

FINAL REPORT

Volume 1 of 2
(Text, Figures 1-2, Tables 1-15 and Appendix A - Tables A1-A12)

STUDY TITLE

A 90-DAY FEEDING STUDY IN RATS WITH
PROCESSED MEAL FROM MON 87769 SOYBEANS

STUDY NUMBER

WIL-50333

DATA REQUIREMENT

OECD Guideline, Section 408

STUDY DIRECTOR

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STUDY COMPLETION DATE

23 December 2008

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SPONSOR STUDY NUMBER

WI-2007-068

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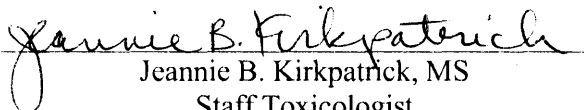
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STATEMENT OF COMPLIANCE

This study, designated WIL-50333, was conducted in compliance with the U.S. Environmental Protection Agency (EPA) Good Laboratory Practice (GLP) Standards (40 CFR 160); the standard operating procedures of WIL Research Laboratories, LLC, and the protocol as approved by the Sponsor, with the following exceptions. Formulation of the test diets was performed by Purina Mills International, LLC (PMI) and the preparation performed by TestDiet, a unit of PMI which is not a GLP facility; therefore, diet preparation was not conducted according to Good Laboratory Practice (GLP) standards. However, diet preparation was conducted under the guidance of a Quality Control professional under contract to Monsanto Company, and TestDiet is an ISO 9002-certified facility that has been periodically inspected by the Monsanto Quality Assurance Unit. Stability of the test and control substances, and stability, homogeneity and concentration in the diets were not verified analytically because no practical method is currently available to determine the homogeneity, stability or concentration of the test substance in formulated diets. The diets were formulated according to the specifications for PMI Certified Rodent LabDiet® #5002 and are considered by PMI to be nutritionally stable for at least six months. The in-life portion of the rat feeding study was completed within six months of diet preparation. These exceptions had no effect on the integrity or quality of the study.


Jeannie B. Kirkpatrick, MS
Staff Toxicologist
Study Director

23 December 2008
Date

Sponsor/Submitter

Date

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WIL-50333
Monsanto Company

MON 87769
WI-2007-068

FLAGGING STATEMENT

I have applied the criteria of 40 CFR 158.34 for flagging studies for potential adverse effects to the results of the attached study. This study neither meets nor exceeds any of the applicable criteria.

Sponsor Representative

Date

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

NOTES TO REVIEWER

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1. SUMMARY

Monsanto Company has developed biotechnology-derived soybean MON 87769 that produces stearidonic acid (SDA). Production of SDA in soybean seeds was achieved through the introduction of genes encoding the production of *Neurospora crassa* delta-15 desaturase (NcΔ15D) and *Primula juliae* delta-6 desaturase (PjΔ6D) proteins. The objective of this study was to evaluate the potential health effects of processed soybean meal from MON 87769. In this study, processed soybean meal from MON 87769 was fed to rats for at least 90 days.

The study included three groups of Sprague-Dawley (CrI:CD[®][SD]) rats with each group consisting of 20 males and 20 females. The test diets (fed to Groups 2 and 3) were formulated to contain the test soybean meal (from MON 87769) at approximately 5% (w/w) and 15% (w/w). The Group 2 (5% test) diet also contained 10% (w/w) of soybean meal from the control substance, A3525, to bring the total amount of soybean meal to 15% (w/w). A concurrent control group (Group 1) received soybean meal derived from the conventional control, A3525, formulated into the diet at approximately 15% (w/w). All diets were formulated according to the specifications for Purina Mills International (PMI), Inc. Certified Rodent LabDiet #5002 and were provided ad libitum to the rats for a minimum of 90 days.

All animals were observed twice daily for mortality and moribundity. Clinical examinations were performed daily, and detailed physical examinations were performed weekly. Individual body weights and food consumption were recorded weekly. Clinical pathology evaluations (hematology, coagulation, serum chemistry and urinalysis) were performed on 10 animals/sex/group on the day of the scheduled necropsy (study week 13). Complete necropsies were conducted on all animals, and selected organs were weighed at the scheduled necropsy. Selected tissues were examined microscopically from all animals fed diets containing 15% A3525 control or 15% MON 87769 meal.

[®] CrI:CD (SD) is a registered trademark of Charles River Laboratories.

In the 5% MON 87769 group (Group 2), one female was found dead on study day 60. The cause of death was considered to be incidental and unrelated to test substance administration. All other animals survived to the scheduled necropsy. There were no test substance-related clinical observations. There were no test substance-related adverse effects on body weights, food consumption or organ weights. There were no test substance-related adverse effects on clinical pathology parameters. There were no adverse test substance-related macroscopic or microscopic findings.

In conclusion, administration of processed soybean meal from MON 87769 to rats for at least 90 consecutive days at concentrations up to 15% (w/w) in the diet (equivalent to 10,915 mg/kg body weight/day for males and 12,597 mg/kg body weight/day for females) had no adverse effects on the growth or health of Sprague-Dawley rats.

2. INTRODUCTION

2.1. GENERAL STUDY INFORMATION

This report presents the data from “A 90-Day Feeding Study in Rats with Processed Meal from MON 87769 Soybeans”. Due to software spacing constraints, the study title appears as “A 90-Day Feeding Study in Rats with MON 87769 Soybean Meal” on the report tables.

The following computer protocols were used for data collection during the study:

<u>Computer Protocol</u>	<u>Type of Data Collected</u>
WIL-50333	Main study data
WIL-50333P	Pretest data
WIL-50333U	Unscheduled clinical observations

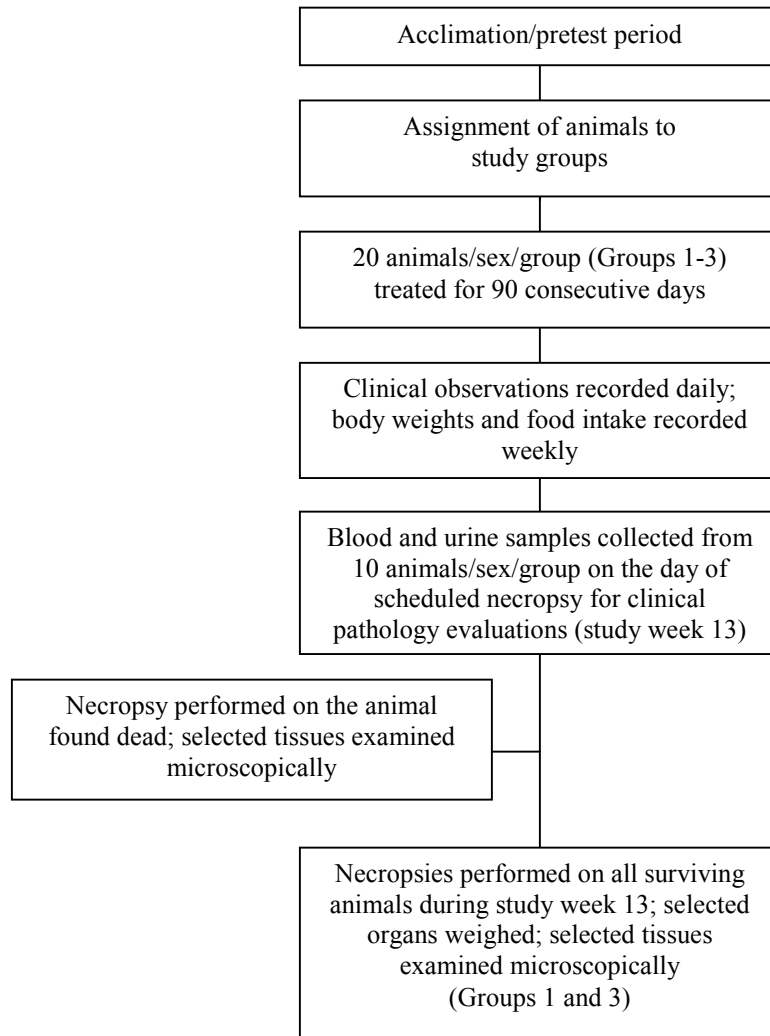
2.2. STUDY OBJECTIVE

The objective of this study was to evaluate the potential health effects of processed meal from MON 87769 when fed to rats for at least 90 consecutive days. MON 87769 is a biotechnology-derived soybean that produces stearidonic acid (SDA), an omega-3 fatty acid. The study design was based on the Organisation for Economic Cooperation and Development (OECD) Guidelines for Testing of Chemicals, Health Effects Test Guidelines, Section 408 (1998).

2.3. KEY STUDY DATES

<u>Date(s)</u>	<u>Event(s)</u>
7 August 2007.....	Study initiation date (protocol signed by study director)
18 September 2007	Animal receipt (experimental starting date)
2 October 2007	Assignment to study groups
4 October 2007	Initiation of diet administration; study week 0 (experimental start date)
4 January 2008.....	Scheduled necropsy (study week 13)
10 March 2008.....	Experimental termination (completion) date (last histopathological examination)

3. STUDY DESIGN



4. EXPERIMENTAL PROCEDURES - MATERIALS AND METHODS

4.1. TEST AND CONTROL SUBSTANCES AND DIET PREPARATIONS

4.1.1. TEST SUBSTANCE IDENTIFICATION

The test substance was processed meal from MON 87769, a biotechnology-derived soybean that produces SDA, an omega-3 fatty acid. In this study, meal from MON 87769 was shipped on 17 August 2007, from Monsanto Company, St. Louis, Missouri, to TestDiet, Richmond, Indiana, for formulation of diets as follows:

<u>Identification</u>	<u>Quantity Shipped</u>
MON 87769 Lot no. GLP-0604-17267-S Sample ID: 07PP8328-0002	2 Bags

The characterization of the test substance, meal from MON 87769, was the responsibility of the sponsor. Reserve samples of MON 87769 meal were collected at TestDiet and were returned to the sponsor for archiving. A Certificate of Analysis (COA) for MON 87769 meal was provided by the sponsor and is presented in Appendix B. The test substance was stored under ambient conditions at TestDiet prior to diet preparation.

4.1.2. CONTROL SUBSTANCE IDENTIFICATION

The control substance was processed meal from conventional soybean, A3525. A3525 has a comparable genetic background to the test substance and does not contain the stearidonic acid (SDA) trait. Meal from the control substance was shipped on 17 August 2007, from Monsanto Company, St. Louis, Missouri, to TestDiet, Richmond, Indiana, for formulation of diets as follows:

<u>Identification</u>	<u>Quantity Shipped</u>
A3525 Conventional Control Lot no.: GLP-0604-17278-S Sample ID: 07PP8328-00003	6 Bags ¹

The characterization of the control substance, A3525 meal, was the responsibility of the sponsor. Reserve samples of the control meal were collected at TestDiet and returned to the sponsor for archiving. A Certificate of Analysis was provided by the sponsor and is presented in Appendix B. The control substance was stored under ambient conditions at TestDiet prior to diet preparation.

4.1.3. DIET PREPARATION

Information on the composition of the test substance was generated by Covance Laboratories, Madison, Wisconsin, and provided to Dorrance Haught, PhD, Technical Director of Purina Mills Lab/Zoo, to prepare the diet formulas according to the specifications for PMI Certified Rodent LabDiet #5002, which normally contains 15% (w/w) soybean meal. PMI Certified Rodent LabDiet #5002 is a standard feed commonly utilized in laboratory rodent toxicity studies conducted in the United States. All of the ingredients supplied by TestDiet for the diets were from the same lots/batches.

The test and control diets were prepared by TestDiet. Two diets (for Groups 2 and 3) were prepared by TestDiet on 21 August 2007, to contain MON 87769 meal at concentrations of approximately 5% and 15% (w/w), respectively, of the total diet. The Group 2 (5% test) diet was supplemented with the control substance (A3525) at approximately 10% (w/w) to provide a consistent 15% (w/w) concentration of soybean meal.

¹ Diets were also prepared from this shipment for a concurrent control study conducted at WIL Research, WIL-50341, reported separately

The test and control diets were shipped by TestDiet to WIL Research Laboratories, LLC, ready for feeding. The diets were dispensed approximately weekly from the shipping containers received from TestDiet and were placed in properly labeled storage bags. At the study termination, any remaining diets containing the test and control substance were destroyed by WIL Research Laboratories, LLC, as authorized by the study monitor.

4.1.4. TEST DIET FORMULATION IDENTIFICATION

The test diets were received from TestDiet as follows:

<u>Identification</u>	<u>Quantity Received</u>	<u>Physical Description</u>	<u>Date of Receipt</u>
MON 87769 5% soybean meal Exp. Date: 20 January 2008 [WIL log No. 7638A]	10 Boxes Total gross weight: 213,096 g	Light brown, coarse powder with dark brown specks	23 August 2007
MON87769 15% soybean meal Exp. Date: 20 January 2008 [WIL log No. 7639A]	6 Boxes Total gross weight: 126,706 g	Light brown, coarse powder with dark brown specks	23 August 2007 (Boxes 4 of 10 through 9 of 10)
MON87769 15% soybean meal Exp. Date: 20 January 2008 [WIL log No. 7639B]	4 Boxes Total gross weight: 86,623 g	Light brown, coarse powder with dark brown specks	24 August 2007 (Boxes 1, 2, 3 and 10 of 10)

The diets were stored at room temperature and were considered stable under this condition for up to six months (see section 4.1.6). Reserve samples of each test diet (approximately 100 g) were collected on 2 October 2007 and stored frozen (approximately -20°C) in the Archives of WIL Research Laboratories, LLC.

Four boxes of the 15% MON 87769 meal diet were inadvertently delivered to the wrong place by the shipper. Only one box was damaged (opened) in this error and it was excluded from use on the study (see detailed explanation in Section 11). All boxes were examined and only intact boxes were used.

4.1.5. CONTROL DIET FORMULATION IDENTIFICATION

The control diet was received from TestDiet on 23 August 2007, as follows:

<u>Identification</u>	<u>Quantity Received</u>	<u>Physical Description</u>
A3525 Control 50333 Exp. Date: 20 January 2008 [WIL log No. 7637A]	10 Boxes Total gross weight: 212,910 g	Light brown, coarse powder with dark brown specks

The control diet was stored at room temperature and was considered stable under this condition for up to six months (see section 4.1.6). A reserved sample of the control diet (approximately 100 g) was collected on 2 October 2007, and stored frozen (approximately -20°C) in the Archives of WIL Research Laboratories, LLC.

4.1.6. SAMPLING AND ANALYSES

There is currently no practical method available to determine the stability of the test and control substances or the homogeneity and stability of the test or control substance in the formulated diets. The supplier of the formulated test diets (TestDiet) has information on file that demonstrates adequate homogeneity is achieved by the diet mixing equipment and procedures used for preparing the diets. A copy of this information has been provided to WIL Research Laboratories, LLC and is included in the study file. PMI has provided information indicating that the PMI Certified Rodent LabDiet #5002 diet is stable for at least six months from the time of preparation. The test and control diets were formulated according to the specifications for the certified diets and were considered stable when stored at ambient temperatures for up to six months. The in-life portion of this study was completed within six months of preparation of the diets.

The identity of the test and control substances as well as diets was confirmed throughout the preparation, shipping and analysis process by chain-of-custody documentation. Copies of the verification of identity (presence or absence of MON 87769 event) for the test and control source material (seed) prior to processing into meal were provided by the sponsor and are maintained in the study records. There is currently no practical method

available to confirm the concentration of the test or control substance in the formulated diets. Copies of the gravimetric information from the diet mixing procedures documenting that the test and/or control substance was added to the formulated diets at the targeted concentration of 5% (w/w) test, supplemented with 10% (w/w) control, or 15% (w/w) test, as appropriate, were provided to WIL Research Laboratories, LLC and are maintained in the study records.

After formulation, samples of each diet were shipped from TestDiet to Covance Laboratories (Madison, WI) for analysis of nutritional components and environmental contaminants to confirm whether the diets met the specifications for PMI Certified Rodent LabDiet #5002. Analytes included proximates: moisture, protein, fat and ash; crude fiber; minerals: calcium and phosphorus; heavy metals: arsenic, cadmium, lead, mercury, selenium; aflatoxins; and a pesticide screen. The results of these analyses are presented in Appendix C and a review of the analyses by Dorrance Haught, PhD, Technical Director of Purina Mills Lab/Zoo, is presented in Appendix D.

4.2. TEST SYSTEM

Sprague-Dawley Crl:CD(SD) rats from Charles River Laboratories, Inc., Raleigh, North Carolina were used as the test system on this study. This species and strain of animal is recognized as appropriate for subchronic toxicity studies. The Sprague-Dawley rat was used because it is a widely used strain for which significant historical control data are available. The animals were approximately six weeks old at the initiation of diet administration.

4.3. ORGANIZATION OF TEST GROUPS, DIET/DOSE LEVELS AND TREATMENT REGIMEN

The control and test diets were presented to the rats ad libitum for at least 90 days, through the day prior to the scheduled necropsy. Study week 0 was the first week of treatment, and study day 0 was the first day of treatment. Study day 91 was the first day of necropsy. The following table presents the study group assignment:

<u>Group Number</u>	<u>Treatment</u>	MON 87769	A3525 Control	Number of Animals	
		<u>Meal (% in Diet)</u>	<u>Meal (% in Diet)</u>	<u>Males</u>	<u>Females</u>
1	A3525 Control	0	15	20	20
2	MON 87769	5	10	20	20
3	MON 87769	15	0	20	20

The selected route of administration for this study was oral (diet) ingestion, since this route is an acceptable and standard method for administering test substance per OECD Guideline, Section 408 (1998). The number of animals selected for this study was considered appropriate to yield scientifically meaningful food and feed safety data.

4.4. ANIMAL RECEIPT AND ACCLIMATION/PRETEST PERIOD

Seventy male and 70 female Crl:CD(SD) rats were received in good health on 18 September 2007, from Charles River Laboratories, Inc., Raleigh, North Carolina. The animals were approximately 30 days old at receipt. Each animal was examined by a qualified technician on the day of receipt and weighed 3 days later. Each animal was uniquely identified by a tail tattoo displaying the permanent identification number. All animals were housed for a 15-day acclimation/pretest period. Individual cage cards were affixed to each cage and displayed the animal number, sex, group number and study number. During this period, each animal was observed twice daily for mortality and changes in general appearance or behavior.

Pretest data collection began on 26 September 2007. Individual body weights were recorded and detailed physical examinations were performed periodically during the pretest period. Food consumption data were also recorded for pretest animals prior to the initiation of dose administration. Pretest clinical observations are presented in Appendix E.

4.5. ANIMAL HOUSING

Upon arrival, all animals were housed 2 to 3 per cage by sex for approximately 2-4 days. Thereafter, all animals were housed individually in clean, stainless steel, wire-mesh cages

suspended above cage-board. Animals were maintained in accordance with the *Guide for the Care and Use of Laboratory Animals* (National Research Council, 1996). Racks were rotated within the animal room at least once every two weeks during the study to change the physical location from one area of the room to another to ensure similarly varied environmental exposure for all animals. The animal facilities at WIL Research Laboratories, LLC are accredited by the Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC International).

4.6. DIET, DRINKING WATER AND MAINTENANCE

The basal diet fed ad libitum during the acclimation period, PMI Nutrition International, LLC, Certified Rodent LabDiet #5002, is a certified feed with appropriate analyses performed by the manufacturer and provided to WIL Research Laboratories, LLC. The test and control diets, formulated by TestDiet, were provided ad libitum throughout the study, except during the overnight period of fasting prior to blood collection when food, but not water, was withheld. Reverse osmosis-treated (on-site) drinking water, delivered by an automatic watering system, was provided ad libitum throughout the study. Municipal water supplying the facility was sampled for contaminants according to WIL standard operating procedures. The results of the diet and water analyses are maintained at WIL Research Laboratories, LLC. No contaminants were present in animal feed or water at concentrations sufficient to interfere with the objectives of this study.

4.7. ENVIRONMENTAL CONDITIONS

All animals were housed throughout the acclimation period and during the study in an environmentally controlled room. The room temperature and humidity controls were set to maintain daily averages of $71 \pm 5^{\circ}\text{F}$ ($22 \pm 3^{\circ}\text{C}$) and $50 \pm 20\%$ relative humidity. Room temperature and relative humidity were controlled and monitored using the Metasys[®] DDC Electronic Environmental control system. These data were recorded approximately hourly and are summarized in Appendix F. Actual mean daily

[®] Metasys is a registered trademark of Johnson Controls, Inc.

temperature ranged from 70.2°F to 70.8°F (21.2°C to 21.6°C) and mean daily relative humidity ranged from 41.6% to 55.4% during the study. Fluorescent lighting provided illumination for a 12-hour light (0600 hours to 1800 hours)/12-hour dark photoperiod. The 12-hour light/12-hour dark photoperiod was interrupted as necessary to allow for the performance of protocol-specified activities. Air handling units were set to provide a minimum of 10 fresh air changes per hour.

4.8. ASSIGNMENT OF ANIMALS TO TREATMENT GROUPS

On 2 October 2007 (2 days prior to the initiation of diet/dose administration), all available rats were weighed and examined in detail for physical abnormalities. These data were collected using the WIL Toxicology Data Management System (WTDMS™) and reviewed by the study director. The animals judged suitable for assignment to the study were selected for use in a computerized randomization procedure. A printout containing the animal numbers, corresponding body weights and individual group assignments was generated based on body weight stratification in a block design. The animals were then arranged into groups according to the printout. Each group (Groups 1-3) consisted of 20 males and 20 females. Individual body weights ranged from 181 g to 230 g for males and from 139 g to 176 g for females. Group mean body weights at study initiation were not statistically different by sex at the 5% probability level.

5. PARAMETERS EVALUATED

5.1. CLINICAL OBSERVATIONS AND SURVIVAL

All animals were observed twice daily, once in the morning and once in the afternoon, for mortality and moribundity.

Clinical examinations were performed daily. All significant findings were recorded. Observations included, but were not limited to, changes in the skin, fur, eyes and mucous membranes; respiratory, circulatory, autonomic and central nervous systems function; somatomotor activity and behavior patterns. Daily clinical examinations were not required on days that detailed physical examinations were performed. Detailed physical examinations, including removal from home cage to a standard arena for observation for changes in gait, posture or clonic or tonic movements, stereotypies (e.g., excessive grooming, repetitive circling), bizarre behavior (e.g., self-mutilation, walking backwards) and permanent or semi-permanent signs, were conducted on all animals weekly, beginning approximately one week prior to test and control substance administration and prior to the scheduled necropsy. A separate computer protocol was used to record any observations noted outside of the above-specified intervals. These unscheduled clinical observations are presented in Appendix G.

5.2. BODY WEIGHTS

Individual body weights were recorded at least weekly, beginning at least 2 weeks prior to test substance administration (study week -3). Mean body weights and mean cumulative body weight changes were calculated for each study week. Final body weights (fasted) were recorded prior to the scheduled necropsy.

5.3. FOOD AND TEST SUBSTANCE CONSUMPTION

Individual food consumption was recorded for one week during pretest (study week -2 to -1) and weekly during the dosing period. The study period identified as week -1 to 0 was a 3-day interval between randomization and initiation of the test and control diet administration. Food intake was calculated as g/animal/day for the corresponding body

weight intervals. When food consumption could not be measured for a given interval (due to spillage, weighing error, obvious erroneous value, etc.), the appropriate interval was footnoted as "NA" (Not Applicable) on the individual tables.

The mean amounts of test substance consumed (mg/kg/day) by each sex of each dietary group was calculated from the mean food consumed (g/kg of body weight/day) and the appropriate target concentration of test substance in the food (mg/kg of diet).

5.4. CLINICAL PATHOLOGY

Blood and urine samples for clinical pathology evaluations (hematology, serum chemistry, coagulation and urinalysis) were collected from 10 animals/sex at the scheduled necropsy (study week 13). The animals were fasted overnight prior to blood collection while in metabolism cages for urine collection. Blood was collected for hematology and serum chemistry evaluation via the retro-orbital sinus of animals anesthetized by inhalation of isoflurane. Blood for coagulation parameters was collected at the time of euthanasia via the vena cava of animals euthanized by inhalation of carbon dioxide. Blood was collected into tubes containing EDTA (hematology), sodium citrate (clotting determinations) or no anticoagulant (serum chemistry). Clinical pathology methods, procedures and references are presented in Appendix H. Interpretation of the clinical pathology data was performed by Ellen L. Ziemer, DVM, MS, PhD, DACVIM, DACVP (Appendix I). The following parameters were evaluated:

5.4.1. HEMATOLOGY AND COAGULATION

Total leukocyte count (White Cells)	Differential leukocyte count -
Erythrocyte count (Red Cells)	Percent and absolute
Hemoglobin	-Neutrophil
Hematocrit	-Lymphocyte
Mean corpuscular volume (MCV)	-Monocyte
Mean corpuscular hemoglobin (MCH)	-Eosinophil
Mean corpuscular hemoglobin concentration (MCHC)	-Basophil
Platelet count (Platelet)	-Large unstained cell
Prothrombin time (ProTime)	Platelet estimate ^a
Activated partial thromboplastin time (APTT)	Red cell morphology
Reticulocyte count	(RBC Morphology) ^a
Percent (Reticulocyte)	
Absolute (Retic Absolute)	

() - Designates abbreviation in tables

^a - Presented on individual tables if a manual differential was performed, and the manual data were accepted and reported instead of the automated differential data

5.4.2. SERUM CHEMISTRY

Albumin	Aspartate aminotransferase
Total protein	(AspartatTransfer)
Globulin [by calculation]	Glucose
Albumin/globulin ratio (A/G Ratio)	Total cholesterol (Cholesterol)
[by calculation]	Calcium
Total bilirubin (Total Bili)	Chloride
Urea nitrogen	Phosphorus
Creatinine	Potassium
Alkaline phosphatase	Sodium
(AlkalinePhos'tse)	Triglycerides (Triglyceride)
Alanine aminotransferase	
(Alanine Transfer)	

() - Designates abbreviation in tables

5.4.3. URINALYSIS

Specific gravity (SG)	Ketones (KET)
pH	Bilirubin (BIL)
Urobilinogen (URO)	Occult blood (BLD)
Total volume (TVOL)	Leukocytes (LEU)
Color (COL)	Nitrites (NIT)
Clarity (CLA)	Microscopy of sediment
Protein (PRO)	[Tabular abbreviations appear
Glucose (GLU)	on individual tables]

() - Designates abbreviation in tables

5.5. ANATOMIC PATHOLOGY

5.5.1. MACROSCOPIC EXAMINATION

A complete necropsy was conducted on all animals. Animals were euthanized by carbon dioxide inhalation and exsanguinated. The necropsies included, but were not limited to, examination of the external surface, all orifices, and the cranial, thoracic, abdominal and pelvic cavities, including viscera. Clinical findings that were confirmed macroscopically were designated CEO (correlates with externally observed) on the individual macroscopic data tables. The following tissues and organs were collected and placed in 10% neutral-buffered formalin (except as noted):

Adrenals (2)*	Lymph nodes
Aorta	Mandibular
Bone with marrow	Mesenteric*
Sternum	Nasal cavity
Bone marrow smear ^a	Ovaries with oviducts (2) ^{d*}
Brain	Pancreas*
Cerebrum 2 levels*	Peripheral nerve (sciatic)*
Cerebellum with medulla/pons*	Pharynx
Cervix	Pituitary
Epididymides (2) ^b *	Prostate
Eyes with optic nerve (2) ^c	Salivary glands [mandibular (2)]
Gastrointestinal tract	Seminal vesicles (2)
Esophagus	Skeletal muscle (rectus femoris)
Stomach*	Skin (with mammary gland) ^e
Duodenum*	Spinal cord (cervical, thoracic, lumbar)*
Jejunum*	Spleen*
Ileum*	Testes (2) ^b *
Cecum	Thymus*
Colon*	Thyroid [with parathyroids, if present (2)] ^{d*}
Rectum*	Trachea
Heart*	Urinary bladder
Kidneys (2)*	Uterus*
Larynx	Vagina
Liver (sections of 2 lobes)*	Gross lesions (when possible)*
Lungs (including bronchi, fixed by inflation with fixative)	

- ^a - Not taken from animals found dead. Not placed in formalin; to be examined only if scientifically warranted
- ^b - Testis and epididymis were fixed in Bouin's solution
- ^c - Fixed in Davidson's solution
- ^d - Parathyroid and oviducts were examined microscopically if in the plane of section and in all cases where a gross lesion of the parathyroid or oviduct was present.
- ^e - For females; a corresponding section of skin was taken from the same anatomic area for males.
- * - Examine tissues from high dose test and control rats and all animals that died or were euthanized in extremis.

5.5.2. ORGAN WEIGHTS

The following organs were weighed from all animals at the scheduled necropsy:

Adrenals	Spleen
Brain	Testes
Epididymides	Thymus
Heart	Thyroid with parathyroids*
Kidneys	Uterus
Liver	
Ovaries with oviducts	

Paired organs were weighed together. Designated organs (*) were weighed after fixation. Organ-to-final-body-weight and organ-to-brain-weight ratios were calculated.

5.5.3. SLIDE PREPARATION AND MICROSCOPIC EXAMINATION

After fixation, protocol-specified tissues were trimmed according to standard operating procedures and the protocol. Trimmed tissues were processed into paraffin blocks, sectioned at 4 to 8 microns, mounted on glass microscope slides and stained with hematoxylin and eosin.

Microscopic examination was performed on all tissues marked with an asterisk (*) listed in Section 5.5.1. from all animals found dead and all animals in the control (15% A3525 meal) and high-dose test (15% MON 87769 meal) groups at the scheduled necropsy. Missing tissues, if any, were identified as not found at necropsy, lost at necropsy, lost during processing or other designations as appropriate. Tissues may appear on the report tables as not examined due to the tissue not being in the plane of section, not present at trimming, etc. Microscopic examination was performed by Gopakumar Gopalakrishnan, BVSc, MS, Study Pathologist, WIL Research Laboratories, LLC (Appendix I).

An independent peer review was performed by Daryl Thake, DVM, DACVP, Midwest ToxPath Sciences, Inc. (Appendix J). The review consisted of examination of all

prepared slides from 10% of animals randomly selected from the control and high-dose test (15% MON 87769) group males and females.

5.6. STATISTICAL METHODS

All statistical tests were performed using the WIL toxicology Data Management System (WTDMS™). Analyses were conducted using two-tailed tests (except as noted otherwise) for minimum significance levels of 5% and 1%, comparing each test substance-treated group to the control group by sex. These are presented in the text as “ $p < 0.05$ ” or “ $p < 0.01$ ” and in the tables as significant differences from control group “at 0.05” or “at 0.01”. Each mean was presented with the standard deviation (S.D.), standard error (S.E.) and the number of animals (N) used to calculate the mean. Due to the different rounding conventions inherent in the types of software used, the means and standard deviations on the summary and individual tables may differ by ± 1 in the last significant figure.

Body weight, cumulative body weight change, food consumption, clinical pathology and organ weight data were subjected to a parametric one-way analysis of variance (ANOVA) (Snedecor and Cochran, 1980) to determine intergroup differences. If the ANOVA revealed statistically significant ($p < 0.05$) intergroup variance, Dunnett's test (Dunnett, 1964) was used to compare the test substance-treated groups to the control group. Microscopic findings were compared using Fisher's exact test (Steel and Torrie, 1980).

5.7. USE OF WIL HISTORICAL CONTROL DATA

The potential biological relevance of some of the statistically significant differences observed in this study between test-article treated groups and concurrent controls were evaluated in light of the normal biological variation that exists for a given parameter in experimental control animals of the same species, strain, age and gender. Such evaluations are common practice when reviewing data from toxicological studies and facilitate the determination of whether statistically significant differences are indicative

of treatment-related effects or if they are common occurrences that may originate from spontaneous lesion or incidental findings. The range of biological variation was obtained from historical control data collected from control animals in recent subchronic studies conducted at WIL Research Laboratories, LLC using CrI:CD(SD) rats of similar age. Relevant clinical pathology and microscopic historical control data are presented in Appendix K and L, respectively.

5.8. DATA RETENTION

The sponsor has title to all documentation records, raw data, specimens or other work product generated during the performance of the study. All work product generated by WIL Research Laboratories, LLC, including raw paper data and specimens, are retained in the Archives at WIL Research Laboratories, LLC, as specified in the study protocol. These data include copies of chain-of-custody documentation and diet preparation records from TestDiet, Richmond, Indiana.

All data relating to or generated by the diet analyses conducted at Covance Laboratories will be stored in the archives of Covance Laboratories, Madison, Wisconsin in accordance with the EPA Good Laboratory Practice Standards, 40 CFR Part 160.

Raw data associated with diet formulation are maintained at TestDiet. Copies of the diet preparation records were provided to the study director and are maintained in the study records.

Reserve samples of the test and control diet formulations, pertinent electronic storage media and the original final report are retained in the Archives at WIL Research Laboratories, LLC, in compliance with regulatory requirements.

6. RESULTS AND DISCUSSION

6.1. CHARACTERIZATION OF TEST AND CONTROL SUBSTANCE

Data: Appendix B

The Certificates of Analysis provided by the sponsor in Appendix B contain the compositional analyses of the control and test substances.

6.2. ANALYSES OF DIET

6.2.1. COMPOSITION CONFIRMATION

Data: Appendices C, D

The results of the diet analyses for composition and potential contaminants performed by Covance Laboratories are presented in Appendix C. These data were reviewed by Dorrance Haught, PhD, animal nutritionist and Technical Director of Lab/Zoo at Purina Mills, LLC. The results of these diet compositional analyses indicated that the diets were comparable to the specifications for PMI Certified Rodent LabDiet # 5002 (Appendix D) with two minor exceptions noted by Dr. Haught, protein levels of 19.4% to 20.9% that fell slightly below the expected minimum of 20% and selenium as high as 0.525 ppm that slightly exceeded the 0.50 ppm PMI guideline. These exceptions were not considered to have any meaningful impact on the study. These records, along with the chain-of-custody records, provide documentation that the diets were appropriately prepared.

6.3. CLINICAL OBSERVATIONS AND SURVIVAL

Summary Data: Tables 1, 2, 3

Individual Data: Tables A1, A2, A3

Unscheduled Clinical Observations: Appendix G

One female rat (no. 6487) in the 5% test diet group (Group 2) was found dead on study day 60. The cause of this animal's death, undetermined after necropsy and microscopic evaluation of selected tissues, however, was considered an incidental event unrelated to

administration of the test substance in the absence of any meaningful gross or microscopic tissue alterations.

There were no test substance-related clinical observations. All clinical findings in the test substance-treated groups noted were common findings for laboratory rats of this age and strain, were not observed in a dose-related manner, or were limited to single rats.

6.4. BODY WEIGHTS

Summary Data: Tables 4, 5; Figures 1, 2

Individual Data: Tables A4, A5

Body weights were not adversely affected by test substance administration. There were no statistically significant differences when the control and test substance-treated groups were compared. Figures 1 (male) and 2 (females) show that the mean body weights over the course of the study were similar for all groups.

6.5. FOOD AND TEST SUBSTANCE CONSUMPTION

Summary Data: Tables 6, 7

Individual Data: Tables A6, A7

Food consumption was not adversely affected by test substance administration. There were statistically significant increases in food consumption in the 15% test soybean meal group males from weeks 3 to 4, 4 to 5, 9 to 10 and 10 to 11 when compared to the control group. These differences were sporadic, did not correlate with body weights and were not observed in females. Therefore, these higher values were considered to be unrelated to administration of the test substance.

The average consumption of test substance (mg/kg of body weight/day), presented in Tables 7 and A7, was based on nominal dietary levels of MON 87769 meal (mg/kg of diet) and are presented in Text Table 1.

Text Table 1: Average MON 87769 Meal Consumption (mg/kg/day)

Nominal Dietary Level	Average MON 87769 Meal Consumption (mg/kg of body weight/day)	
	Males	Females
5% MON 87769	3,555	4,222
15% MON 87769	10,915	12,597

6.6. CLINICAL PATHOLOGY

6.6.1. HEMATOLOGY AND COAGULATION

Summary Data: Table 8

Individual Data: Table A8

Pathology Report: Appendix I

There were no test substance-related alterations or statistically significant findings in hematology and coagulation parameters.

6.6.2. SERUM CHEMISTRY

Summary Data: Table 9

Individual Data: Table A9

Pathology Report: Appendix I

There were no test substance-related alterations or statistically significant findings in serum chemistry parameters.

6.6.3. URINALYSIS

Summary Data: Table 10

Individual Data: Tables A10, A11

Pathology Report: Appendix I

There were no test substance-related alterations in urinalysis parameters. A statistically significant increase in urobilinogen was observed in the 5% test diet group females compared with the control group. This group mean difference was not considered test

substance-related because the increase did not show a dose-related response and may have been affected by low urine volume in several animals.

6.7. ANATOMIC PATHOLOGY

6.7.1. MACROSCOPIC EXAMINATION

Summary Data: Tables 11, 12

Individual Data: Tables A12, A13

Pathology Report: Appendix I

Review of the gross necropsy findings revealed no observations that were considered to be associated with administration of the test substance. Gross observation of red stomach content in two female rats of the 15% test diet group was unconfirmed in the absence of correlating histologic findings and therefore considered unrelated to test substance administration.

6.7.2. ORGAN WEIGHTS

Summary Data: Table 13

Individual Data: Tables A14, A15, A16

Pathology Report: Appendix I

There were no test substance-related alterations in final body weight or organ weights.

6.7.3. MICROSCOPIC EXAMINATION

Summary Data: Tables 14, 15

Individual Data: Tables A12, A13

Pathology Report: Appendix I

There were no histologic changes considered attributable to or of uncertain relationship to administration of the test substance.

Minimal hyperplasia of pituitary pars distalis was observed in one female rat of the 15% test diet group. However, this alteration was considered a spontaneous change unrelated

to test substance administration, since rat pituitary is considered insensitive to induction of neoplastic changes with potent genotoxic carcinogens (MacKenzie, et al., 1990) and in the absence of similar alteration in the remaining test substance treated rats.

Although minimal renal papillary mineralization was present in 3/20 female rats treated with the 15% test diet group, this alteration was considered incidental since the incidence rate of this microscopic finding was within WIL historical control reference ranges (up to 20% incidence) in 19-21 week old female Sprague Dawley rats.

There were no test substance-related histologic changes. Observed histologic changes were considered to be incidental findings or related to some aspect of experimental manipulation other than administration of the test substance. There was no test substance-related alteration in the prevalence, severity or histologic character of those incidental tissue alterations.

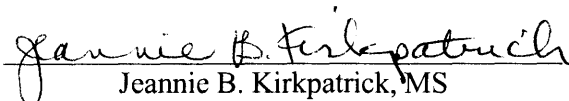
7. CONCLUSIONS

There were no test substance-related clinical observations. There were no test substance-related adverse effects on body weights, food consumption or organ weights. There were no test substance-related adverse effects on clinical pathology parameters. There were no adverse test substance-related macroscopic or microscopic findings.

In conclusion, administration of meal from MON 87769 to rats for at least 90 consecutive days at concentrations up to 15% (w/w) in the diet (equivalent to 10,915 mg/kg body weight/day for males and 12,597 mg/kg body weight/day for females) had no adverse effects on the growth or health of Sprague-Dawley (CrI:CD[SD]) rats.

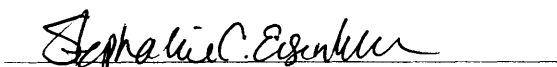
8. KEY STUDY PERSONNEL AND REPORT SUBMISSION

Report Submitted By:


Jeannie B. Kirkpatrick, MS
Staff Toxicologist, Toxicology
Study Director

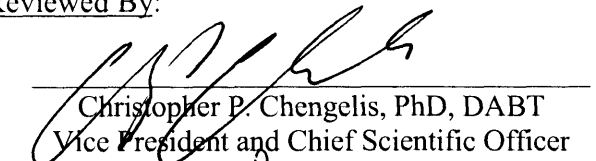
23 December 2008
Date


Report Prepared By:


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Associate Study Analyst

23 Dec 2008
Date

Report Reviewed By:


Christopher P. Chengelis, PhD, DABT
Vice President and Chief Scientific Officer


Misty R. Lee, BA
Group Supervisor, Study Analysis and Reports

23 Dec 2008
Date

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Manager, Gross Pathology and Developmental
Toxicology Laboratory
Senior Operations Manager, Toxicology
Group Manager, Formulations Laboratory
Manager, Histology

Manager, Reporting and Regulatory Technical
Services

9. QUALITY ASSURANCE UNIT STATEMENT

9.1. PHASES INSPECTED

<u>Date(s) of Inspection(s)</u>	<u>Phase Inspected</u>	<u>Date(s) Findings Reported to Study Director</u>	<u>Date(s) Findings Reported to Management</u>	<u>Auditor(s)</u>
02-Oct-2007	Diet Dispense	02-Oct-2007	14-Nov-2007	S.Power / M.Karna
04-Oct-2007	Diet Administration	08-Oct-2007	14-Nov-2007	A.Lowell
11-Oct-2007	Detailed Physicals and Body Weights	11-Oct-2007	14-Nov-2007	L.Stepp
07-Nov-2007	Animal Care and Equipment	07-Nov-2007	18-Dec-2007	S.Power
03-Jan-2008	Urine Collection and Analysis	03-Jan-2008	28-Feb-2008	A.Deppe
03-Jan-2008	Necropsy	03-Jan-2008	28-Feb-2008	A.Deppe
09-Apr-2008	Draft Pathology Report	09-Apr-2008	20-May-2008	P.Brant
06-Apr-2008, 07-Apr-2008, 08-Apr-2008, 09-Apr-2008	Draft Report, excluding Pathology report	09-Apr-2008	20-May-2008	P.Brant
07-Apr-2008, 08-Apr-2008	Study Records (I-1, I-2)	08-Apr-2008	20-May-2008	P.Brant
07-Apr-2008, 08-Apr-2008	Study Records (Rx-1)	08-Apr-2008	20-May-2008	P.Brant
08-Apr-2008	Study Records (C-1)	08-Apr-2008	20-May-2008	P.Brant
08-Apr-2008	Study Records (N-1)	08-Apr-2008	20-May-2008	P.Brant
08-Apr-2008	Study Records (H-1)	08-Apr-2008	20-May-2008	P.Brant
09-Apr-2008	Study Records (P-1)	09-Apr-2008	20-May-2008	P.Brant

This study was inspected in accordance with the U.S. EPA Good Laboratory Practice Standards (40 CFR Part 160), the standard operating procedures of WIL Research Laboratories, LLC and the sponsor's protocol and protocol amendments, with the following exceptions. The data located in Appendix B (Certificate of Analysis) were the responsibility of the sponsor. The data located in Appendices C (Analysis Of Nutritional Components And Environmental Contaminants Of Rodent Diets Containing MON 87769

Soybean Meal), D (Review Of Compositional And Pesticide Analysis Results) and J (Pathology Peer Review Statement) were the responsibility of Covance Laboratories, PMI Inc., and Midwest ToxPath Sciences, Inc., respectively. Quality Assurance findings, derived from the inspections during the conduct of the study and from the inspections of the raw data and draft report, are documented and have been reported to the study director. A status report is submitted to management monthly.

This report accurately reflects the data generated during the study. The methods and procedures used in the study were those specified in the protocol, its amendments and the standard operating procedures of WIL Research Laboratories, LLC.

The raw data, the retention samples and the final report will be stored in the Archives at WIL Research Laboratories, LLC or another location specified by the sponsor.

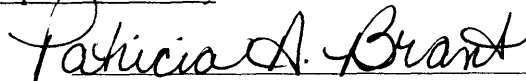
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9.2. APPROVAL

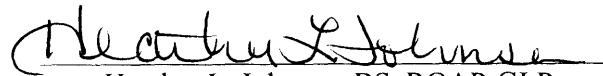
This study was inspected according to the criteria discussed in Section 9.1.

Report Audited By:


Patricia A. Brant, RQAP-GLP
Group Supervisor, Quality Assurance

23 Dec 2008
Date

Report Released By:


Heather L. Johnson, BS, RQAP-GLP
Manager, Quality Assurance

23 Dec 2008
Date

10. REFERENCES

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11. DEVIATION FROM THE PROTOCOL

This study was conducted in accordance with the protocol and protocol amendments, except for the following.

- **Protocol Section 10.1** states that during the acclimation period, each animal will be observed twice daily for changes in general appearance or behavior. On 24 September 2007, the AM check was not performed.

This deviation did not negatively impact the quality or integrity of the data or the outcome of the study.

Although not a deviation from protocol, the following is a deviation from standard procedure and was considered for the potential impact on the outcome of the study prior to study start. It was determined that there was no adverse impact. There was sufficient diet to complete the study.

Boxes 1 of 10, 2 of 10, 3 of 10 and 10 of 10 of diet from Purina TestDiet sent to WIL Research Laboratories were inadvertently delivered to PPG in Crestline, OH by CON-WAY Freight on 23 August 2007. The 4 boxes were shrink-wrapped with buckets of paint that were delivered to PPG. The boxes were intact and dry when received. The shipping clerk opened the cardboard box 10 of 10 (but not the plastic bag inside), and notified WIL Research Laboratories of the location of the boxes. WIL's Environmental, Health and Safety Specialist notified the study director who asked that the boxes be stored inside the warehouse until WIL personnel could retrieve them.

On 24 August 2007, WIL personnel retrieved the boxes from PPG. The temperature and relative humidity of the area where the boxes were retained was recorded (84.9°F and 64.3% RH) and photographs were taken of the boxes and the pallet to which the 4 boxes had been wrapped and the surrounding area. The receiving area was clean, with only the pallet in question and many tall storage shelves holding large plates of glass.

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The outdoor conditions during transport of the boxes to WIL Research Laboratories were 94.3°F and 64.3% RH.

There was no apparent contamination of the contents of the box that was opened, and there was no evidence that any of the contents had been removed. However, following discussion with the study monitor, it was agreed that the contents of the box that had been opened would not be used on study.

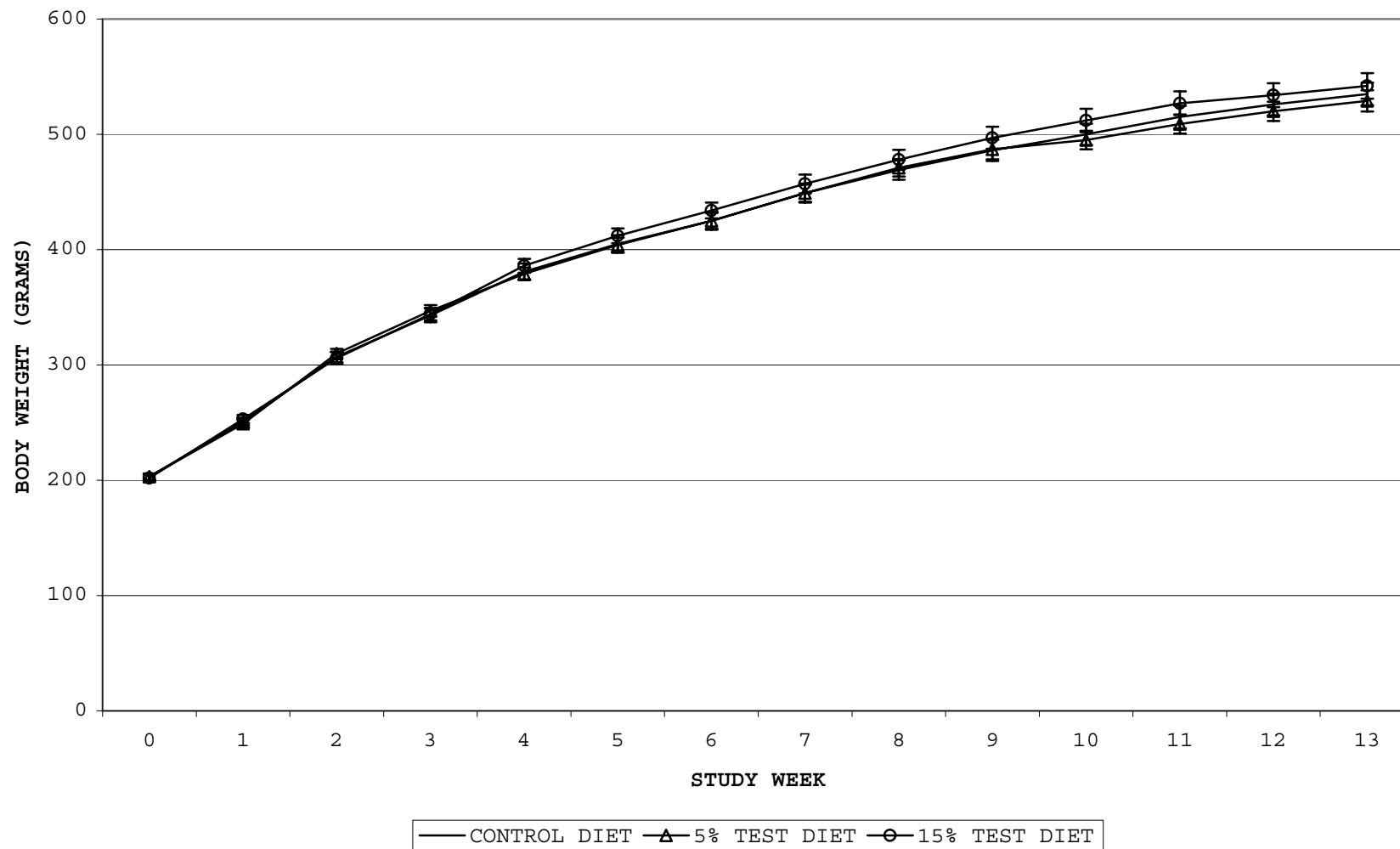
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FIGURES 1 - 2

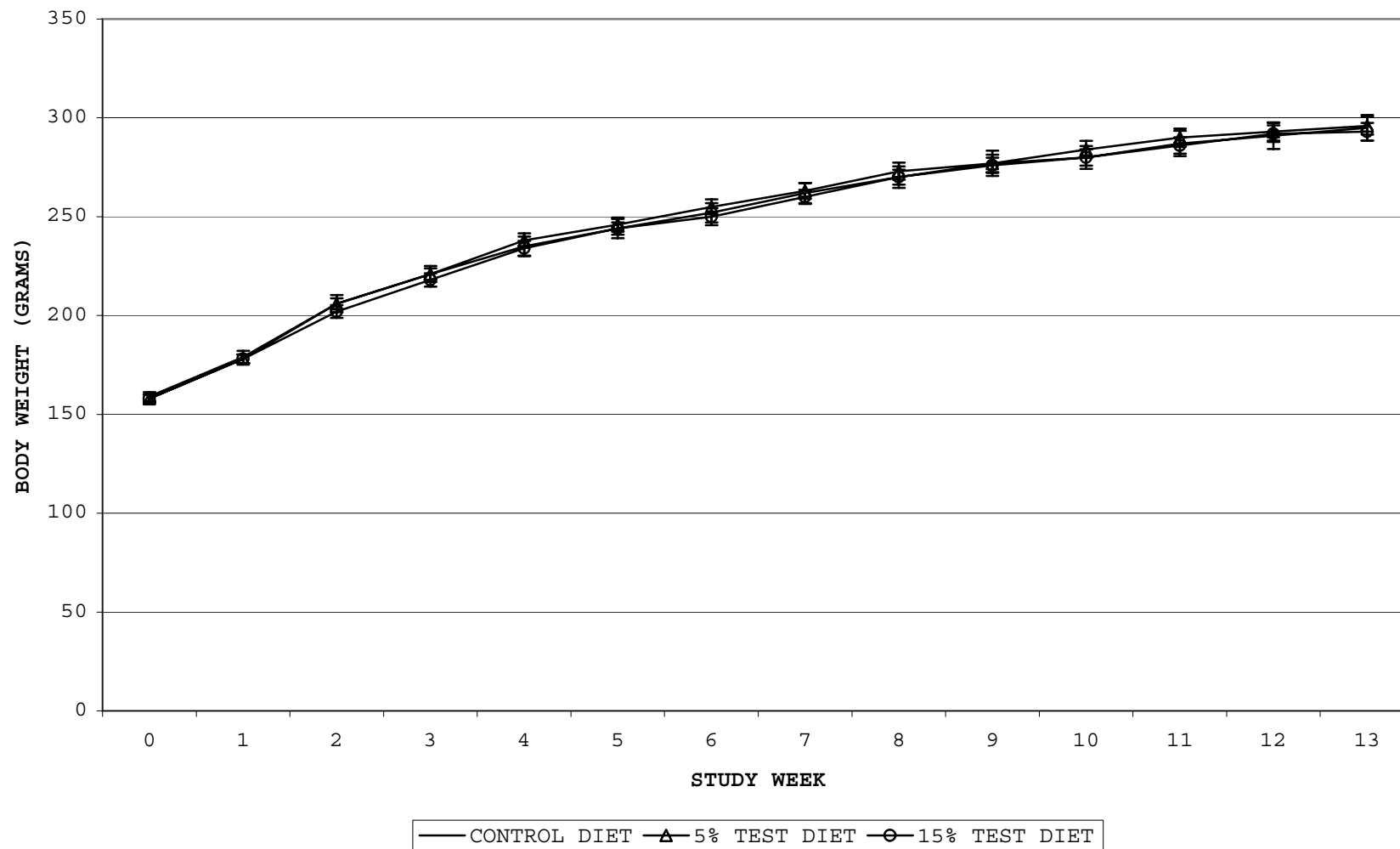
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SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

FIGURE 1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF BODY WEIGHTS - MALES (MEAN +/- SE)



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SPONSOR NO.:WI-2007-068

FIGURE 2
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF BODY WEIGHTS - FEMALES (MEAN +/- SE)



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TABLES 1 - 15

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TABLE 1
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF SURVIVAL AND DISPOSITION

PAGE 1

GROUP : 1					2					MALES 3				
WEEK	LIVE	FD	EE	SE	LIVE	FD	EE	SE		LIVE	FD	EE	SE	
0	20	0	0	0	20	0	0	0		20	0	0	0	
1	20	0	0	0	20	0	0	0		20	0	0	0	
2	20	0	0	0	20	0	0	0		20	0	0	0	
3	20	0	0	0	20	0	0	0		20	0	0	0	
4	20	0	0	0	20	0	0	0		20	0	0	0	
5	20	0	0	0	20	0	0	0		20	0	0	0	
6	20	0	0	0	20	0	0	0		20	0	0	0	
7	20	0	0	0	20	0	0	0		20	0	0	0	
8	20	0	0	0	20	0	0	0		20	0	0	0	
9	20	0	0	0	20	0	0	0		20	0	0	0	
10	20	0	0	0	20	0	0	0		20	0	0	0	
11	20	0	0	0	20	0	0	0		20	0	0	0	
12	20	0	0	0	20	0	0	0		20	0	0	0	
13	0	0	0	20	0	0	0	20		0	0	0	20	
WEEK = WEEK OF STUDY FD = FOUND DEAD EE = EUTHANIZED IN EXTREMIS SE = SCHEDULED EUTHANASIA														
1- CONTROL DIET					2- 5% TEST DIET					3- 15% TEST DIET				

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 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 1
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF SURVIVAL AND DISPOSITION

PAGE 2

GROUP : 1					2					FEMALES 3				
WEEK	LIVE	FD	EE	SE	LIVE	FD	EE	SE		LIVE	FD	EE	SE	
0	20	0	0	0	20	0	0	0		20	0	0	0	
1	20	0	0	0	20	0	0	0		20	0	0	0	
2	20	0	0	0	20	0	0	0		20	0	0	0	
3	20	0	0	0	20	0	0	0		20	0	0	0	
4	20	0	0	0	20	0	0	0		20	0	0	0	
5	20	0	0	0	20	0	0	0		20	0	0	0	
6	20	0	0	0	20	0	0	0		20	0	0	0	
7	20	0	0	0	20	0	0	0		20	0	0	0	
8	20	0	0	0	19	1	0	0		20	0	0	0	
9	20	0	0	0	19	0	0	0		20	0	0	0	
10	20	0	0	0	19	0	0	0		20	0	0	0	
11	20	0	0	0	19	0	0	0		20	0	0	0	
12	20	0	0	0	19	0	0	0		20	0	0	0	
13	0	0	0	20	0	0	0	19		0	0	0	20	
WEEK = WEEK OF STUDY					FD = FOUND DEAD					EE = EUTHANIZED IN EXTREMIS				
1- CONTROL DIET					2- 5% TEST DIET					3- 15% TEST DIET				

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PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 1

----- M A L E -----

TABLE RANGE: GROUP:	DAY 000 TO DAY 091 1	2	3
NORMAL			
-NO SIGNIFICANT CLINICAL OBSERVATIONS	268/20	240/20	249/20
DISPOSITION			
-PRIMARY NECROPSY (WEEK 13)	10/10	10/10	10/10
BODY/INTEGUMENT			
-HAIR LOSS FORELIMB(S)	0/ 0	7/ 4	5/ 3
EYES/EARS/NOSE			
-CLEAR DISCHARGE RIGHT EYE	0/ 0	2/ 1	2/ 1
-RED DISCHARGE LEFT EYE	0/ 0	3/ 1	0/ 0
-RED DISCHARGE RIGHT EYE	0/ 0	4/ 2	3/ 1
-DRIED RED MATERIAL AROUND LEFT EYE	0/ 0	5/ 2	0/ 0
-DRIED RED MATERIAL AROUND RIGHT EYE	0/ 0	9/ 3	10/ 2
-OPACITY LEFT EYE	0/ 0	1/ 1	0/ 0
-OPACITY RIGHT EYE	0/ 0	0/ 0	1/ 1
-DRIED RED MATERIAL AROUND NOSE	0/ 0	3/ 3	1/ 1
-COMPLETE CLOSURE RIGHT EYE	0/ 0	0/ 0	1/ 1
EXCRETA			
-SOFT FECES	0/ 0	1/ 1	0/ 0
1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET			

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 2

----- M A L E -----

TABLE RANGE: GROUP:	DAY 000 TO DAY 091 1	2	3
EXCRETA			
-RED PENILE DISCHARGE	0/ 0	0/ 0	1/ 1
ORAL/DENTAL			
-UPPER INCISOR(S) BROKEN	1/ 1	8/ 3	2/ 1
-UPPER INCISOR(S) MISSING	0/ 0	2/ 2	0/ 0
-UPPER INCISOR(S) LONG, TRIMMED	0/ 0	1/ 1	7/ 1
-UPPER INCISOR(S) MALALIGNED	0/ 0	14/ 3	5/ 1
-LOWER INCISOR(S) LONG, TRIMMED	1/ 1	14/ 4	8/ 1
BODY/INTEG III			
-WET YELLOW MATERIAL ANOGENITAL AREA	0/ 0	0/ 0	1/ 1
1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET			

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 3

----- F E M A L E -----

TABLE RANGE: GROUP:	DAY 000 TO DAY 091 1	2	3
NORMAL			
-NO SIGNIFICANT CLINICAL OBSERVATIONS	257/20	239/20	268/20
DISPOSITION			
-FOUND DEAD	0/ 0	1/ 1	0/ 0
-PRIMARY NECROPSY (WEEK 13)	10/10	10/10	10/10
BODY/INTEGUMENT			
-HAIR LOSS FORELIMB(S)	11/ 5	26/ 6	1/ 1
-HAIR LOSS HINDLIMB(S)	0/ 0	0/ 0	1/ 1
-HAIR LOSS VENTRAL TRUNK	0/ 0	0/ 0	1/ 1
EYES/EARS/NOSE			
-DRIED RED MATERIAL AROUND RIGHT EYE	1/ 1	0/ 0	0/ 0
-DRIED RED MATERIAL AROUND NOSE	1/ 1	0/ 0	0/ 0
EXCRETA			
-SOFT FECES	0/ 0	1/ 1	0/ 0
BODY/INTEG II			
-SCABBING FORELIMB(S)	0/ 0	1/ 1	0/ 0
ORAL/DENTAL			
-WET RED MATERIAL AROUND MOUTH	1/ 1	1/ 1	0/ 0
1- CONTROL DIET	2- 5% TEST DIET	3- 15% TEST DIET	

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TABLE 3 (DAILY OBSERVATIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 1

----- M A L E -----

TABLE RANGE: GROUP:	DAY 000 TO DAY 090		
	1	2	3
EYES/EARS/NOSE			
-RED DISCHARGE LEFT EYE	0/ 0	0/ 0	1/ 1
-RED DISCHARGE RIGHT EYE	0/ 0	2/ 1	5/ 1
-DRIED RED MATERIAL AROUND LEFT EYE	0/ 0	5/ 2	0/ 0
-DRIED RED MATERIAL AROUND RIGHT EYE	0/ 0	8/ 1	19/ 2
-DRIED RED MATERIAL AROUND NOSE	1/ 1	1/ 1	1/ 1
-WET RED MATERIAL AROUND NOSE	0/ 0	0/ 0	1/ 1
EXCRETA			
-RED PENILE DISCHARGE	0/ 0	1/ 1	0/ 0
1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET			

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 3 (DAILY OBSERVATIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 2

----- F E M A L E -----

TABLE RANGE:			DAY 000 TO DAY 090		
GROUP:			1	2	3
EYES/EARS/NOSE					
-DRIED RED MATERIAL AROUND LEFT EYE			1/ 1	1/ 1	0/ 0
1- CONTROL DIET	2- 5% TEST DIET	3- 15% TEST DIET			

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PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF BODY WEIGHTS [G]

PAGE 1

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	-3	MEAN	85.	86.	88.
		S.D.	7.3	7.1	7.5
		S.E.	1.6	1.6	1.7
		N	20	20	20
	-2	MEAN	131.	131.	132.
		S.D.	9.5	10.0	10.2
		S.E.	2.1	2.2	2.3
		N	20	20	20
	-1	MEAN	188.	189.	189.
		S.D.	12.4	12.2	12.5
		S.E.	2.8	2.7	2.8
		N	20	20	20
	0	MEAN	203.	203.	202.
		S.D.	13.0	11.9	13.3
		S.E.	2.9	2.7	3.0
		N	20	20	20
	1	MEAN	251.	249.	253.
		S.D.	14.5	14.8	15.5
		S.E.	3.3	3.3	3.5
		N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF BODY WEIGHTS [G]

PAGE 2

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	2	MEAN	307.	310.	306.
		S.D.	20.4	17.6	22.5
		S.E.	4.6	3.9	5.0
		N	20	20	20
	3	MEAN	343.	347.	344.
		S.D.	26.8	22.2	24.2
		S.E.	6.0	5.0	5.4
		N	20	20	20
	4	MEAN	381.	379.	386.
		S.D.	31.5	24.6	26.9
		S.E.	7.0	5.5	6.0
		N	20	20	20
	5	MEAN	405.	404.	412.
		S.D.	33.6	28.3	28.3
		S.E.	7.5	6.3	6.3
		N	20	20	20
	6	MEAN	425.	425.	434.
		S.D.	35.2	31.0	30.5
		S.E.	7.9	6.9	6.8
		N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF BODY WEIGHTS [G]

PAGE 3

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	7	MEAN	449.	449.	457.
		S.D.	36.8	33.0	36.0
		S.E.	8.2	7.4	8.1
		N	20	20	20
	8	MEAN	469.	471.	478.
		S.D.	37.4	34.2	38.6
		S.E.	8.4	7.6	8.6
		N	20	20	20
	9	MEAN	486.	487.	497.
		S.D.	41.3	38.8	42.5
		S.E.	9.2	8.7	9.5
		N	20	20	20
	10	MEAN	500.	495.	512.
		S.D.	41.5	35.9	45.0
		S.E.	9.3	8.0	10.1
		N	20	20	20
	11	MEAN	515.	509.	527.
		S.D.	43.6	37.1	45.6
		S.E.	9.7	8.3	10.2
		N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF BODY WEIGHTS [G]

PAGE 4

GROUP:		MALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK 12	MEAN	526.	520.	534.
	S.D.	42.1	37.7	46.3
	S.E.	9.4	8.4	10.4
	N	20	20	20
13	MEAN	535.	529.	542.
	S.D.	43.4	41.3	49.1
	S.E.	9.7	9.2	11.0
	N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF BODY WEIGHTS [G]

PAGE 5

GROUP:		FEMALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	-3	MEAN	84.	86.	85.
		S.D.	6.8	7.3	6.1
		S.E.	1.5	1.6	1.4
		N	20	20	20
	-2	MEAN	119.	121.	121.
		S.D.	8.2	7.8	7.4
		S.E.	1.8	1.7	1.6
		N	20	20	20
	-1	MEAN	153.	153.	153.
		S.D.	9.0	8.4	8.5
		S.E.	2.0	1.9	1.9
		N	20	20	20
	0	MEAN	159.	158.	158.
		S.D.	9.8	8.0	9.5
		S.E.	2.2	1.8	2.1
		N	20	20	20
	1	MEAN	179.	178.	178.
		S.D.	14.0	9.5	10.2
		S.E.	3.1	2.1	2.3
		N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF BODY WEIGHTS [G]

PAGE 6

GROUP:		FEMALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	2	MEAN	206.	206.	202.
		S.D.	19.4	12.0	14.4
		S.E.	4.3	2.7	3.2
		N	20	20	20
	3	MEAN	221.	221.	218.
		S.D.	18.3	13.2	15.0
		S.E.	4.1	2.9	3.4
		N	20	20	20
	4	MEAN	235.	238.	234.
		S.D.	22.1	16.0	16.7
		S.E.	4.9	3.6	3.7
		N	20	20	20
	5	MEAN	244.	246.	244.
		S.D.	21.8	16.1	13.9
		S.E.	4.9	3.6	3.1
		N	20	20	20
	6	MEAN	252.	255.	250.
		S.D.	22.1	17.0	19.0
		S.E.	4.9	3.8	4.3
		N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF BODY WEIGHTS [G]

PAGE 7

GROUP:		FEMALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	7	MEAN	262.	263.	260.
		S.D.	23.0	17.9	15.9
		S.E.	5.1	4.0	3.6
		N	20	20	20
	8	MEAN	270.	273.	270.
		S.D.	24.5	19.1	16.8
		S.E.	5.5	4.3	3.8
		N	20	20	20
	9	MEAN	277.	277.	276.
		S.D.	28.5	19.2	17.5
		S.E.	6.4	4.4	3.9
		N	20	19	20
	10	MEAN	280.	284.	280.
		S.D.	26.0	18.7	18.2
		S.E.	5.8	4.3	4.1
		N	20	19	20
	11	MEAN	287.	290.	286.
		S.D.	28.8	20.2	18.1
		S.E.	6.4	4.6	4.1
		N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF BODY WEIGHTS [G]

PAGE 8

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK 12	MEAN	291.	293.	292.
	S.D.	29.9	19.8	18.9
	S.E.	6.7	4.5	4.2
	N	20	19	20
13	MEAN	295.	296.	293.
	S.D.	29.2	19.8	19.9
	S.E.	6.5	4.5	4.5
	N	20	19	20

None significantly different from control group

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PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 1

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 1				
	MEAN	48.	47.	51.	
	S.D.	6.3	5.2	6.8	
	S.E.	1.4	1.2	1.5	
	N	20	20	20	
	0 TO 2				
	MEAN	104.	107.	104.	
	S.D.	10.9	10.3	17.1	
	S.E.	2.4	2.3	3.8	
	N	20	20	20	
	0 TO 3				
	MEAN	140.	144.	142.	
	S.D.	17.3	14.8	20.6	
	S.E.	3.9	3.3	4.6	
	N	20	20	20	
	0 TO 4				
	MEAN	178.	176.	183.	
	S.D.	22.5	18.8	24.3	
	S.E.	5.0	4.2	5.4	
	N	20	20	20	
	0 TO 5				
	MEAN	201.	201.	210.	
	S.D.	24.2	21.8	27.0	
	S.E.	5.4	4.9	6.0	
	N	20	20	20	

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 2

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 6				
	MEAN	221.	223.	232.	
	S.D.	26.1	24.2	29.2	
	S.E.	5.8	5.4	6.5	
	N	20	20	20	
	0 TO 7				
	MEAN	246.	246.	255.	
	S.D.	27.8	26.0	35.8	
	S.E.	6.2	5.8	8.0	
	N	20	20	20	
	0 TO 8				
	MEAN	266.	268.	276.	
	S.D.	27.9	27.0	38.6	
	S.E.	6.2	6.0	8.6	
	N	20	20	20	
	0 TO 9				
	MEAN	283.	284.	295.	
	S.D.	31.5	31.8	43.2	
	S.E.	7.0	7.1	9.7	
	N	20	20	20	
	0 TO 10				
	MEAN	297.	293.	309.	
	S.D.	32.1	28.9	45.7	
	S.E.	7.2	6.5	10.2	
	N	20	20	20	

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 3

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 11				
	MEAN	312.	306.	325.	
	S.D.	34.6	29.8	46.9	
	S.E.	7.7	6.7	10.5	
	N	20	20	20	
	0 TO 12				
	MEAN	323.	317.	332.	
	S.D.	33.5	30.2	47.7	
	S.E.	7.5	6.8	10.7	
	N	20	20	20	
	0 TO 13				
	MEAN	332.	326.	340.	
	S.D.	34.7	33.8	51.0	
	S.E.	7.8	7.6	11.4	
	N	20	20	20	

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 4

GROUP:		FEMALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 1				
	MEAN	21.	20.	20.	
	S.D.	5.5	3.1	6.0	
	S.E.	1.2	0.7	1.3	
	N	20	20	20	
	0 TO 2				
	MEAN	47.	48.	44.	
	S.D.	11.0	6.0	8.6	
	S.E.	2.4	1.4	1.9	
	N	20	20	20	
	0 TO 3				
	MEAN	62.	63.	60.	
	S.D.	10.2	8.9	9.6	
	S.E.	2.3	2.0	2.2	
	N	20	20	20	
	0 TO 4				
	MEAN	76.	79.	76.	
	S.D.	14.4	12.2	12.6	
	S.E.	3.2	2.7	2.8	
	N	20	20	20	
	0 TO 5				
	MEAN	85.	87.	86.	
	S.D.	14.5	12.7	11.1	
	S.E.	3.2	2.8	2.5	
	N	20	20	20	

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 5

GROUP:		FEMALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 6				
	MEAN	93.	97.	93.	
	S.D.	14.4	12.7	15.0	
	S.E.	3.2	2.8	3.3	
	N	20	20	20	
	0 TO 7				
	MEAN	103.	105.	103.	
	S.D.	15.3	13.2	13.4	
	S.E.	3.4	3.0	3.0	
	N	20	20	20	
	0 TO 8				
	MEAN	111.	115.	112.	
	S.D.	17.1	15.3	14.2	
	S.E.	3.8	3.4	3.2	
	N	20	20	20	
	0 TO 9				
	MEAN	119.	119.	118.	
	S.D.	21.1	15.8	14.8	
	S.E.	4.7	3.6	3.3	
	N	20	19	20	
	0 TO 10				
	MEAN	121.	125.	123.	
	S.D.	18.5	14.9	15.3	
	S.E.	4.1	3.4	3.4	
	N	20	19	20	

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 6

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	0 TO 11			
	MEAN	128.	132.	128.
	S.D.	21.3	16.7	15.0
	S.E.	4.8	3.8	3.3
	N	20	19	20
	0 TO 12			
	MEAN	132.	134.	135.
	S.D.	22.4	16.5	16.3
	S.E.	5.0	3.8	3.6
	N	20	19	20
	0 TO 13			
	MEAN	136.	138.	136.
	S.D.	21.9	16.1	17.2
	S.E.	4.9	3.7	3.8
	N	20	19	20

None significantly different from control group

PBFSTv5.28
 03/04/2008

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 1

GROUP:			MALES			
			CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	-2 TO	-1				
		MEAN	23.	23.	23.	
		S.D.	1.7	1.7	1.5	
		S.E.	0.4	0.4	0.3	
		N	20	20	20	
	0 TO	1				
		MEAN	27.	26.	26.	
		S.D.	2.3	2.3	1.4	
		S.E.	0.5	0.5	0.3	
		N	20	20	20	
	1 TO	2				
		MEAN	27.	28.	27.	
		S.D.	2.0	2.2	3.0	
		S.E.	0.5	0.5	0.7	
		N	19	20	20	
	2 TO	3				
		MEAN	28.	29.	28.	
		S.D.	2.9	2.4	2.4	
		S.E.	0.6	0.5	0.5	
		N	20	20	20	
	3 TO	4				
		MEAN	28.	28.	30.**	
		S.D.	2.7	2.9	2.3	
		S.E.	0.6	0.7	0.5	
		N	19	20	20	

** = Significantly different from the control group at 0.01 using Dunnett's test

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 2

GROUP:			MALES		
WEEK	4 TO	5	CONTROL DIET	5% TEST DIET	15% TEST DIET
		MEAN	28.	28.	30.*
		S.D.	2.6	2.3	2.0
		S.E.	0.6	0.5	0.5
		N	19	19	18
	5 TO	6			
		MEAN	28.	28.	30.
		S.D.	2.5	2.4	2.1
		S.E.	0.6	0.6	0.5
		N	19	19	19
	6 TO	7			
		MEAN	29.	28.	30.
		S.D.	2.5	2.8	2.2
		S.E.	0.6	0.7	0.5
		N	19	18	19
	7 TO	8			
		MEAN	28.	29.	29.
		S.D.	2.4	2.7	2.3
		S.E.	0.5	0.6	0.5
		N	19	20	18
	8 TO	9			
		MEAN	28.	28.	29.
		S.D.	2.3	2.4	2.3
		S.E.	0.5	0.5	0.5
		N	20	19	19

* = Significantly different from the control group at 0.05 using Dunnett's test

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 3

GROUP:			MALES		
			CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	9 TO	10			
		MEAN	27.	28.	29.*
		S.D.	2.2	2.8	2.2
		S.E.	0.5	0.6	0.5
		N	18	20	19
	10 TO	11			
		MEAN	28.	28.	30.**
		S.D.	2.9	2.6	1.9
		S.E.	0.7	0.6	0.4
		N	20	20	19
	11 TO	12			
		MEAN	28.	28.	29.
		S.D.	2.5	2.5	2.4
		S.E.	0.6	0.6	0.5
		N	20	19	19
	12 TO	13			
		MEAN	28.	28.	29.
		S.D.	2.3	2.8	2.0
		S.E.	0.5	0.6	0.5
		N	19	20	19

* = Significantly different from the control group at 0.05 using Dunnett's test
 ** = Significantly different from the control group at 0.01 using Dunnett's test

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 4

GROUP:			FEMALES		
			CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	-2 TO	-1			
		MEAN	19.	19.	19.
		S.D.	1.2	2.5	1.4
		S.E.	0.3	0.6	0.3
		N	20	20	20
	0 TO	1			
		MEAN	20.	19.	19.
		S.D.	1.8	1.4	1.5
		S.E.	0.4	0.3	0.3
		N	20	20	20
	1 TO	2			
		MEAN	20.	20.	20.
		S.D.	2.1	1.2	2.2
		S.E.	0.5	0.3	0.5
		N	20	20	20
	2 TO	3			
		MEAN	20.	21.	20.
		S.D.	3.3	1.4	2.0
		S.E.	0.8	0.3	0.5
		N	19	20	20
	3 TO	4			
		MEAN	20.	21.	20.
		S.D.	1.8	1.8	2.0
		S.E.	0.4	0.4	0.4
		N	19	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 5

GROUP:			FEMALES		
WEEK	4 TO	5	CONTROL DIET	5% TEST DIET	15% TEST DIET
		MEAN	21.	22.	21.
		S.D.	2.1	1.6	1.2
		S.E.	0.5	0.4	0.3
		N	19	20	20
	5 TO	6			
		MEAN	21.	21.	21.
		S.D.	2.8	2.0	1.9
		S.E.	0.6	0.4	0.4
		N	20	20	20
	6 TO	7			
		MEAN	21.	21.	21.
		S.D.	1.8	1.6	2.0
		S.E.	0.4	0.4	0.5
		N	20	20	18
	7 TO	8			
		MEAN	20.	21.	20.
		S.D.	1.7	2.0	3.1
		S.E.	0.4	0.4	0.7
		N	20	20	19
	8 TO	9			
		MEAN	21.	21.	20.
		S.D.	3.0	1.6	1.9
		S.E.	0.7	0.4	0.4
		N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 6

GROUP:			FEMALES		
WEEK	9 TO	10	CONTROL DIET	5% TEST DIET	15% TEST DIET
		MEAN	20.	21.	20.
		S.D.	2.1	1.3	1.5
		S.E.	0.5	0.3	0.4
		N	20	19	19
	10 TO	11			
		MEAN	20.	21.	20.
		S.D.	2.6	2.2	1.7
		S.E.	0.6	0.5	0.4
		N	20	19	20
	11 TO	12			
		MEAN	20.	20.	21.
		S.D.	2.5	1.4	2.1
		S.E.	0.6	0.3	0.5
		N	20	19	20
	12 TO	13			
		MEAN	20.	20.	20.
		S.D.	1.8	1.3	2.2
		S.E.	0.4	0.3	0.5
		N	19	19	19

None significantly different from control group

PBFSTv5.28
 03/05/2008

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 1

GROUP:		MALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 1				
	MEAN	0.	5732.	17193.	
	S.D.	0.0	351.7	780.9	
	S.E.	0.0	78.6	174.6	
	N	20	20	20	
	1 TO 2				
	MEAN	0.	4949.	14265.	
	S.D.	0.0	254.8	1273.7	
	S.E.	0.0	57.0	284.8	
	N	19	20	20	
	2 TO 3				
	MEAN	0.	4385.	13039.	
	S.D.	0.0	269.0	873.8	
	S.E.	0.0	60.2	195.4	
	N	20	20	20	
	3 TO 4				
	MEAN	0.	3858.	12488.	
	S.D.	0.0	238.0	676.3	
	S.E.	0.0	53.2	151.2	
	N	19	20	20	
	4 TO 5				
	MEAN	0.	3661.	11465.	
	S.D.	0.0	172.2	522.4	
	S.E.	0.0	39.5	123.1	
	N	19	19	18	

MEAN CONSUMPTION CALCULATED FROM INDIVIDUAL CONSUMPTIONS

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 7
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 2

GROUP:		MALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	5 TO 6			
	MEAN	0.	3368.	10570.
	S.D.	0.0	176.0	380.3
	S.E.	0.0	40.4	87.2
	N	19	19	19
	6 TO 7			
	MEAN	0.	3180.	10144.
	S.D.	0.0	196.4	407.9
	S.E.	0.0	46.3	93.6
	N	19	18	19
	7 TO 8			
	MEAN	0.	3178.	9546.
	S.D.	0.0	207.0	306.0
	S.E.	0.0	46.3	72.1
	N	19	20	18
	8 TO 9			
	MEAN	0.	2948.	8898.
	S.D.	0.0	116.7	331.8
	S.E.	0.0	26.8	76.1
	N	20	19	19
	9 TO 10			
	MEAN	0.	2819.	8856.
	S.D.	0.0	200.8	333.1
	S.E.	0.0	44.9	76.4
	N	18	20	19

MEAN CONSUMPTION CALCULATED FROM INDIVIDUAL CONSUMPTIONS

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 3

GROUP:			MALES		
			CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	10 TO	11			
		MEAN	0.	2825.	8799.
		S.D.	0.0	120.5	452.1
		S.E.	0.0	27.0	103.7
		N	20	20	19
	11 TO	12			
		MEAN	0.	2685.	8413.
		S.D.	0.0	129.7	299.3
		S.E.	0.0	29.8	68.7
		N	20	19	19
	12 TO	13			
		MEAN	0.	2629.	8222.
		S.D.	0.0	127.7	392.7
		S.E.	0.0	28.6	90.1
		N	19	20	19
	GRAND MEAN		0.	3555.	10915.
	TEST PERIODS		13	13	13
MEAN CONSUMPTION CALCULATED FROM INDIVIDUAL CONSUMPTIONS					

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 7
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 4

GROUP:		FEMALES			
		CONTROL DIET	5% TEST DIET	15% TEST DIET	
WEEK	0 TO 1				
	MEAN	0.	5750.	17218.	
	S.D.	0.0	390.1	979.4	
	S.E.	0.0	87.2	219.0	
	N	20	20	20	
	1 TO 2				
	MEAN	0.	5140.	15487.	
	S.D.	0.0	240.8	1140.6	
	S.E.	0.0	53.8	255.0	
	N	20	20	20	
	2 TO 3				
	MEAN	0.	4867.	14596.	
	S.D.	0.0	233.6	986.7	
	S.E.	0.0	52.2	220.6	
	N	19	20	20	
	3 TO 4				
	MEAN	0.	4510.	13530.	
	S.D.	0.0	327.8	772.0	
	S.E.	0.0	73.3	172.6	
	N	19	20	20	
	4 TO 5				
	MEAN	0.	4472.	13173.	
	S.D.	0.0	288.8	791.4	
	S.E.	0.0	64.6	177.0	
	N	19	20	20	

MEAN CONSUMPTION CALCULATED FROM INDIVIDUAL CONSUMPTIONS

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 7
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 5

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	5 TO 6			
	MEAN	0.	4139.	12704.
	S.D.	0.0	294.1	653.0
	S.E.	0.0	65.8	146.0
	N	20	20	20
	6 TO 7			
	MEAN	0.	4060.	12347.
	S.D.	0.0	248.6	976.1
	S.E.	0.0	55.6	230.1
	N	20	20	18
	7 TO 8			
	MEAN	0.	3942.	11127.
	S.D.	0.0	303.5	1582.6
	S.E.	0.0	67.9	363.1
	N	20	20	19
	8 TO 9			
	MEAN	0.	3756.	10954.
	S.D.	0.0	229.4	644.8
	S.E.	0.0	52.6	144.2
	N	20	19	20
	9 TO 10			
	MEAN	0.	3715.	10942.
	S.D.	0.0	205.9	638.5
	S.E.	0.0	47.2	146.5
	N	20	19	19

MEAN CONSUMPTION CALCULATED FROM INDIVIDUAL CONSUMPTIONS

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 7
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 6

GROUP:			FEMALES		
			CONTROL DIET	5% TEST DIET	15% TEST DIET
WEEK	10 TO	11			
		MEAN	0.	3629.	10575.
		S.D.	0.0	324.9	719.3
		S.E.	0.0	74.5	160.8
		N	20	19	20
	11 TO	12			
		MEAN	0.	3478.	10835.
		S.D.	0.0	193.5	800.8
		S.E.	0.0	44.4	179.1
		N	20	19	20
	12 TO	13			
		MEAN	0.	3427.	10270.
		S.D.	0.0	219.8	753.4
		S.E.	0.0	50.4	172.8
		N	19	19	19
	GRAND MEAN		0.	4222.	12597.
	TEST PERIODS		13	13	13

MEAN CONSUMPTION CALCULATED FROM INDIVIDUAL CONSUMPTIONS

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 03/06/2008

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

PAGE 1

ANALYSIS		MALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

WHITE CELLS (thous/uL)				
WEEK 13	MEAN	8.67	8.80	10.18
	S.D.	1.666	1.585	2.448
	S.E.	0.555	0.501	0.816
	N	9	10	9
RED CELLS (mil/uL)				
WEEK 13	MEAN	9.21	9.26	8.95
	S.D.	0.264	0.391	0.283
	S.E.	0.088	0.124	0.094
	N	9	10	9
HEMOGLOBIN (g/dL)				
WEEK 13	MEAN	16.5	16.5	16.3
	S.D.	0.41	0.37	0.57
	S.E.	0.14	0.12	0.19
	N	9	10	9
HEMATOCRIT (%)				
WEEK 13	MEAN	45.8	45.9	45.5
	S.D.	1.03	0.74	1.46
	S.E.	0.34	0.23	0.49
	N	9	10	9

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER				

None significantly different from control group				

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

PAGE 2

ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	
<hr/>					
MCV (fL)					
WEEK 13	MEAN	49.7	49.6	50.8	
	S.D.	1.04	1.77	1.61	
	S.E.	0.35	0.56	0.54	
	N	9	10	9	
MCH (pg)					
WEEK 13	MEAN	18.0	17.8	18.2	
	S.D.	0.35	0.65	0.51	
	S.E.	0.12	0.21	0.17	
	N	9	10	9	
MCHC (g/dL)					
WEEK 13	MEAN	36.2	36.0	35.9	
	S.D.	0.41	0.57	0.55	
	S.E.	0.14	0.18	0.18	
	N	9	10	9	
PLATELET (thous/uL)					
WEEK 13	MEAN	1100.	1141.	1105.	
	S.D.	233.2	227.7	190.7	
	S.E.	77.7	72.0	63.6	
	N	9	10	9	
<hr/>					
thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER					
<hr/>					
None significantly different from control group					

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF HEMATOLOGY VALUES

PAGE 3

ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	

PROTIME (seconds)					
WEEK 13	MEAN	13.1	13.6	13.2	
	S.D.	0.93	0.94	0.66	
	S.E.	0.29	0.30	0.21	
	N	10	10	10	
APTT (seconds)					
WEEK 13	MEAN	18.7	19.3	18.5	
	S.D.	2.47	0.74	1.47	
	S.E.	0.78	0.23	0.47	
	N	10	10	10	
RETICULOCYTE (%)					
WEEK 13	MEAN	1.7	1.6	1.9	
	S.D.	0.16	0.23	0.41	
	S.E.	0.05	0.07	0.14	
	N	9	10	9	
RETIC ABSOLUTE (thous/uL)					
WEEK 13	MEAN	151.9	148.4	170.1	
	S.D.	13.92	18.74	34.30	
	S.E.	4.64	5.93	11.43	
	N	9	10	9	

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

PAGE 4

ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	
NEUTROPHIL (%)					
WEEK 13	MEAN	15.6	12.1	14.4	
	S.D.	4.47	3.07	5.20	
	S.E.	1.49	0.97	1.73	
	N	9	10	9	
LYMPHOCYTE (%)					
WEEK 13	MEAN	79.1	83.0	79.9	
	S.D.	4.68	3.57	5.13	
	S.E.	1.56	1.13	1.71	
	N	9	10	9	
MONOCYTE (%)					
WEEK 13	MEAN	2.6	2.2	2.9	
	S.D.	0.49	0.94	0.84	
	S.E.	0.16	0.30	0.28	
	N	9	10	9	
EOSINOPHIL (%)					
WEEK 13	MEAN	1.4	1.4	1.4	
	S.D.	0.53	0.73	0.38	
	S.E.	0.18	0.23	0.13	
	N	9	10	9	

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

None significantly different from control group

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

PAGE 5

ANALYSIS		MALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

BASOPHIL (%)				
WEEK 13	MEAN	0.5	0.5	0.6
	S.D.	0.15	0.18	0.12
	S.E.	0.05	0.06	0.04
	N	9	10	9
LG UNSTAIN CELL (%)				
WEEK 13	MEAN	0.7	0.7	0.9
	S.D.	0.27	0.26	0.34
	S.E.	0.09	0.08	0.11
	N	9	10	9
NEU ABSOLUTE (thous/uL)				
WEEK 13	MEAN	1.31	1.07	1.45
	S.D.	0.238	0.371	0.603
	S.E.	0.079	0.117	0.201
	N	9	10	9
LYMPH ABSOLUTE (thous/uL)				
WEEK 13	MEAN	6.91	7.29	8.15
	S.D.	1.598	1.290	2.052
	S.E.	0.533	0.408	0.684
	N	9	10	9

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF HEMATOLOGY VALUES

PAGE 6

ANALYSIS		MALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

MONO ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.23	0.20	0.29
	S.D.	0.058	0.104	0.099
	S.E.	0.019	0.033	0.033
	N	9	10	9
EOS ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.12	0.13	0.14
	S.D.	0.043	0.073	0.058
	S.E.	0.014	0.023	0.019
	N	9	10	9
BASO ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.04	0.05	0.06
	S.D.	0.013	0.024	0.021
	S.E.	0.004	0.008	0.007
	N	9	10	9
LUC ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.06	0.07	0.10
	S.D.	0.024	0.030	0.046
	S.E.	0.008	0.010	0.015
	N	9	10	9

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER				

None significantly different from control group				

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TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

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ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

WHITE CELLS (thous/uL)				
WEEK 13	MEAN	6.45	7.57	6.20
	S.D.	1.617	2.671	2.030
	S.E.	0.539	0.890	0.642
	N	9	9	10
RED CELLS (mil/uL)				
WEEK 13	MEAN	8.44	8.24	8.50
	S.D.	0.304	0.839	0.469
	S.E.	0.101	0.280	0.148
	N	9	9	10
HEMOGLOBIN (g/dL)				
WEEK 13	MEAN	15.8	15.3	16.0
	S.D.	0.22	1.50	0.46
	S.E.	0.07	0.50	0.15
	N	9	9	10
HEMATOCRIT (%)				
WEEK 13	MEAN	42.7	41.9	43.8
	S.D.	0.94	4.55	1.25
	S.E.	0.31	1.52	0.40
	N	9	9	10

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

None significantly different from control group

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 SPONSOR:MONSANTO COMPANY
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TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

PAGE 8

ANALYSIS		FEMALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	
<hr/>					
MCV (fL)					
WEEK 13	MEAN	50.5	50.8	51.6	
	S.D.	1.19	1.35	1.97	
	S.E.	0.40	0.45	0.62	
	N	9	9	10	
<hr/>					
MCH (pg)					
WEEK 13	MEAN	18.7	18.6	18.9	
	S.D.	0.57	0.68	0.68	
	S.E.	0.19	0.23	0.21	
	N	9	9	10	
<hr/>					
MCHC (g/dL)					
WEEK 13	MEAN	37.1	36.6	36.5	
	S.D.	0.44	0.78	0.53	
	S.E.	0.15	0.26	0.17	
	N	9	9	10	
<hr/>					
PLATELET (thous/uL)					
WEEK 13	MEAN	1177.	1075.	1062.	
	S.D.	91.3	135.3	267.6	
	S.E.	30.4	45.1	84.6	
	N	9	9	10	

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

None significantly different from control group

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TABLE 8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF HEMATOLOGY VALUES

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ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

PROTIME (seconds)				
WEEK 13	MEAN	12.1	12.1	12.6
	S.D.	0.97	0.96	0.65
	S.E.	0.31	0.31	0.21
	N	10	10	10
APTT (seconds)				
WEEK 13	MEAN	16.4	16.0	17.8
	S.D.	2.03	2.45	1.55
	S.E.	0.64	0.78	0.49
	N	10	10	10
RETICULOCYTE (%)				
WEEK 13	MEAN	1.5	1.9	1.7
	S.D.	0.27	0.56	0.40
	S.E.	0.09	0.19	0.13
	N	9	9	10
RETIC ABSOLUTE (thous/uL)				
WEEK 13	MEAN	129.1	152.1	140.3
	S.D.	23.81	27.76	26.10
	S.E.	7.94	9.25	8.25
	N	9	9	10

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None significantly different from control group

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TABLE 8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF HEMATOLOGY VALUES

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ANALYSIS		FEMALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	
NEUTROPHIL (%)					
WEEK 13	MEAN	12.8	15.1	10.1	
	S.D.	3.91	6.42	4.37	
	S.E.	1.30	2.14	1.38	
	N	9	9	10	
LYMPHOCYTE (%)					
WEEK 13	MEAN	82.3	80.7	85.1	
	S.D.	4.17	6.96	4.32	
	S.E.	1.39	2.32	1.37	
	N	9	9	10	
MONOCYTE (%)					
WEEK 13	MEAN	2.4	2.0	2.3	
	S.D.	0.64	0.79	0.60	
	S.E.	0.21	0.26	0.19	
	N	9	9	10	
EOSINOPHIL (%)					
WEEK 13	MEAN	1.4	1.1	1.3	
	S.D.	0.52	0.32	0.40	
	S.E.	0.17	0.11	0.13	
	N	9	9	10	

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

None significantly different from control group

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TABLE 8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF HEMATOLOGY VALUES

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ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

BASOPHIL (%)				
WEEK 13	MEAN	0.4	0.4	0.4
	S.D.	0.09	0.18	0.14
	S.E.	0.03	0.06	0.05
	N	9	9	10
LG UNSTAIN CELL (%)				
WEEK 13	MEAN	0.8	0.8	0.8
	S.D.	0.24	0.26	0.18
	S.E.	0.08	0.09	0.06
	N	9	9	10
NEU ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.82	1.18	0.60
	S.D.	0.319	0.657	0.218
	S.E.	0.106	0.219	0.069
	N	9	9	10
LYMPH ABSOLUTE (thous/uL)				
WEEK 13	MEAN	5.32	6.07	5.30
	S.D.	1.447	2.145	1.849
	S.E.	0.482	0.715	0.585
	N	9	9	10

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None significantly different from control group

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TABLE 8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF HEMATOLOGY VALUES

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ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

MONO ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.14	0.15	0.15
	S.D.	0.036	0.073	0.070
	S.E.	0.012	0.024	0.022
	N	9	9	10
EOS ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.09	0.08	0.08
	S.D.	0.030	0.044	0.033
	S.E.	0.010	0.015	0.010
	N	9	9	10
BASO ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.03	0.03	0.03
	S.D.	0.011	0.023	0.015
	S.E.	0.004	0.008	0.005
	N	9	9	10
LUC ABSOLUTE (thous/uL)				
WEEK 13	MEAN	0.05	0.06	0.05
	S.D.	0.024	0.026	0.026
	S.E.	0.008	0.009	0.008
	N	9	9	10

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER				

None significantly different from control group

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 SPONSOR:MONSANTO COMPANY
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TABLE 9 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF SERUM CHEMISTRY VALUES

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ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	

ALBUMIN (g/dL)					
WEEK 13	MEAN	4.1	4.1	4.3	
	S.D.	0.10	0.17	0.19	
	S.E.	0.03	0.05	0.06	
	N	10	10	10	
TOTAL PROTEIN (g/dL)					
WEEK 13	MEAN	6.7	6.5	6.9	
	S.D.	0.24	0.34	0.28	
	S.E.	0.08	0.11	0.09	
	N	10	10	10	
GLOBULIN (g/dL)					
WEEK 13	MEAN	2.6	2.5	2.6	
	S.D.	0.19	0.22	0.18	
	S.E.	0.06	0.07	0.06	
	N	10	10	10	
A/G RATIO					
WEEK 13	MEAN	1.62	1.69	1.63	
	S.D.	0.109	0.136	0.127	
	S.E.	0.035	0.043	0.040	
	N	10	10	10	

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER					

None significantly different from control group					

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SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

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ANALYSIS		MALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

TOTAL BILI (mg/dL)				
WEEK 13	MEAN	0.1	0.1	0.1
	S.D.	0.00	0.03	0.05
	S.E.	0.00	0.01	0.02
	N	10	10	10
UREA NITROGEN (mg/dL)				
WEEK 13	MEAN	14.4	15.7	16.0
	S.D.	2.83	2.79	2.16
	S.E.	0.89	0.88	0.68
	N	10	10	10
CREATININE (mg/dL)				
WEEK 13	MEAN	0.2	0.3	0.2
	S.D.	0.13	0.10	0.07
	S.E.	0.04	0.03	0.02
	N	10	10	10
ALKALINEPHOS'TSE (U/L)				
WEEK 13	MEAN	110.	104.	113.
	S.D.	31.4	19.7	32.8
	S.E.	9.9	6.2	10.4
	N	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER				

None significantly different from control group				

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TABLE 9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

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ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	
ALANINE TRANSFER (U/L)					
WEEK 13	MEAN	41.	43.	48.	
	S.D.	6.7	10.3	24.0	
	S.E.	2.1	3.2	7.6	
	N	10	10	10	
ASPARTATTRANSFER (U/L)					
WEEK 13	MEAN	96.	94.	93.	
	S.D.	19.5	18.2	30.4	
	S.E.	6.2	5.7	9.6	
	N	10	10	10	
GLUCOSE (mg/dL)					
WEEK 13	MEAN	116.	126.	123.	
	S.D.	7.2	20.9	15.2	
	S.E.	2.3	6.6	4.8	
	N	10	10	10	
CHOLESTEROL (mg/dL)					
WEEK 13	MEAN	56.	50.	61.	
	S.D.	8.2	7.4	15.4	
	S.E.	2.6	2.3	4.9	
	N	10	10	10	
mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER					
None significantly different from control group					

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TABLE 9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

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ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	

CALCIUM (mg/dL)					
WEEK 13	MEAN	10.7	10.6	10.8	
	S.D.	0.22	0.34	0.49	
	S.E.	0.07	0.11	0.15	
	N	10	10	10	
CHLORIDE (mEq/L)					
WEEK 13	MEAN	103.	103.	102.	
	S.D.	1.8	2.1	1.1	
	S.E.	0.6	0.7	0.4	
	N	10	10	10	
PHOSPHORUS (mg/dL)					
WEEK 13	MEAN	6.9	7.5	7.3	
	S.D.	0.82	1.24	0.96	
	S.E.	0.26	0.39	0.30	
	N	10	10	10	
POTASSIUM (mEq/L)					
WEEK 13	MEAN	5.12	5.20	4.85	
	S.D.	0.470	0.464	0.366	
	S.E.	0.149	0.147	0.116	
	N	10	10	10	

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER					

None significantly different from control group					

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TABLE 9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

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		MALES		
ANALYSIS	GROUP:	CONTROL DIET	5% TEST DIET	15% TEST DIET
SODIUM (mEq/L)				
WEEK 13	MEAN	143.	144.	144.
	S.D.	0.9	2.5	1.9
	S.E.	0.3	0.8	0.6
	N	10	10	10
TRIGLYCERIDE (mg/dL)				
WEEK 13	MEAN	69.	57.	68.
	S.D.	17.0	19.9	25.9
	S.E.	5.4	6.3	8.2
	N	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER

None significantly different from control group

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TABLE 9 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF SERUM CHEMISTRY VALUES

PAGE 6

ANALYSIS		FEMALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	

ALBUMIN (g/dL)					
WEEK 13	MEAN	4.7	4.6	4.9	
	S.D.	0.29	0.34	0.48	
	S.E.	0.09	0.11	0.15	
	N	10	10	10	
TOTAL PROTEIN (g/dL)					
WEEK 13	MEAN	7.2	6.9	7.3	
	S.D.	0.36	0.42	0.65	
	S.E.	0.11	0.13	0.21	
	N	10	10	10	
GLOBULIN (g/dL)					
WEEK 13	MEAN	2.5	2.3	2.4	
	S.D.	0.19	0.31	0.25	
	S.E.	0.06	0.10	0.08	
	N	10	10	10	
A/G RATIO					
WEEK 13	MEAN	1.93	2.04	2.11	
	S.D.	0.175	0.345	0.229	
	S.E.	0.055	0.109	0.073	
	N	10	10	10	

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER					

None significantly different from control group					

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TABLE 9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

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ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

TOTAL BILI (mg/dL)				
WEEK 13	MEAN	0.1	0.1	0.1
	S.D.	0.04	0.03	0.04
	S.E.	0.01	0.01	0.01
	N	10	10	10
UREA NITROGEN (mg/dL)				
WEEK 13	MEAN	17.8	16.8	16.4
	S.D.	2.82	2.82	2.17
	S.E.	0.89	0.89	0.69
	N	10	10	10
CREATININE (mg/dL)				
WEEK 13	MEAN	0.3	0.3	0.3
	S.D.	0.03	0.08	0.05
	S.E.	0.01	0.02	0.02
	N	10	10	10
ALKALINEPHOS'TSE (U/L)				
WEEK 13	MEAN	67.	69.	56.
	S.D.	26.1	30.1	9.8
	S.E.	8.3	9.5	3.1
	N	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER				

None significantly different from control group				

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SUMMARY OF SERUM CHEMISTRY VALUES

PAGE 8

ANALYSIS		FEMALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	
ALANINE TRANSFER (U/L)					
WEEK 13	MEAN	36.	37.	41.	
	S.D.	8.9	12.4	13.0	
	S.E.	2.8	3.9	4.1	
	N	10	10	10	
ASPARTATTRANSFER (U/L)					
WEEK 13	MEAN	85.	86.	84.	
	S.D.	10.8	17.8	23.0	
	S.E.	3.4	5.6	7.3	
	N	10	10	10	
GLUCOSE (mg/dL)					
WEEK 13	MEAN	107.	113.	116.	
	S.D.	8.0	20.0	13.2	
	S.E.	2.5	6.3	4.2	
	N	10	10	10	
CHOLESTEROL (mg/dL)					
WEEK 13	MEAN	77.	64.	88.	
	S.D.	16.2	13.8	22.8	
	S.E.	5.1	4.4	7.2	
	N	10	10	10	
mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER					
None significantly different from control group					

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

PAGE 9

ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

CALCIUM (mg/dL)				
WEEK 13	MEAN	10.8	10.7	10.9
	S.D.	0.37	0.28	0.31
	S.E.	0.12	0.09	0.10
	N	10	10	10

CHLORIDE (mEq/L)				
WEEK 13	MEAN	102.	103.	103.
	S.D.	1.3	1.3	1.5
	S.E.	0.4	0.4	0.5
	N	10	10	10

PHOSPHORUS (mg/dL)				
WEEK 13	MEAN	6.3	6.6	6.4
	S.D.	0.84	0.79	1.16
	S.E.	0.27	0.25	0.37
	N	10	10	10

POTASSIUM (mEq/L)				
WEEK 13	MEAN	4.56	4.66	4.59
	S.D.	0.491	0.361	0.398
	S.E.	0.155	0.114	0.126
	N	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER				

None significantly different from control group				

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF SERUM CHEMISTRY VALUES

PAGE 10

		FEMALES		
ANALYSIS	GROUP:	CONTROL DIET	5% TEST DIET	15% TEST DIET
SODIUM (mEq/L)				
WEEK 13	MEAN	143.	144.	144.
	S.D.	1.4	1.4	1.8
	S.E.	0.4	0.4	0.6
	N	10	10	10
TRIGLYCERIDE (mg/dL)				
WEEK 13	MEAN	55.	53.	68.
	S.D.	17.7	26.2	48.1
	S.E.	5.6	8.3	15.2
	N	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER

None significantly different from control group

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 10 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF URINE QUANTITATIVE PARAMETERS

PAGE 1

ANALYSIS		MALES			
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET	

SPECIFIC GRAVITY					
WEEK 13	MEAN	1.032	1.047	1.043	
	S.D.	0.0131	0.0208	0.0153	
	S.E.	0.0042	0.0066	0.0048	
	N	10	10	10	
pH					
WEEK 13	MEAN	6.4	6.3	6.4	
	S.D.	0.34	0.26	0.39	
	S.E.	0.11	0.08	0.12	
	N	10	10	10	
UROBILINOGEN (mg/dL)					
WEEK 13	MEAN	0.3	0.4	0.3	
	S.D.	0.25	0.34	0.25	
	S.E.	0.08	0.11	0.08	
	N	10	10	10	
TOTAL VOLUME (mL)					
WEEK 13	MEAN	10.5	8.3	8.0	
	S.D.	6.02	8.62	3.59	
	S.E.	1.90	2.72	1.14	
	N	10	10	10	

None significantly different from control group					

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 10 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF URINE QUANTITATIVE PARAMETERS

PAGE 2

ANALYSIS		FEMALES		
GROUP:		CONTROL DIET	5% TEST DIET	15% TEST DIET

SPECIFIC GRAVITY				
WEEK 13	MEAN	1.046	1.052	1.045
	S.D.	0.0201	0.0305	0.0195
	S.E.	0.0064	0.0096	0.0062
	N	10	10	10
pH				
WEEK 13	MEAN	5.9	5.9	5.9
	S.D.	0.24	0.34	0.32
	S.E.	0.08	0.11	0.10
	N	10	10	10
UROBILINOGEN (mg/dL)				
WEEK 13	MEAN	0.3	1.1*	0.4
	S.D.	0.25	1.25	0.34
	S.E.	0.08	0.40	0.11
	N	10	10	10
TOTAL VOLUME (mL)				
WEEK 13	MEAN	4.5	5.3	4.1
	S.D.	4.12	4.50	1.79
	S.E.	1.30	1.42	0.57
	N	10	10	10

* = Significantly different from the control group at 0.05 using Dunnett's test

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TABLE 11 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MACROSCOPIC FINDINGS

PAGE 1

FOUND DEAD OR EUTHANIZED MORIBUND OR IN EXTREMIS

	-----	M A L E	-----	
GROUP:	1		2	3
NUMBER OF ANIMALS IN DOSE GROUP	20		20	20
NUMBER OF ANIMALS EXAMINED	0		0	0
NO SIGNIFICANT CHANGES OBSERVED - ALL EXAMINED TISSUES	0		0	0
1- CONTROL DIET	2- 5% TEST DIET	3- 15% TEST DIET		

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 11 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MACROSCOPIC FINDINGS

PAGE 2

FOUND DEAD OR EUTHANIZED MORIBUND OR IN EXTREMIS

	-----	F E M A L E	-----	
GROUP:	1		2	3
NUMBER OF ANIMALS IN DOSE GROUP	20		20	20
NUMBER OF ANIMALS EXAMINED	0		1	0
LUNGS				
-PALE	0		1	0
NO SIGNIFICANT CHANGES OBSERVED - ALL EXAMINED TISSUES	0		0	0
1- CONTROL DIET	2- 5% TEST DIET	3- 15% TEST DIET		

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TABLE 12 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MACROSCOPIC FINDINGS

PAGE 1

SCHEDULED NECROPSY

GROUP:	----- 1	M A L E -----	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20		20	20
NUMBER OF ANIMALS EXAMINED WEEK 13 (NECROPSY 1)	20		20	20
KIDNEYS				
-DILATED PELVIS	1		0	0
-AREA(S), DEPRESSED	1		1	2
LIVER				
-AREA(S), WHITE	1		0	0
LYMPH NODE, MAND				
-DISCOLORATION, DARK RED	0		2	0
STOMACH				
-CONTENTS, DARK RED	0		2	0
TEETH				
-FRACTURED	0		1	0
-MALALIGNED	0		1	0
THYMUS				
-AREA(S), DARK RED	4		2	4
THYROID GLANDS				
-SMALL	0		1	0
NO SIGNIFICANT CHANGES OBSERVED - ALL EXAMINED TISSUES	14		13	14
1- CONTROL DIET				
2- 5% TEST DIET				
3- 15% TEST DIET				

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 12 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MACROSCOPIC FINDINGS

PAGE 2

SCHEDULED NECROPSY

GROUP:	F E M A L E		
	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13 (NECROPSY 1)	20	19	20
ILEUM			
-DIVERTICULUM	0	0	1
KIDNEYS			
-AREA(S), DEPRESSED	0	1	1
LYMPH NODE, MAND			
-DISCOLORATION, DARK RED	0	1	0
LYMPH NODE, MED			
-ENLARGED	0	1	0
OVARIES			
-SMALL	1	0	0
OVIDUCTS			
-SMALL	1	0	0
PITUITARY			
-ENLARGED	0	0	1
STOMACH			
-CONTENTS, DARK RED	0	0	2
THYMUS			
-AREA(S), DARK RED	1	2	0
1- CONTROL DIET	2- 5% TEST DIET	3- 15% TEST DIET	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 12 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MACROSCOPIC FINDINGS

PAGE 3

SCHEDULED NECROPSY			
GROUP:	1	F E M A L E	2
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13 (NECROPSY 1)	20	19	20
THYROID GLANDS -SMALL	1	1	1
UTERUS -CONTENTS, CLEAR FLUID	5	4	3
NO SIGNIFICANT CHANGES OBSERVED - ALL EXAMINED TISSUES	12	13	12
1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET			

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TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 1

MALES				
GROUP:	CONTROL DIET	5% TEST DIET	15% TEST DIET	

FINAL BODY WT (G)				
MEAN	506.	502.	515.	
S.D.	41.4	40.4	48.0	
S.E.	9.3	9.0	10.7	
N	20	20	20	
ADRENAL GLANDS (G)				
MEAN	0.0636	0.0601	0.0629	
S.D.	0.00876	0.00781	0.00904	
S.E.	0.00196	0.00175	0.00202	
N	20	20	20	
ADRENAL GLANDS (G/100 G FINAL BODY WEIGHT)				
MEAN	0.013	0.012	0.012	
S.D.	0.0023	0.0017	0.0016	
S.E.	0.0005	0.0004	0.0004	
N	20	20	20	
ADRENAL GLANDS (G/100 G BRAIN)				
MEAN	3.005	2.803	2.943	
S.D.	0.4547	0.3767	0.4248	
S.E.	0.1017	0.0842	0.0950	
N	20	20	20	
BRAIN (G)				
MEAN	2.12	2.15	2.14	
S.D.	0.111	0.111	0.100	
S.E.	0.025	0.025	0.022	
N	20	20	20	

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 2

MALES				
GROUP:	CONTROL DIET	5% TEST DIET	15% TEST DIET	

BRAIN (G/100 G FINAL BODY WEIGHT)				
MEAN	0.421	0.429	0.418	
S.D.	0.0332	0.0226	0.0382	
S.E.	0.0074	0.0051	0.0085	
N	20	20	20	
EPIDIDYMITES (G)				
MEAN	1.43	1.40	1.41	
S.D.	0.118	0.138	0.115	
S.E.	0.026	0.031	0.026	
N	20	20	20	
EPIDIDYMITES (G/100 G FINAL BODY WEIGHT)				
MEAN	0.284	0.280	0.276	
S.D.	0.0310	0.0270	0.0262	
S.E.	0.0069	0.0060	0.0059	
N	20	20	20	
EPIDIDYMITES (G/100 G BRAIN)				
MEAN	67.463	65.228	66.059	
S.D.	5.8851	5.6356	5.3508	
S.E.	1.3160	1.2602	1.1965	
N	20	20	20	
HEART (G)				
MEAN	1.60	1.63	1.71	
S.D.	0.151	0.126	0.209	
S.E.	0.034	0.028	0.047	
N	20	20	20	

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 3

GROUP:		MALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
HEART (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.317	0.325	0.333
	S.D.	0.0208	0.0227	0.0313
	S.E.	0.0047	0.0051	0.0070
	N	20	20	20
HEART (G/100 G BRAIN)				
	MEAN	75.692	75.925	80.046
	S.D.	7.1855	4.9465	9.6839
	S.E.	1.6067	1.1061	2.1654
	N	20	20	20
KIDNEYS (G)				
	MEAN	3.74	3.65	3.93
	S.D.	0.383	0.377	0.385
	S.E.	0.086	0.084	0.086
	N	20	20	20
KIDNEYS (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.739	0.727	0.764
	S.D.	0.0603	0.0521	0.0438
	S.E.	0.0135	0.0117	0.0098
	N	20	20	20
KIDNEYS (G/100 G BRAIN)				
	MEAN	176.214	169.808	183.787
	S.D.	16.7555	13.7017	16.9333
	S.E.	3.7466	3.0638	3.7864
	N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 4

GROUP:		MALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
LIVER (G)	MEAN	14.75	14.16	14.97
	S.D.	1.691	1.770	1.980
	S.E.	0.378	0.396	0.443
	N	20	20	20
LIVER (G/100 G FINAL BODY WEIGHT)	MEAN	2.910	2.819	2.901
	S.D.	0.2145	0.2170	0.1750
	S.E.	0.0480	0.0485	0.0391
	N	20	20	20
LIVER (G/100 G BRAIN)	MEAN	695.000	658.885	700.509
	S.D.	72.1348	62.8227	89.3635
	S.E.	16.1298	14.0476	19.9823
	N	20	20	20
SPLEEN (G)	MEAN	0.76	0.78	0.79
	S.D.	0.102	0.097	0.111
	S.E.	0.023	0.022	0.025
	N	20	20	20
SPLEEN (G/100 G FINAL BODY WEIGHT)	MEAN	0.149	0.157	0.154
	S.D.	0.0130	0.0198	0.0220
	S.E.	0.0029	0.0044	0.0049
	N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 5

GROUP:		MALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
SPLEEN (G/100 G BRAIN)				
	MEAN	35.647	36.546	37.124
	S.D.	4.6758	4.7638	5.7279
	S.E.	1.0455	1.0652	1.2808
	N	20	20	20
TESTES (G)				
	MEAN	3.56	3.48	3.61
	S.D.	0.260	0.310	0.439
	S.E.	0.058	0.069	0.098
	N	20	20	20
TESTES (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.706	0.696	0.702
	S.D.	0.0563	0.0663	0.0578
	S.E.	0.0126	0.0148	0.0129
	N	20	20	20
TESTES (G/100 G BRAIN)				
	MEAN	168.207	162.246	168.951
	S.D.	12.2698	12.6437	19.4014
	S.E.	2.7436	2.8272	4.3383
	N	20	20	20
THYMUS (G)				
	MEAN	0.3224	0.3416	0.3162
	S.D.	0.09579	0.08432	0.07142
	S.E.	0.02142	0.01885	0.01597
	N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 6

GROUP:	MALES		
	CONTROL DIET	5% TEST DIET	15% TEST DIET
THYMUS (G/100 G FINAL BODY WEIGHT)			
MEAN	0.063	0.069	0.061
S.D.	0.0168	0.0184	0.0119
S.E.	0.0038	0.0041	0.0027
N	20	20	20
THYMUS (G/100 G BRAIN)			
MEAN	15.205	16.011	14.780
S.D.	4.4201	4.2671	3.2174
S.E.	0.9884	0.9541	0.7194
N	20	20	20
THYROID/ PARA. (G)			
MEAN	0.0208	0.0201	0.0210
S.D.	0.00280	0.00286	0.00308
S.E.	0.00063	0.00064	0.00069
N	20	20	20
THYROID/ PARA. (G/100 G FINAL BODY WEIGHT)			
MEAN	0.004	0.004	0.004
S.D.	0.0006	0.0006	0.0007
S.E.	0.0001	0.0001	0.0002
N	20	20	20
THYROID/ PARA. (G/100 G BRAIN)			
MEAN	0.982	0.935	0.982
S.D.	0.1342	0.1130	0.1432
S.E.	0.0300	0.0253	0.0320
N	20	20	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 7

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
FINAL BODY WT (G)				
	MEAN	275.	276.	275.
	S.D.	28.9	18.1	17.4
	S.E.	6.5	4.2	3.9
	N	20	19	20
ADRENAL GLANDS (G)				
	MEAN	0.0680	0.0718	0.0705
	S.D.	0.00715	0.01024	0.00994
	S.E.	0.00160	0.00235	0.00222
	N	20	19	20
ADRENAL GLANDS (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.025	0.026	0.026
	S.D.	0.0028	0.0035	0.0029
	S.E.	0.0006	0.0008	0.0007
	N	20	19	20
ADRENAL GLANDS (G/100 G BRAIN)				
	MEAN	3.454	3.723	3.674
	S.D.	0.3231	0.4578	0.5010
	S.E.	0.0722	0.1050	0.1120
	N	20	19	20
BRAIN (G)				
	MEAN	1.97	1.93	1.92
	S.D.	0.115	0.123	0.113
	S.E.	0.026	0.028	0.025
	N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 8

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET

BRAIN (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.721	0.701	0.700
	S.D.	0.0647	0.0553	0.0480
	S.E.	0.0145	0.0127	0.0107
	N	20	19	20
HEART (G)				
	MEAN	1.06	1.12	1.09
	S.D.	0.087	0.110	0.118
	S.E.	0.019	0.025	0.026
	N	20	19	20
HEART (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.386	0.407	0.396
	S.D.	0.0336	0.0534	0.0356
	S.E.	0.0075	0.0122	0.0080
	N	20	19	20
HEART (G/100 G BRAIN)				
	MEAN	53.742	58.106	56.919
	S.D.	4.8699	6.8309	7.7838
	S.E.	1.0889	1.5671	1.7405
	N	20	19	20
KIDNEYS (G)				
	MEAN	2.10	2.13	2.12
	S.D.	0.222	0.132	0.223
	S.E.	0.050	0.030	0.050
	N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 9

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET
KIDNEYS (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.764	0.775	0.770
	S.D.	0.0476	0.0538	0.0552
	S.E.	0.0106	0.0123	0.0123
	N	20	19	20
KIDNEYS (G/100 G BRAIN)				
	MEAN	106.695	110.878	110.745
	S.D.	10.1177	6.3750	13.2108
	S.E.	2.2624	1.4625	2.9540
	N	20	19	20
LIVER (G)				
	MEAN	8.03	8.07	8.12
	S.D.	0.903	0.688	1.036
	S.E.	0.202	0.158	0.232
	N	20	19	20
LIVER (G/100 G FINAL BODY WEIGHT)				
	MEAN	2.924	2.928	2.949
	S.D.	0.2338	0.2105	0.2727
	S.E.	0.0523	0.0483	0.0610
	N	20	19	20
LIVER (G/100 G BRAIN)				
	MEAN	408.696	419.443	424.527
	S.D.	48.1448	35.9411	61.5269
	S.E.	10.7655	8.2455	13.7578
	N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 10

GROUP:	FEMALES		
	CONTROL DIET	5% TEST DIET	15% TEST DIET
OVARIES/OVIDUCTS (G)			
MEAN	0.1300	0.1403	0.1371
S.D.	0.02414	0.01936	0.02068
S.E.	0.00540	0.00444	0.00462
N	20	19	20
OVARIES/OVIDUCTS (G/100 G FINAL BODY WEIGHT)			
MEAN	0.048	0.051	0.050
S.D.	0.0090	0.0062	0.0072
S.E.	0.0020	0.0014	0.0016
N	20	19	20
OVARIES/OVIDUCTS (G/100 G BRAIN)			
MEAN	6.619	7.292	7.137
S.D.	1.2583	0.9959	0.9821
S.E.	0.2814	0.2285	0.2196
N	20	19	20
SPLEEN (G)			
MEAN	0.54	0.51	0.53
S.D.	0.102	0.063	0.086
S.E.	0.023	0.014	0.019
N	20	19	20
SPLEEN (G/100 G FINAL BODY WEIGHT)			
MEAN	0.196	0.186	0.193
S.D.	0.0345	0.0196	0.0275
S.E.	0.0077	0.0045	0.0062
N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 11

GROUP:	FEMALES		
	CONTROL DIET	5% TEST DIET	15% TEST DIET
SPLEEN (G/100 G BRAIN)			
MEAN	27.352	26.645	27.718
S.D.	5.6922	3.2541	4.5931
S.E.	1.2728	0.7465	1.0271
N	20	19	20
THYMUS (G)			
MEAN	0.2891	0.2874	0.2681
S.D.	0.07896	0.06221	0.05101
S.E.	0.01766	0.01427	0.01141
N	20	19	20
THYMUS (G/100 G FINAL BODY WEIGHT)			
MEAN	0.105	0.104	0.098
S.D.	0.0238	0.0193	0.0174
S.E.	0.0053	0.0044	0.0039
N	20	19	20
THYMUS (G/100 G BRAIN)			
MEAN	14.692	14.938	13.957
S.D.	4.0417	3.2004	2.5164
S.E.	0.9037	0.7342	0.5627
N	20	19	20
THYROID/ PARA. (G)			
MEAN	0.0157	0.0144	0.0155
S.D.	0.00290	0.00175	0.00209
S.E.	0.00065	0.00040	0.00047
N	20	19	20

None significantly different from control group

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF ORGAN WEIGHTS AND RELATIVE ORGAN WEIGHTS

PAGE 12

GROUP:		FEMALES		
		CONTROL DIET	5% TEST DIET	15% TEST DIET

THYROIDS/PARA. (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.006	0.005	0.006
	S.D.	0.0009	0.0006	0.0010
	S.E.	0.0002	0.0001	0.0002
	N	20	19	20
THYROIDS/PARA. (G/100 G BRAIN)				
	MEAN	0.797	0.750	0.811
	S.D.	0.1487	0.1031	0.1232
	S.E.	0.0332	0.0237	0.0276
	N	20	19	20
UTERUS (G)				
	MEAN	0.72	0.69	0.68
	S.D.	0.293	0.249	0.207
	S.E.	0.065	0.057	0.046
	N	20	19	20
UTERUS (G/100 G FINAL BODY WEIGHT)				
	MEAN	0.263	0.249	0.247
	S.D.	0.1056	0.0843	0.0742
	S.E.	0.0236	0.0194	0.0166
	N	20	19	20
UTERUS (G/100 G BRAIN)				
	MEAN	36.864	35.329	35.445
	S.D.	16.4446	11.0682	10.5442
	S.E.	3.6771	2.5392	2.3577
	N	20	19	20

None significantly different from control group

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 14 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 1

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED	0	0	0

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 14 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 2

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED	0	1	0
ADRENAL CORTEX			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
ADRENAL MEDULLA			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
BRAIN			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
CAUSE OF DEATH			
TOTAL NUMBER EXAMINED	NA	1	NA
EXAMINED, UNREMARKABLE	NA	0	NA
-UNDETERMINED	NA	1	NA
PRESENT	NA	1	NA
COLON			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 14 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 3

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED	0	1	0
DUODENUM			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
HEART			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
ILEUM			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
JEJUNUM			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
KIDNEYS			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
LIVER			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 14 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 4

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED	0	1	0
LUNGS			
TOTAL NUMBER EXAMINED	NA	1	NA
EXAMINED, UNREMARKABLE	NA	0	NA
-HEMORRHAGE	NA	1	NA
MILD	NA	1	NA
LYMPH NODE, MES			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
NERVE, SCIATIC			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
OVARIES			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
OVIDUCTS			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 14 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 5

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED	0	1	0
PANCREAS			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
PARATHYROIDES			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
RECTUM			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
SPINAL CORD			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
SPLEEN			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
STOMACH, GLAND			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 14 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 6

----- FEMALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED	0	1	0
STOMACH, NON			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
THYMUS			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	1	0
THYROID GLANDS			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	0	0
-CYST, ULTIMOBRANCHIAL	0	1	0
PRESENT	NONE	1	NONE
UTERUS			
TOTAL NUMBER EXAMINED	0	1	0
EXAMINED, UNREMARKABLE	0	0	0
-DILATATION, LUMEN	0	1	0
MILD	NONE	1	NONE

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 1

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
ADRENAL CORTEX			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
ADRENAL MEDULLA			
TOTAL NUMBER EXAMINED	20	NA	19
EXAMINED, UNREMARKABLE	20	NA	19
NOT PRESENT FOR EXAMINATION	0	NA	1
BRAIN			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
COLON			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	19
-INFILTRATE, MONONUCLEAR	0	NA	1
MINIMAL	NONE	NA	1
DUODENUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 2

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
EPIDIDYMIDES			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	15
-INFILTRATE, LYMPHOCYTE	1	NA	4
MINIMAL	1	NA	4
-INFLAMMATION, PYOGRANULOMATOUS	0	NA	1
MINIMAL	NONE	NA	1
HEART			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	16	NA	16
-CARDIOMYOPATHY	4	NA	4
MINIMAL	4	NA	4
ILEUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	18	NA	18
-DILATATION, CRYPTS	2	NA	2
MINIMAL	2	NA	2
JEJUNUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 3

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
KIDNEYS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	4	NA	7
-BASOPHILIC TUBULES	6	NA	4
MINIMAL	6	NA	4
-DILATATION, PELVIS	1	NA	0
MINIMAL	1	NA	NONE
-GLOMERULONEPHRITIS	1	NA	0
MINIMAL	1	NA	NONE
-INFILTRATE, LYMPHOCYTE	5	NA	2
MINIMAL	5	NA	2
-MINERALIZATION, CORTICAL	1	NA	0
MINIMAL	1	NA	NONE
-NEPHROPATHY, CHRONIC PROGRESSIVE	7	NA	7
MINIMAL	7	NA	6
MILD	NONE	NA	1
LIVER			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	3	NA	3
-FIBROSIS, CAPSULAR	1	NA	0
MINIMAL	1	NA	NONE
-INFLAMMATION, NECROTIZING	1	NA	0
MODERATE	1	NA	NONE

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF MICROSCOPIC FINDINGS

PAGE 4

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
LIVER - CONTINUED			
-INFLAMMATION, SUBACUTE	16	NA	17
MINIMAL	16	NA	17
LYMPH NODE, MES			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	18
-HEMORRHAGE	0	NA	1
MILD	NONE	NA	1
-HISTIOCYTOSIS, SINUS	1	NA	1
MINIMAL	NONE	NA	1
MILD	1	NA	NONE
NERVE, SCIATIC			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
PANCREAS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	14	NA	17
-ATROPHY, ACINAR	1	NA	0
MILD	1	NA	NONE
-INFILTRATE, LYMPHOCYTE	2	NA	1
MINIMAL	2	NA	1

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
 NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
 NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF MICROSCOPIC FINDINGS

PAGE 5

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
PANCREAS - CONTINUED			
-INFILTRATE, MONONUCLEAR	1	NA	1
MINIMAL	1	NA	1
-INFLAMMATION, CHRONIC	2	NA	1
MINIMAL	1	NA	NONE
MILD	1	NA	1
PARATHYROIDES			
TOTAL NUMBER EXAMINED	19	NA	19
EXAMINED, UNREMARKABLE	19	NA	19
NOT PRESENT FOR EXAMINATION	1	NA	1
RECTUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	20
-INFLAMMATION, ACUTE	1	NA	0
MINIMAL	1	NA	NONE
SPINAL CORD			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
 NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
 NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 6

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
SPLEEN			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
STOMACH, GLAN			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
STOMACH, NON			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	20
-INFLAMMATION, SUBACUTE	1	NA	0
MINIMAL	1	NA	NONE
TESTES			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	19
-DEGENERATION, SEMINIFEROUS TUBULES	0	NA	1
MINIMAL	NONE	NA	1
THYMUS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	11	NA	16
-HEMORRHAGE	9	NA	4
MINIMAL	9	NA	4

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 7

----- MALE -----			
GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
THYMUS - CONTINUED			
THYROID GLANDS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	15	NA	16
-CYST, ULTIMOBRANCHIAL	5	NA	4
PRESENT	5	NA	4
-ECTOPIC THYMUS	0	NA	1
PRESENT	NONE	NA	1

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 8

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
ADRENAL CORTEX			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
ADRENAL MEDULLA			
TOTAL NUMBER EXAMINED	18	NA	18
EXAMINED, UNREMARKABLE	18	NA	18
NOT PRESENT FOR EXAMINATION	2	NA	2
BRAIN			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
COLON			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
DUODENUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
HEART			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	18
-CARDIOMYOPATHY	0	NA	2
MINIMAL	NONE	NA	2

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 9

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
HEART - CONTINUED			
-INFILTRATE, MONONUCLEAR	1	NA	0
MINIMAL	1	NA	NONE
ILEUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	18
-DIVERTICULUM	0	NA	1
PRESENT	NONE	NA	1
-FIBROSIS	0	NA	1
MINIMAL	NONE	NA	1
JEJUNUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
KIDNEYS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	12	NA	7
-ATROPHY	1	NA	0
MINIMAL	1	NA	NONE
-BASOPHILIC TUBULES	0	NA	1
MINIMAL	NONE	NA	1
-DILATATION, TUBULAR	0	NA	2
MINIMAL	NONE	NA	1
MILD	NONE	NA	1

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 10

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
KIDNEYS - CONTINUED			
-INFILTRATE, LYMPHOCYTE	2	NA	5
MINIMAL	2	NA	5
-MINERALIZATION, MEDULLARY	1	NA	0
MINIMAL	1	NA	NONE
-MINERALIZATION, PAPILLARY	0	NA	3
MINIMAL	NONE	NA	3
-NEPHROPATHY, CHRONIC PROGRESSIVE	5	NA	5
MINIMAL	5	NA	5
LIVER			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	3	NA	4
-INFLAMMATION, SUBACUTE	17	NA	15
MINIMAL	17	NA	15
-NECROSIS, HEPATOCELLULAR	0	NA	1
MINIMAL	NONE	NA	1
LYMPH NODE, MES			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF MICROSCOPIC FINDINGS

PAGE 11

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
NERVE, SCIATIC			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
OVARIES			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	20
-HYPOPLASIA	1	NA	0
PRESENT	1	NA	NONE
OVIDUCTS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	19	NA	20
-HYPOPLASIA	1	NA	0
PRESENT	1	NA	NONE
PANCREAS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	18	NA	18
-INFILTRATE, LYMPHOCYTE	2	NA	2
MINIMAL	2	NA	2

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
 NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
 NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 12

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
PARATHYROIDS			
TOTAL NUMBER EXAMINED	19	NA	17
EXAMINED, UNREMARKABLE	19	NA	17
NOT PRESENT FOR EXAMINATION	1	NA	3
PITUITARY			
TOTAL NUMBER EXAMINED	NA	NA	1
EXAMINED, UNREMARKABLE	NA	NA	0
-HYPERPLASIA, PARS DISTALIS	NA	NA	1
MINIMAL	NA	NA	1
RECTUM			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	19
-INFLAMMATION, SUBACUTE	0	NA	1
MINIMAL	NONE	NA	1
SPINAL CORD			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
SPLEEN			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	18
-PIGMENT, HEMOSIDERIN	0	NA	2
MILD	NONE	NA	2

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE 15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF MICROSCOPIC FINDINGS

PAGE 13

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
STOMACH, GLAN			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	20
STOMACH, NON			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	20	NA	19
-INFLAMMATION, SUBACUTE	0	NA	1
MILD	NONE	NA	1
THYMUS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	15	NA	16
-HEMORRHAGE	5	NA	4
MINIMAL	5	NA	4
THYROID GLANDS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	11	NA	13
-CYST, ULTIMOBRANCHIAL	7	NA	6
PRESENT	7	NA	6
-ECTOPIC THYMUS	3	NA	1
PRESENT	3	NA	1

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE 15 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 SUMMARY OF MICROSCOPIC FINDINGS

PAGE 14

----- FEMALE -----

GROUP:	1	2	3
NUMBER OF ANIMALS IN DOSE GROUP	20	20	20
NUMBER OF ANIMALS EXAMINED WEEK 13	20	0	20
UTERUS			
TOTAL NUMBER EXAMINED	20	NA	20
EXAMINED, UNREMARKABLE	15	NA	16
-DILATATION, LUMEN	5	NA	4
MINIMAL	NONE	NA	1
MILD	3	NA	2
MODERATE	2	NA	1

1- CONTROL DIET 2- 5% TEST DIET 3- 15% TEST DIET
 NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING 2-TAILED FISHER'S EXACT TEST.
 NA = NOT APPLICABLE

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 04/09/2008

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX A

Individual Animal Data

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SURVIVAL AND DISPOSITION

PAGE 1

ANIMAL	SEX	GROUP		TYPE OF DEATH		AGE IN WEEKS A	DATE OF DEATH	DAYS ON STUDY
6357	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6358	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6360	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6365	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6368	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6369	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6375	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6380	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6383	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6384	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6385	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6392	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6394	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6395	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6397	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6399	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6400	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6406	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6415	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6419	M	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6350	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6353	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6354	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6356	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6371	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6372	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6374	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6376	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6378	M	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91

A = CALCULATED TO THE NEAREST WHOLE WEEK USING THE MEAN AGE IN WEEKS AT INITIATION OF DOSING (6)

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SURVIVAL AND DISPOSITION

PAGE 2

ANIMAL	SEX	GROUP	TYPE OF DEATH	AGE IN WEEKS A	DATE OF DEATH	DAYS ON STUDY
6379	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6382	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6386	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6387	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6393	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6402	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6407	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6408	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6411	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6412	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6413	M	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6351	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6352	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6359	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6361	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6362	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6363	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6364	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6366	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6367	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6370	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6373	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6377	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6381	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6388	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6389	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6391	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6405	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6410	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92

A = CALCULATED TO THE NEAREST WHOLE WEEK USING THE MEAN AGE IN WEEKS AT INITIATION OF DOSING (6)

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SURVIVAL AND DISPOSITION

PAGE 3

ANIMAL	SEX	GROUP	TYPE OF DEATH	AGE IN WEEKS A	DATE OF DEATH	DAYS ON STUDY
6414	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6416	M	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92

A = CALCULATED TO THE NEAREST WHOLE WEEK USING THE MEAN AGE IN WEEKS AT INITIATION OF DOSING (6)

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SURVIVAL AND DISPOSITION

PAGE 4

ANIMAL	SEX	GROUP		TYPE OF DEATH		AGE IN WEEKS A	DATE OF DEATH	DAYS ON STUDY
6422	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6430	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6435	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6436	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6440	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6442	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6443	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6445	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6452	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6453	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6454	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6457	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6458	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6459	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6460	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6466	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6476	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6479	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6480	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6484	F	CONTROL	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6421	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6426	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6431	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6433	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6437	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6449	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6450	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	04-JAN-08	92
6451	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91
6455	F	5% TEST	DIET	SCHEDULED	EUTHANASIA	19	03-JAN-08	91

A = CALCULATED TO THE NEAREST WHOLE WEEK USING THE MEAN AGE IN WEEKS AT INITIATION OF DOSING (6)

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SURVIVAL AND DISPOSITION

PAGE 5

ANIMAL	SEX	GROUP	TYPE OF DEATH	AGE IN WEEKS A	DATE OF DEATH	DAYS ON STUDY
6456	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6461	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6462	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6465	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6471	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6475	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6478	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6482	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6483	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6487	F	5% TEST DIET	FOUND DEAD	14	03-DEC-07	60
6488	F	5% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6420	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6423	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6424	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6425	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6427	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6428	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6429	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6432	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6434	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6441	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6444	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6447	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6463	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6469	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92
6470	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6473	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6477	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6481	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	04-JAN-08	92

A = CALCULATED TO THE NEAREST WHOLE WEEK USING THE MEAN AGE IN WEEKS AT INITIATION OF DOSING (6)

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A1
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SURVIVAL AND DISPOSITION

PAGE 6

ANIMAL	SEX	GROUP	TYPE OF DEATH	AGE IN WEEKS A	DATE OF DEATH	DAYS ON STUDY
6486	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91
6489	F	15% TEST DIET	SCHEDULED EUTHANASIA	19	03-JAN-08	91

A = CALCULATED TO THE NEAREST WHOLE WEEK USING THE MEAN AGE IN WEEKS AT INITIATION OF DOSING (6)

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03/06/2008

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 1

STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6357 M	CONTROL DIET	NORMAL	0	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	12:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	12:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6357 M	CONTROL DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6357 M	CONTROL DIET	ORAL/DENTAL	56	9:52	P	LOWER INCISOR(S) LONG, TRIMMED
			91	7:11	P	UPPER INCISOR(S) BROKEN
6358 M	CONTROL DIET	NORMAL	0	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	12:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	9:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	12:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6360 M	CONTROL DIET	NORMAL	0	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 2

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6360	M	CONTROL DIET	NORMAL	7	11:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6365	M	CONTROL DIET	NORMAL	0	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6365	M	CONTROL DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6368	M	CONTROL DIET	NORMAL	0	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 3

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6368	M	CONTROL DIET	NORMAL	14	9:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6369	M	CONTROL DIET	NORMAL	0	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6375	M	CONTROL DIET	NORMAL	0	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6375 M	CONTROL DIET	NORMAL	35	13:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			91	7:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6375 M	CONTROL DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6380 M	CONTROL DIET	NORMAL	0	10:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	12:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	9:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			91	7:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6380 M	CONTROL DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6383 M	CONTROL DIET	NORMAL	0	10:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	12:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 5

STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6383 M	CONTROL DIET	NORMAL	28	9:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			0	10:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6384 M	CONTROL DIET	NORMAL	7	11:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	12:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6384 M	CONTROL DIET	DISPOSITION	77	9:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			91	7:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6385 M	CONTROL DIET	NORMAL	0	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	12:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 6

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6385	M	CONTROL DIET	NORMAL	35	13:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6392	M	CONTROL DIET	NORMAL	0	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6394	M	CONTROL DIET	NORMAL	0	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6394	M	CONTROL DIET	NORMAL	56	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6395	M	CONTROL DIET	NORMAL	0	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6395	M	CONTROL DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6397	M	CONTROL DIET	NORMAL	0	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 8

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6397	M	CONTROL DIET	NORMAL	63	9:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6397	M	CONTROL DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6399	M	CONTROL DIET	NORMAL	0	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6399	M	CONTROL DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6400	M	CONTROL DIET	NORMAL	0	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6400	M	CONTROL DIET	NORMAL	56	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6406	M	CONTROL DIET	NORMAL	0	10:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6406	M	CONTROL DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6415	M	CONTROL DIET	NORMAL	0	10:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6415	M	CONTROL DIET	NORMAL	63	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6415	M	CONTROL DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6419	M	CONTROL DIET	NORMAL	0	10:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6350	M	5% TEST DIET	NORMAL	0	11:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6350	M	5% TEST DIET	NORMAL	77	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6350	M	5% TEST DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6350	M	5% TEST DIET	EYES/EARS/NOSE	49	10:27	P	DRIED RED MATERIAL AROUND RIGHT EYE
6353	M	5% TEST DIET	NORMAL	0	11:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6354	M	5% TEST DIET	NORMAL	0	11:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6354	M	5% TEST DIET	NORMAL	84	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6354	M	5% TEST DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6354	M	5% TEST DIET	BODY/INTEGUMENT	56	10:18	P	HAIR LOSS FORELIMB(S)
6356	M	5% TEST DIET	NORMAL	0	11:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6371	M	5% TEST DIET	NORMAL	0	11:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6371	M	5% TEST DIET	NORMAL	84	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6371	M	5% TEST DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6372	M	5% TEST DIET	NORMAL	0	11:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6374	M	5% TEST DIET	NORMAL	0	11:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6374	M	5% TEST DIET	DISPOSITION	91	7:55	P	PRIMARY NECROPSY (WEEK 13)
6374	M	5% TEST DIET	BODY/INTEGUMENT	21	13:10	P	HAIR LOSS FORELIMB(S)

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6374 M	5% TEST DIET	BODY/INTEGUMENT	42	10:28	P	HAIR LOSS FORELIMB(S)
			56	10:20	P	HAIR LOSS FORELIMB(S)
6376 M	5% TEST DIET	NORMAL	0	11:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	10:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6378 M	5% TEST DIET	NORMAL	0	11:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	11:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			91	7:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6378 M	5% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6378 M	5% TEST DIET	BODY/INTEGUMENT	28	9:55	P	HAIR LOSS FORELIMB(S)

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6378	M	5% TEST DIET	BODY/INTEGUMENT	35	13:36	P	HAIR LOSS FORELIMB(S)
6379	M	5% TEST DIET	NORMAL	0	11:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6382	M	5% TEST DIET	NORMAL	0	11:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6386	M	5% TEST DIET	NORMAL	0	11:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6386	M	5% TEST DIET	NORMAL	14	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6386	M	5% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6386	M	5% TEST DIET	EYES/EARS/NOSE	21	13:14	P	DRIED RED MATERIAL AROUND NOSE
6387	M	5% TEST DIET	NORMAL	0	11:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6387	M	5% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6387	M	5% TEST DIET	EYES/EARS/NOSE	42	10:33	P	CLEAR DISCHARGE RIGHT EYE
				42	10:33	P	DRIED RED MATERIAL AROUND RIGHT EYE
				49	10:30	P	DRIED RED MATERIAL AROUND RIGHT EYE
				56	10:24	P	CLEAR DISCHARGE RIGHT EYE
				56	10:24	P	DRIED RED MATERIAL AROUND RIGHT EYE
				63	10:08	P	DRIED RED MATERIAL AROUND RIGHT EYE
				77	9:45	P	DRIED RED MATERIAL AROUND RIGHT EYE
				77	9:45	P	RED DISCHARGE RIGHT EYE
				84	10:21	P	DRIED RED MATERIAL AROUND RIGHT EYE

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6387	M	5% TEST DIET	EYES/EARS/NOSE	84	10:21	P	RED DISCHARGE RIGHT EYE
				91	7:23	P	RED DISCHARGE RIGHT EYE
				91	7:23	P	DRIED RED MATERIAL AROUND RIGHT EYE
6387	M	5% TEST DIET	ORAL/DENTAL	42	10:34	P	UPPER INCISOR(S) MALALIGNED
				56	10:25	P	LOWER INCISOR(S) LONG, TRIMMED
				63	10:08	P	LOWER INCISOR(S) LONG, TRIMMED
				63	10:08	P	UPPER INCISOR(S) MALALIGNED
				70	8:41	P	UPPER INCISOR(S) BROKEN
				70	8:41	P	UPPER INCISOR(S) MALALIGNED
				74	14:43	P	LOWER INCISOR(S) LONG, TRIMMED
				77	9:44	P	UPPER INCISOR(S) MALALIGNED
				77	9:45	P	LOWER INCISOR(S) LONG, TRIMMED
				84	10:21	P	UPPER INCISOR(S) BROKEN
				84	10:21	P	UPPER INCISOR(S) MALALIGNED
				84	10:21	P	LOWER INCISOR(S) LONG, TRIMMED
				91	7:23	P	UPPER INCISOR(S) BROKEN
6393	M	5% TEST DIET	NORMAL	0	11:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6393	M	5% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6393	M	5% TEST DIET	EYES/EARS/NOSE	70	8:43	P	RED DISCHARGE LEFT EYE
				70	8:43	P	DRIED RED MATERIAL AROUND LEFT EYE

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6393	M	5% TEST DIET	EYES/EARS/NOSE	77	9:46	P	DRIED RED MATERIAL AROUND LEFT EYE
				77	9:46	P	RED DISCHARGE LEFT EYE
				84	10:24	P	RED DISCHARGE LEFT EYE
				84	10:24	P	DRIED RED MATERIAL AROUND LEFT EYE
				91	7:25	P	RED DISCHARGE RIGHT EYE
				91	7:25	P	DRIED RED MATERIAL AROUND RIGHT EYE
6393	M	5% TEST DIET	EXCRETA	77	9:46	P	SOFT FECES
6393	M	5% TEST DIET	ORAL/DENTAL	69	10:40	P	LOWER INCISOR(S) LONG, TRIMMED
				70	8:43	P	UPPER INCISOR(S) MALALIGNED
				70	8:43	P	UPPER INCISOR(S) BROKEN
				77	9:45	P	UPPER INCISOR(S) BROKEN
				77	9:46	P	UPPER INCISOR(S) MALALIGNED
				77	9:46	P	LOWER INCISOR(S) LONG, TRIMMED
				84	10:24	P	UPPER INCISOR(S) BROKEN
				84	10:24	P	UPPER INCISOR(S) MALALIGNED
				84	10:24	P	LOWER INCISOR(S) LONG, TRIMMED
				91	7:25	P	UPPER INCISOR(S) MISSING
				91	7:25	P	UPPER INCISOR(S) MALALIGNED
6402	M	5% TEST DIET	NORMAL	0	11:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6402	M	5% TEST DIET	NORMAL	84	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6402	M	5% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6402	M	5% TEST DIET	BODY/INTEGUMENT	56	10:26	P	HAIR LOSS FORELIMB(S)
6407	M	5% TEST DIET	NORMAL	0	11:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6407	M	5% TEST DIET	EYES/EARS/NOSE	28	9:58	P	DRIED RED MATERIAL AROUND LEFT EYE
				35	13:42	P	DRIED RED MATERIAL AROUND LEFT EYE
				42	10:36	P	OPACITY LEFT EYE
6407	M	5% TEST DIET	ORAL/DENTAL	28	9:58	P	UPPER INCISOR(S) MALALIGNED
				28	9:58	P	LOWER INCISOR(S) LONG, TRIMMED
				35	13:43	P	UPPER INCISOR(S) MALALIGNED
				35	13:43	P	LOWER INCISOR(S) LONG, TRIMMED
				42	10:36	P	UPPER INCISOR(S) MALALIGNED
				44	8:30	P	LOWER INCISOR(S) LONG, TRIMMED
				44	8:30	P	UPPER INCISOR(S) LONG, TRIMMED
				56	10:26	P	UPPER INCISOR(S) BROKEN
				56	10:27	P	UPPER INCISOR(S) MALALIGNED
				63	10:10	P	LOWER INCISOR(S) LONG, TRIMMED
				63	10:10	P	UPPER INCISOR(S) MISSING
				70	8:44	P	UPPER INCISOR(S) BROKEN
				70	8:45	P	UPPER INCISOR(S) MALALIGNED
				76	10:02	P	LOWER INCISOR(S) LONG, TRIMMED
6408	M	5% TEST DIET	NORMAL	0	11:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6408	M	5% TEST DIET	NORMAL	7	11:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6411	M	5% TEST DIET	NORMAL	0	11:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6411	M	5% TEST DIET	EYES/EARS/NOSE	70	8:47	P	DRIED RED MATERIAL AROUND NOSE
6412	M	5% TEST DIET	NORMAL	0	11:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6412	M	5% TEST DIET	NORMAL	28	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6412	M	5% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6412	M	5% TEST DIET	ORAL/DENTAL	63	10:11	P	LOWER INCISOR(S) LONG, TRIMMED
6413	M	5% TEST DIET	NORMAL	0	11:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6413	M	5% TEST DIET	EYES/EARS/NOSE	21	13:20	P	DRIED RED MATERIAL AROUND NOSE
6351	M	15% TEST DIET	NORMAL	0	11:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6351	M	15% TEST DIET	NORMAL	35	14:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6351	M	15% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6351	M	15% TEST DIET	EYES/EARS/NOSE	56	10:41	P	COMPLETE CLOSURE RIGHT EYE
6352	M	15% TEST DIET	NORMAL	0	11:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6352	M	15% TEST DIET	EYES/EARS/NOSE	21	13:40	P	DRIED RED MATERIAL AROUND NOSE
6359	M	15% TEST DIET	NORMAL	0	11:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6359	M	15% TEST DIET	NORMAL	42	10:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6361	M	15% TEST DIET	NORMAL	0	11:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6361	M	15% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6362	M	15% TEST DIET	NORMAL	0	11:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6362	M	15% TEST DIET	NORMAL	56	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6362	M	15% TEST DIET	BODY/INTEG III	49	10:41	P	WET YELLOW MATERIAL ANOGENITAL AREA
6363	M	15% TEST DIET	NORMAL	0	11:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6363	M	15% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6363	M	15% TEST DIET	BODY/INTEGUMENT	28	10:13	P	HAIR LOSS FORELIMB(S)
				42	11:00	P	HAIR LOSS FORELIMB(S)
6363	M	15% TEST DIET	EXCRETA	49	10:42	P	RED PENILE DISCHARGE
6364	M	15% TEST DIET	NORMAL	0	11:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6364	M	15% TEST DIET	EYES/EARS/NOSE	14	9:42	P	DRIED RED MATERIAL AROUND RIGHT EYE
				21	13:43	P	DRIED RED MATERIAL AROUND RIGHT EYE
				21	13:43	P	CLEAR DISCHARGE RIGHT EYE
				28	10:14	P	DRIED RED MATERIAL AROUND RIGHT EYE
				35	14:08	P	DRIED RED MATERIAL AROUND RIGHT EYE
				42	11:01	P	CLEAR DISCHARGE RIGHT EYE

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6364 M	15% TEST DIET	EYES/EARS/NOSE	42	11:01	P	OPACITY RIGHT EYE
			49	10:42	P	DRIED RED MATERIAL AROUND RIGHT EYE
			56	10:45	P	RED DISCHARGE RIGHT EYE
			56	10:45	P	DRIED RED MATERIAL AROUND RIGHT EYE
			63	10:26	P	RED DISCHARGE RIGHT EYE
			70	9:01	P	DRIED RED MATERIAL AROUND RIGHT EYE
			77	10:06	P	DRIED RED MATERIAL AROUND RIGHT EYE
			84	10:39	P	DRIED RED MATERIAL AROUND RIGHT EYE
			84	10:39	P	RED DISCHARGE RIGHT EYE
			11	8:44	P	LOWER INCISOR(S) LONG, TRIMMED
6364 M	15% TEST DIET	ORAL/DENTAL	21	13:43	P	UPPER INCISOR(S) MALALIGNED
			24	6:38	P	LOWER INCISOR(S) LONG, TRIMMED
			24	6:38	P	UPPER INCISOR(S) LONG, TRIMMED
			35	14:08	P	UPPER INCISOR(S) MALALIGNED
			39	8:59	P	UPPER INCISOR(S) LONG, TRIMMED
			39	9:00	P	LOWER INCISOR(S) LONG, TRIMMED
			42	11:01	P	UPPER INCISOR(S) MALALIGNED
			45	7:54	P	UPPER INCISOR(S) LONG, TRIMMED
			45	7:55	P	LOWER INCISOR(S) LONG, TRIMMED
			52	10:43	P	UPPER INCISOR(S) LONG, TRIMMED
			52	10:43	P	LOWER INCISOR(S) LONG, TRIMMED
			56	10:47	P	UPPER INCISOR(S) LONG, TRIMMED
			56	10:47	P	LOWER INCISOR(S) LONG, TRIMMED
			63	10:26	P	LOWER INCISOR(S) LONG, TRIMMED
			63	10:26	P	UPPER INCISOR(S) LONG, TRIMMED
			70	9:01	P	UPPER INCISOR(S) MALALIGNED
			70	9:01	P	UPPER INCISOR(S) BROKEN
			74	14:43	P	UPPER INCISOR(S) LONG, TRIMMED
			77	10:07	P	LOWER INCISOR(S) LONG, TRIMMED

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6364	M	15% TEST DIET	ORAL/DENTAL	77	10:07	P	UPPER INCISOR(S) BROKEN
				77	10:07	P	UPPER INCISOR(S) MALALIGNED
6366	M	15% TEST DIET	NORMAL	0	11:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6366	M	15% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6367	M	15% TEST DIET	NORMAL	0	11:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6367	M	15% TEST DIET	NORMAL	84	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6370	M	15% TEST DIET	NORMAL	0	11:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6370	M	15% TEST DIET	DISPOSITION	91	7:56	P	PRIMARY NECROPSY (WEEK 13)
6373	M	15% TEST DIET	NORMAL	0	11:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

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SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6373	M	15% TEST DIET	NORMAL	91	7:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6373	M	15% TEST DIET	DISPOSITION	91	7:57	P	PRIMARY NECROPSY (WEEK 13)
6377	M	15% TEST DIET	NORMAL	0	11:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6377	M	15% TEST DIET	DISPOSITION	91	7:57	P	PRIMARY NECROPSY (WEEK 13)
6377	M	15% TEST DIET	BODY/INTEGUMENT	56	10:50	P	HAIR LOSS FORELIMB(S)
6381	M	15% TEST DIET	NORMAL	0	11:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 29

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6381	M	15% TEST DIET	NORMAL	84	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6388	M	15% TEST DIET	NORMAL	0	11:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6388	M	15% TEST DIET	DISPOSITION	91	7:57	P	PRIMARY NECROPSY (WEEK 13)
6389	M	15% TEST DIET	NORMAL	0	12:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 30

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6391	M	15% TEST DIET	NORMAL	0	12:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6391	M	15% TEST DIET	DISPOSITION	91	7:57	P	PRIMARY NECROPSY (WEEK 13)
6405	M	15% TEST DIET	NORMAL	0	12:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6405	M	15% TEST DIET	DISPOSITION	91	7:57	P	PRIMARY NECROPSY (WEEK 13)

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6405	M	15% TEST DIET	EYES/EARS/NOSE	49	10:46	P	DRIED RED MATERIAL AROUND RIGHT EYE
6410	M	15% TEST DIET	NORMAL	0	12:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6414	M	15% TEST DIET	NORMAL	0	12:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6414	M	15% TEST DIET	BODY/INTEGUMENT	35	14:16	P	HAIR LOSS FORELIMB(S)
				42	11:11	P	HAIR LOSS FORELIMB(S)
6416	M	15% TEST DIET	NORMAL	0	12:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6416	M	15% TEST DIET	NORMAL	14	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6422	F	CONTROL DIET	NORMAL	0	10:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6430	F	CONTROL DIET	NORMAL	0	10:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6430	F	CONTROL DIET	NORMAL	35	13:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6435	F	CONTROL DIET	NORMAL	0	10:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6435	F	CONTROL DIET	ORAL/DENTAL	21	12:48	P	WET RED MATERIAL AROUND MOUTH
6436	F	CONTROL DIET	NORMAL	0	11:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6436	F	CONTROL DIET	NORMAL	63	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6436	F	CONTROL DIET	DISPOSITION	91	7:50	P	PRIMARY NECROPSY (WEEK 13)
6436	F	CONTROL DIET	BODY/INTEGUMENT	35	13:15	P	HAIR LOSS FORELIMB(S)
				84	10:05	P	HAIR LOSS FORELIMB(S)
6440	F	CONTROL DIET	NORMAL	0	11:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6440	F	CONTROL DIET	DISPOSITION	91	7:50	P	PRIMARY NECROPSY (WEEK 13)
6440	F	CONTROL DIET	BODY/INTEGUMENT	35	13:16	P	HAIR LOSS FORELIMB(S)
				77	9:30	P	HAIR LOSS FORELIMB(S)
6442	F	CONTROL DIET	NORMAL	0	11:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6442	F	CONTROL DIET	NORMAL	49	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6442	F	CONTROL DIET	DISPOSITION	91	7:50	P	PRIMARY NECROPSY (WEEK 13)
6443	F	CONTROL DIET	NORMAL	0	11:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6445	F	CONTROL DIET	NORMAL	0	11:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 36

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6445	F	CONTROL DIET	NORMAL	56	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6445	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6452	F	CONTROL DIET	NORMAL	0	11:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6453	F	CONTROL DIET	NORMAL	0	11:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6453	F	CONTROL DIET	NORMAL	63	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6454	F	CONTROL DIET	NORMAL	0	11:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6457	F	CONTROL DIET	NORMAL	0	11:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6457	F	CONTROL DIET	NORMAL	84	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6457	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6458	F	CONTROL DIET	NORMAL	0	11:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6458	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6459	F	CONTROL DIET	NORMAL	0	11:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6459	F	CONTROL DIET	NORMAL	84	10:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6459	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6459	F	CONTROL DIET	BODY/INTEGUMENT	56	10:12	P	HAIR LOSS FORELIMB(S)
6460	F	CONTROL DIET	NORMAL	0	11:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6460	F	CONTROL DIET	BODY/INTEGUMENT	28	9:47	P	HAIR LOSS FORELIMB(S)
				35	13:24	P	HAIR LOSS FORELIMB(S)
				56	10:13	P	HAIR LOSS FORELIMB(S)
				77	9:36	P	HAIR LOSS FORELIMB(S)
				84	10:11	P	HAIR LOSS FORELIMB(S)
6466	F	CONTROL DIET	NORMAL	0	11:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	12:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6466	F	CONTROL DIET	NORMAL	84	10:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6476	F	CONTROL DIET	NORMAL	0	11:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6476	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6476	F	CONTROL DIET	EYES/EARS/NOSE	21	13:00	P	DRIED RED MATERIAL AROUND RIGHT EYE
				21	13:00	P	DRIED RED MATERIAL AROUND NOSE
6479	F	CONTROL DIET	NORMAL	0	11:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6479	F	CONTROL DIET	NORMAL	84	10:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6479	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6480	F	CONTROL DIET	NORMAL	0	11:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6484	F	CONTROL DIET	NORMAL	0	11:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	11:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	9:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6484	F	CONTROL DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6484	F	CONTROL DIET	BODY/INTEGUMENT	84	10:13	P	HAIR LOSS FORELIMB(S)
6421	F	5% TEST DIET	NORMAL	0	11:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6421	F	5% TEST DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6421	F	5% TEST DIET	BODY/INTEGUMENT	56	10:30	P	HAIR LOSS FORELIMB(S)
				77	9:51	P	HAIR LOSS FORELIMB(S)
				84	10:27	P	HAIR LOSS FORELIMB(S)
6421	F	5% TEST DIET	EXCRETA	77	9:51	P	SOFT FECES
6421	F	5% TEST DIET	ORAL/DENTAL	21	13:21	P	WET RED MATERIAL AROUND MOUTH
6426	F	5% TEST DIET	NORMAL	0	11:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6426	F	5% TEST DIET	NORMAL	77	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6426	F	5% TEST DIET	DISPOSITION	91	7:51	P	PRIMARY NECROPSY (WEEK 13)
6431	F	5% TEST DIET	NORMAL	0	11:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6431	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6433	F	5% TEST DIET	NORMAL	0	11:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

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SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6433	F	5% TEST DIET	NORMAL	70	8:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6437	F	5% TEST DIET	NORMAL	0	11:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6437	F	5% TEST DIET	BODY/INTEGUMENT	56	10:32	P	HAIR LOSS FORELIMB(S)
				63	10:15	P	HAIR LOSS FORELIMB(S)
				84	10:29	P	HAIR LOSS FORELIMB(S)
6449	F	5% TEST DIET	NORMAL	0	11:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6449	F	5% TEST DIET	BODY/INTEGUMENT	35	13:51	P	HAIR LOSS FORELIMB(S)
				42	10:45	P	HAIR LOSS FORELIMB(S)
				56	10:33	P	HAIR LOSS FORELIMB(S)
				63	10:15	P	HAIR LOSS FORELIMB(S)
				84	10:29	P	HAIR LOSS FORELIMB(S)

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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6450	F	5% TEST DIET	NORMAL	0	11:41	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6451	F	5% TEST DIET	NORMAL	84	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				0	11:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6451	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6451	F	5% TEST DIET	BODY/INTEGUMENT	28	10:04	P	HAIR LOSS FORELIMB(S)
				35	13:52	P	HAIR LOSS FORELIMB(S)
				56	10:34	P	HAIR LOSS FORELIMB(S)
				77	9:54	P	HAIR LOSS FORELIMB(S)
6455	F	5% TEST DIET	NORMAL	0	11:42	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT							

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 46

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6455	F	5% TEST DIET	NORMAL	7	12:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6455	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6456	F	5% TEST DIET	NORMAL	0	11:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6456	F	5% TEST DIET	BODY/INTEGUMENT	28	10:05	P	HAIR LOSS FORELIMB(S)
				35	13:54	P	HAIR LOSS FORELIMB(S)
				42	10:47	P	HAIR LOSS FORELIMB(S)
				56	10:35	P	HAIR LOSS FORELIMB(S)
				77	9:55	P	HAIR LOSS FORELIMB(S)
				84	10:31	P	HAIR LOSS FORELIMB(S)
6456	F	5% TEST DIET	BODY/INTEG II	42	10:48	P	SCABBING FORELIMB(S)
6461	F	5% TEST DIET	NORMAL	0	11:43	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 47

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6461	F	5% TEST DIET	NORMAL	7	12:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6461	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6462	F	5% TEST DIET	NORMAL	0	11:44	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6462	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 48

STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6465 F	5% TEST DIET	NORMAL	0	11:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	12:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	10:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			91	7:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6471 F	5% TEST DIET	NORMAL	0	11:45	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	12:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			0	11:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6475 F	5% TEST DIET	NORMAL	0	11:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6475 F	5% TEST DIET	NORMAL	7	12:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			0	11:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	12:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6478 F	5% TEST DIET	NORMAL	14	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	10:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	13:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	8:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			0	11:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	12:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6482 F	5% TEST DIET	NORMAL	21	13:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6482	F	5% TEST DIET	NORMAL	28	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	13:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6482	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6483	F	5% TEST DIET	NORMAL	0	11:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6487	F	5% TEST DIET	NORMAL	0	11:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6487	F	5% TEST DIET	NORMAL	35	14:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6487	F	5% TEST DIET	DISPOSITION	60	9:13	P	FOUND DEAD
6488	F	5% TEST DIET	NORMAL	0	11:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	10:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	8:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	9:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6488	F	5% TEST DIET	DISPOSITION	91	7:52	P	PRIMARY NECROPSY (WEEK 13)
6488	F	5% TEST DIET	BODY/INTEGUMENT	28	10:09	P	HAIR LOSS FORELIMB(S)
				35	14:01	P	HAIR LOSS FORELIMB(S)
				56	10:40	P	HAIR LOSS FORELIMB(S)
				63	10:21	P	HAIR LOSS FORELIMB(S)
				91	7:29	P	HAIR LOSS FORELIMB(S)
6420	F	15% TEST DIET	NORMAL	0	12:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6420	F	15% TEST DIET	NORMAL	63	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6420	F	15% TEST DIET	DISPOSITION	91	7:53	P	PRIMARY NECROPSY (WEEK 13)
6423	F	15% TEST DIET	NORMAL	0	12:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6424	F	15% TEST DIET	NORMAL	0	12:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:46	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6424	F	15% TEST DIET	NORMAL	70	9:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6425	F	15% TEST DIET	NORMAL	0	12:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	10:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6425	F	15% TEST DIET	DISPOSITION	91	7:53	P	PRIMARY NECROPSY (WEEK 13)
6427	F	15% TEST DIET	NORMAL	0	12:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6427	F	15% TEST DIET	NORMAL	77	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6428	F	15% TEST DIET	NORMAL	0	12:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6428	F	15% TEST DIET	DISPOSITION	91	7:53	P	PRIMARY NECROPSY (WEEK 13)
6429	F	15% TEST DIET	NORMAL	0	12:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:56	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 55

STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6429	F	15% TEST DIET	NORMAL	84	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6432	F	15% TEST DIET	NORMAL	0	12:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:47	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:17	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6432	F	15% TEST DIET	DISPOSITION	91	7:53	P	PRIMARY NECROPSY (WEEK 13)
6434	F	15% TEST DIET	NORMAL	0	12:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:57	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:18	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:35	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6441	F	15% TEST DIET	NORMAL	0	12:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:04	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6444	F	15% TEST DIET	NORMAL	0	12:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	13:58	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:36	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:19	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6444	F	15% TEST DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6447	F	15% TEST DIET	NORMAL	0	12:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6447 F	15% TEST DIET	NORMAL	7	12:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	14:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	11:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	11:05	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	9:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	10:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			0	12:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	12:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6463 F	15% TEST DIET	NORMAL	14	9:48	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	13:59	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			28	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			35	14:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			42	11:20	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			49	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			56	11:06	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			63	10:37	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			70	9:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			77	10:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			84	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			0	12:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			7	12:31	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			14	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
			21	14:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6469	F	15% TEST DIET	NORMAL	28	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:51	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:07	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6470	F	15% TEST DIET	NORMAL	0	12:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	14:00	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:22	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:21	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6470	F	15% TEST DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6473	F	15% TEST DIET	NORMAL	0	12:12	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:32	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	14:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6473	F	15% TEST DIET	NORMAL	35	14:27	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:08	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:38	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6473	F	15% TEST DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6473	F	15% TEST DIET	BODY/INTEGUMENT	77	10:27	P	HAIR LOSS FORELIMB(S)
				84	10:53	P	HAIR LOSS VENTRAL TRUNK
				84	10:53	P	HAIR LOSS HINDLIMB(S)
6477	F	15% TEST DIET	NORMAL	0	12:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	14:01	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:23	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:52	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:26	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6477	F	15% TEST DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6481	F	15% TEST DIET	NORMAL	0	12:13	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:33	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:49	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6481	F	15% TEST DIET	NORMAL	21	14:02	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:09	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:39	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:54	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6486	F	15% TEST DIET	NORMAL	0	12:14	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	14:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				28	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:24	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:10	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:28	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6486	F	15% TEST DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)
6489	F	15% TEST DIET	NORMAL	0	12:15	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				7	12:34	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				14	9:50	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				21	14:03	P	NO SIGNIFICANT CLINICAL OBSERVATIONS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A2 (DETAILED PHYSICAL EXAMINATIONS/DISPOSITIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

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STUDY DAYS: 0 THROUGH 91

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6489	F	15% TEST DIET	NORMAL	28	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				35	14:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				42	11:25	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				49	10:53	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				56	11:11	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				63	10:40	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				70	9:16	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				77	10:30	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				84	10:55	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
				91	7:29	P	NO SIGNIFICANT CLINICAL OBSERVATIONS
6489	F	15% TEST DIET	DISPOSITION	91	7:54	P	PRIMARY NECROPSY (WEEK 13)

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A3 (DAILY OBSERVATIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 1

STUDY DAYS: 0 THROUGH 90

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6395	M	CONTROL DIET	EYES/EARS/NOSE	85	7:39	P	DRIED RED MATERIAL AROUND NOSE
6372	M	5% TEST DIET	EYES/EARS/NOSE	85	7:45	P	DRIED RED MATERIAL AROUND NOSE
6379	M	5% TEST DIET	EXCRETA	85	7:46	P	RED PENILE DISCHARGE
6387	M	5% TEST DIET	EYES/EARS/NOSE	46	8:48	P	DRIED RED MATERIAL AROUND RIGHT EYE
				51	11:24	P	DRIED RED MATERIAL AROUND RIGHT EYE
				64	12:44	P	DRIED RED MATERIAL AROUND RIGHT EYE
				72	9:56	P	RED DISCHARGE RIGHT EYE
				72	9:56	P	DRIED RED MATERIAL AROUND RIGHT EYE
				73	10:28	P	RED DISCHARGE RIGHT EYE
				73	10:28	P	DRIED RED MATERIAL AROUND RIGHT EYE
				86	6:39	P	DRIED RED MATERIAL AROUND RIGHT EYE
				87	6:30	P	DRIED RED MATERIAL AROUND RIGHT EYE
				88	6:31	P	DRIED RED MATERIAL AROUND RIGHT EYE
6393	M	5% TEST DIET	EYES/EARS/NOSE	65	7:47	P	DRIED RED MATERIAL AROUND LEFT EYE
				72	9:57	P	DRIED RED MATERIAL AROUND LEFT EYE
				73	10:29	P	DRIED RED MATERIAL AROUND LEFT EYE
6407	M	5% TEST DIET	EYES/EARS/NOSE	26	11:58	P	DRIED RED MATERIAL AROUND LEFT EYE
				31	11:28	P	DRIED RED MATERIAL AROUND LEFT EYE
6364	M	15% TEST DIET	EYES/EARS/NOSE	9	12:22	P	RED DISCHARGE LEFT EYE
				9	12:22	P	RED DISCHARGE RIGHT EYE
				9	12:22	P	WET RED MATERIAL AROUND NOSE
				11	8:20	P	RED DISCHARGE RIGHT EYE
				12	6:51	P	DRIED RED MATERIAL AROUND RIGHT EYE
				13	7:34	P	DRIED RED MATERIAL AROUND RIGHT EYE
				15	13:15	P	DRIED RED MATERIAL AROUND RIGHT EYE
				16	12:16	P	DRIED RED MATERIAL AROUND RIGHT EYE
				18	14:01	P	DRIED RED MATERIAL AROUND RIGHT EYE
				19	8:12	P	RED DISCHARGE RIGHT EYE
				19	8:12	P	DRIED RED MATERIAL AROUND RIGHT EYE

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A3 (DAILY OBSERVATIONS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 2

STUDY DAYS: 0 THROUGH 90

ANIMAL	SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6364	M	15% TEST DIET	EYES/EARS/NOSE	26	12:03	P	DRIED RED MATERIAL AROUND RIGHT EYE
				29	11:12	P	DRIED RED MATERIAL AROUND RIGHT EYE
				30	8:12	P	DRIED RED MATERIAL AROUND RIGHT EYE
				31	11:36	P	DRIED RED MATERIAL AROUND RIGHT EYE
				38	12:18	P	DRIED RED MATERIAL AROUND RIGHT EYE
				46	8:52	P	RED DISCHARGE RIGHT EYE
				51	11:24	P	DRIED RED MATERIAL AROUND RIGHT EYE
				65	7:53	P	DRIED RED MATERIAL AROUND RIGHT EYE
				73	10:31	P	RED DISCHARGE RIGHT EYE
				73	10:32	P	DRIED RED MATERIAL AROUND RIGHT EYE
				86	6:44	P	DRIED RED MATERIAL AROUND RIGHT EYE
				87	6:34	P	DRIED RED MATERIAL AROUND RIGHT EYE
				88	6:33	P	DRIED RED MATERIAL AROUND RIGHT EYE
6370	M	15% TEST DIET	EYES/EARS/NOSE	52	10:38	P	DRIED RED MATERIAL AROUND NOSE
6405	M	15% TEST DIET	EYES/EARS/NOSE	32	13:23	P	DRIED RED MATERIAL AROUND RIGHT EYE
				51	11:25	P	DRIED RED MATERIAL AROUND RIGHT EYE
6430	F	CONTROL DIET	EYES/EARS/NOSE	18	14:08	P	DRIED RED MATERIAL AROUND LEFT EYE
6451	F	5% TEST DIET	EYES/EARS/NOSE	78	7:00	P	DRIED RED MATERIAL AROUND LEFT EYE

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

PAGE 1

WEEK	-3	-2	-1	0	MALE GROUP: 1	CONTROL DIET 2	3	4
ANIMAL								
6357	84.	132.	198.	214.	274.	335.	377.	427.
6358	85.	133.	194.	209.	259.	317.	351.	387.
6360	77.	119.	175.	186.	241.	290.	318.	345.
6365	96.	142.	202.	216.	269.	316.	351.	391.
6368	85.	129.	186.	198.	242.	296.	317.	350.
6369	98.	145.	203.	218.	261.	315.	340.	377.
6375	92.	136.	188.	200.	244.	290.	325.	351.
6380	81.	127.	184.	200.	252.	321.	342.	377.
6383	91.	138.	197.	214.	254.	319.	360.	402.
6384	88.	130.	180.	193.	240.	291.	323.	353.
6385	79.	129.	192.	208.	265.	326.	375.	422.
6392	95.	148.	213.	227.	276.	345.	404.	435.
6394	84.	132.	196.	214.	262.	334.	384.	444.
6395	80.	124.	176.	189.	234.	279.	313.	350.
6397	80.	118.	170.	184.	229.	287.	323.	360.
6399	75.	115.	168.	185.	234.	280.	315.	355.
6400	75.	119.	175.	189.	238.	283.	312.	349.
6406	86.	130.	190.	208.	261.	321.	359.	393.
6415	97.	145.	202.	217.	253.	310.	348.	386.
6419	80.	124.	179.	195.	232.	289.	326.	362.
MEAN	85.	131.	188.	203.	251.	307.	343.	381.
S.D.	7.3	9.5	12.4	13.0	14.5	20.4	26.8	31.5
S.E.	1.6	2.1	2.8	2.9	3.3	4.6	6.0	7.0
N	20	20	20	20	20	20	20	20

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TABLE A4
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL BODY WEIGHTS [G]

PAGE 2

WEEK	-3	-2	-1	0	MALE GROUP: 1	5% TEST DIET 2	3	4
ANIMAL								
6350	84.	129.	185.	202.	248.	304.	338.	370.
6353	96.	145.	202.	215.	263.	321.	356.	390.
6354	95.	142.	196.	206.	247.	292.	321.	356.
6356	82.	122.	179.	193.	242.	291.	320.	354.
6371	98.	149.	208.	218.	270.	327.	365.	400.
6372	79.	119.	172.	186.	239.	299.	330.	366.
6374	95.	143.	205.	221.	266.	320.	363.	391.
6376	92.	140.	201.	215.	263.	330.	370.	400.
6378	83.	127.	187.	204.	256.	322.	363.	404.
6379	86.	134.	190.	205.	252.	303.	333.	358.
6382	72.	114.	169.	183.	223.	294.	329.	363.
6386	91.	141.	202.	215.	269.	333.	376.	410.
6387	91.	132.	182.	193.	234.	299.	340.	374.
6393	86.	134.	194.	211.	254.	324.	366.	411.
6402	80.	123.	175.	187.	219.	274.	306.	339.
6407	88.	134.	196.	210.	258.	322.	361.	363.
6408	80.	121.	176.	191.	238.	299.	336.	377.
6411	88.	132.	189.	204.	252.	313.	350.	378.
6412	75.	116.	170.	187.	233.	288.	321.	347.
6413	84.	131.	193.	210.	261.	338.	388.	431.
MEAN	86.	131.	189.	203.	249.	310.	347.	379.
S.D.	7.1	10.0	12.2	11.9	14.8	17.6	22.2	24.6
S.E.	1.6	2.2	2.7	2.7	3.3	3.9	5.0	5.5
N	20	20	20	20	20	20	20	20

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

PAGE 3

WEEK	-3	-2	-1	0	MALE GROUP: 15% TEST DIET 1	2	3	4
ANIMAL								
6351	85.	133.	196.	211.	261.	319.	352.	383.
6352	92.	142.	203.	215.	275.	331.	365.	409.
6359	75.	117.	174.	189.	244.	309.	364.	417.
6361	97.	141.	200.	215.	257.	309.	336.	368.
6362	82.	126.	185.	198.	251.	299.	336.	376.
6363	97.	148.	208.	222.	271.	320.	345.	378.
6364	82.	129.	186.	198.	245.	255.	308.	357.
6366	99.	146.	202.	212.	249.	294.	329.	371.
6367	82.	123.	184.	194.	249.	298.	324.	366.
6370	85.	125.	172.	183.	234.	289.	320.	354.
6373	83.	125.	176.	189.	245.	313.	365.	408.
6377	97.	141.	197.	206.	256.	311.	346.	402.
6381	86.	130.	189.	204.	266.	328.	372.	416.
6388	83.	125.	179.	191.	237.	294.	339.	387.
6389	100.	149.	212.	230.	295.	360.	403.	451.
6391	80.	122.	175.	189.	239.	290.	329.	379.
6405	95.	139.	191.	201.	242.	279.	309.	344.
6410	80.	115.	169.	181.	231.	286.	314.	350.
6414	91.	136.	195.	206.	258.	320.	359.	400.
6416	90.	137.	192.	211.	260.	322.	360.	395.
MEAN	88.	132.	189.	202.	253.	306.	344.	386.
S.D.	7.5	10.2	12.5	13.3	15.5	22.5	24.2	26.9
S.E.	1.7	2.3	2.8	3.0	3.5	5.0	5.4	6.0
N	20	20	20	20	20	20	20	20

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TABLE A4
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INDIVIDUAL BODY WEIGHTS [G]

PAGE 4

WEEK	5	6	7	8	MALE GROUP: 9	CONTROL DIET 10	11	12
ANIMAL								
6357	454.	467.	484.	501.	516.	522.	539.	555.
6358	412.	436.	460.	483.	496.	521.	536.	539.
6360	362.	382.	405.	420.	433.	442.	459.	479.
6365	416.	443.	467.	495.	526.	550.	556.	564.
6368	382.	398.	422.	439.	455.	465.	488.	497.
6369	399.	409.	429.	458.	474.	489.	512.	531.
6375	372.	396.	416.	432.	438.	446.	444.	455.
6380	404.	421.	443.	468.	485.	498.	515.	528.
6383	425.	452.	465.	494.	518.	531.	536.	546.
6384	367.	384.	400.	420.	428.	444.	456.	467.
6385	448.	472.	504.	524.	543.	569.	586.	604.
6392	464.	487.	520.	536.	558.	568.	585.	587.
6394	465.	490.	516.	535.	555.	551.	585.	592.
6395	373.	388.	415.	433.	447.	465.	475.	485.
6397	385.	407.	432.	450.	465.	486.	507.	518.
6399	376.	398.	418.	436.	446.	459.	474.	487.
6400	363.	381.	412.	431.	450.	467.	483.	498.
6406	419.	440.	468.	489.	505.	524.	536.	545.
6415	415.	432.	465.	485.	510.	523.	536.	537.
6419	389.	407.	434.	457.	472.	483.	494.	504.
MEAN	405.	425.	449.	469.	486.	500.	515.	526.
S.D.	33.6	35.2	36.8	37.4	41.3	41.5	43.6	42.1
S.E.	7.5	7.9	8.2	8.4	9.2	9.3	9.7	9.4
N	20	20	20	20	20	20	20	20

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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WEEK	5	6	7	8	MALE GROUP: 9	5% TEST DIET 10	11	12
ANIMAL								
6350	398.	414.	436.	459.	466.	476.	492.	509.
6353	418.	435.	465.	495.	509.	523.	539.	557.
6354	382.	409.	430.	453.	466.	473.	492.	503.
6356	371.	395.	413.	435.	452.	462.	475.	487.
6371	422.	440.	470.	495.	512.	525.	527.	536.
6372	382.	404.	427.	446.	458.	476.	487.	492.
6374	414.	435.	460.	478.	488.	505.	516.	526.
6376	440.	466.	483.	504.	530.	525.	545.	556.
6378	430.	459.	481.	502.	518.	529.	542.	554.
6379	381.	401.	415.	439.	460.	475.	484.	499.
6382	386.	402.	423.	446.	454.	467.	476.	484.
6386	438.	461.	492.	525.	547.	553.	563.	575.
6387	390.	391.	418.	430.	448.	462.	467.	473.
6393	435.	471.	501.	518.	539.	509.	540.	561.
6402	360.	381.	406.	424.	440.	452.	468.	481.
6407	391.	416.	438.	457.	464.	484.	495.	500.
6408	402.	417.	446.	472.	491.	500.	506.	517.
6411	403.	428.	449.	476.	492.	488.	508.	520.
6412	370.	392.	411.	433.	440.	441.	452.	461.
6413	468.	492.	517.	536.	571.	582.	597.	601.
MEAN	404.	425.	449.	471.	487.	495.	509.	520.
S.D.	28.3	31.0	33.0	34.2	38.8	35.9	37.1	37.7
S.E.	6.3	6.9	7.4	7.6	8.7	8.0	8.3	8.4
N	20	20	20	20	20	20	20	20

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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WEEK	5	6	7	8	MALE GROUP: 15% TEST DIET 9	10	11	12
ANIMAL								
6351	407.	422.	442.	452.	467.	470.	483.	493.
6352	432.	453.	480.	497.	515.	536.	544.	550.
6359	461.	497.	538.	567.	605.	628.	646.	652.
6361	396.	424.	439.	460.	474.	492.	500.	508.
6362	405.	418.	432.	447.	468.	474.	496.	503.
6363	398.	423.	434.	455.	467.	489.	494.	493.
6364	384.	408.	435.	460.	481.	497.	522.	532.
6366	398.	429.	453.	476.	502.	515.	532.	543.
6367	387.	405.	416.	448.	459.	466.	478.	481.
6370	389.	410.	435.	456.	473.	487.	509.	517.
6373	435.	458.	484.	506.	527.	549.	565.	570.
6377	426.	446.	473.	500.	516.	518.	544.	556.
6381	440.	456.	486.	502.	521.	534.	547.	556.
6388	414.	435.	475.	504.	530.	548.	567.	571.
6389	474.	497.	520.	547.	562.	577.	588.	597.
6391	408.	435.	457.	481.	497.	517.	531.	545.
6405	366.	377.	393.	411.	425.	440.	458.	459.
6410	370.	393.	409.	421.	439.	451.	461.	471.
6414	435.	453.	483.	505.	529.	543.	556.	565.
6416	417.	444.	459.	470.	483.	502.	515.	523.
MEAN	412.	434.	457.	478.	497.	512.	527.	534.
S.D.	28.3	30.5	36.0	38.6	42.5	45.0	45.6	46.3
S.E.	6.3	6.8	8.1	8.6	9.5	10.1	10.2	10.4
N	20	20	20	20	20	20	20	20

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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MALE GROUP: CONTROL DIET

WEEK 13

ANIMAL

6357 566.
6358 553.
6360 484.
6365 568.
6368 514.
6369 538.
6375 462.
6380 532.
6383 561.
6384 471.
6385 614.
6392 603.
6394 602.
6395 492.
6397 526.
6399 496.
6400 509.
6406 549.
6415 550.
6419 515.

MEAN 535.
S.D. 43.4
S.E. 9.7
N 20

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INDIVIDUAL BODY WEIGHTS [G]

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MALE GROUP: 5% TEST DIET

WEEK 13

ANIMAL

6350 523.
6353 568.
6354 515.
6356 494.
6371 544.
6372 492.
6374 540.
6376 565.
6378 557.
6379 507.
6382 488.
6386 589.
6387 471.
6393 565.
6402 487.
6407 502.
6408 537.
6411 542.
6412 464.
6413 620.

MEAN 529.
S.D. 41.3
S.E. 9.2
N 20

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TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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WEEK 13		MALE GROUP: 15% TEST DIET	
ANIMAL			
	6351	497.	
	6352	561.	
	6359	676.	
	6361	508.	
	6362	523.	
	6363	501.	
	6364	547.	
	6366	545.	
	6367	492.	
	6370	519.	
	6373	579.	
	6377	572.	
	6381	559.	
	6388	587.	
	6389	595.	
	6391	552.	
	6405	467.	
	6410	469.	
	6414	566.	
	6416	527.	
MEAN		542.	
S.D.		49.1	
S.E.		11.0	
N		20	

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TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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WEEK	-3	-2	-1	0	FEMALE GROUP: 1	CONTROL DIET 2	3	4
ANIMAL								
6422	71.	107.	147.	154.	176.	202.	220.	239.
6430	89.	119.	148.	153.	170.	188.	197.	214.
6435	94.	133.	165.	172.	195.	222.	239.	255.
6436	77.	111.	144.	148.	171.	194.	215.	237.
6440	89.	125.	159.	169.	198.	227.	235.	260.
6442	92.	130.	159.	166.	181.	206.	222.	233.
6443	81.	115.	151.	155.	176.	199.	216.	227.
6445	84.	123.	167.	174.	199.	231.	253.	267.
6452	82.	116.	148.	159.	184.	204.	227.	242.
6453	82.	121.	154.	164.	190.	209.	227.	245.
6454	90.	129.	167.	176.	206.	257.	256.	283.
6457	92.	128.	157.	162.	185.	214.	231.	234.
6458	86.	119.	142.	150.	164.	187.	202.	213.
6459	90.	122.	150.	152.	160.	187.	196.	207.
6460	87.	124.	155.	159.	182.	200.	225.	233.
6466	77.	116.	153.	159.	175.	203.	214.	220.
6476	83.	121.	160.	163.	184.	210.	222.	234.
6479	69.	99.	134.	143.	157.	180.	201.	216.
6480	83.	117.	152.	160.	180.	217.	230.	247.
6484	82.	112.	139.	140.	156.	174.	186.	188.
MEAN	84.	119.	153.	159.	179.	206.	221.	235.
S.D.	6.8	8.2	9.0	9.8	14.0	19.4	18.3	22.1
S.E.	1.5	1.8	2.0	2.2	3.1	4.3	4.1	4.9
N	20	20	20	20	20	20	20	20

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INDIVIDUAL BODY WEIGHTS [G]

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	FEMALE GROUP: 5% TEST DIET							
WEEK	-3	-2	-1	0	1	2	3	4
ANIMAL								
6421	99.	132.	166.	169.	191.	228.	247.	266.
6426	80.	111.	142.	143.	162.	184.	193.	200.
6431	92.	129.	154.	161.	179.	204.	216.	231.
6433	86.	125.	159.	167.	189.	219.	235.	259.
6437	75.	110.	139.	145.	163.	186.	206.	218.
6449	76.	111.	146.	156.	178.	199.	218.	237.
6450	94.	126.	152.	163.	179.	199.	210.	219.
6451	88.	120.	153.	157.	182.	210.	228.	245.
6455	79.	114.	148.	158.	181.	209.	222.	251.
6456	85.	120.	154.	157.	176.	209.	227.	242.
6461	92.	131.	169.	170.	186.	214.	222.	235.
6462	76.	115.	153.	159.	179.	212.	226.	246.
6465	90.	124.	159.	161.	178.	218.	237.	249.
6471	89.	122.	150.	151.	169.	197.	214.	239.
6475	98.	133.	164.	168.	192.	217.	228.	239.
6478	86.	116.	144.	152.	172.	196.	216.	232.
6482	92.	133.	163.	169.	192.	223.	242.	262.
6483	76.	112.	143.	148.	165.	193.	214.	227.
6487	86.	120.	147.	153.	166.	199.	208.	228.
6488	84.	118.	155.	161.	181.	204.	211.	227.
MEAN	86.	121.	153.	158.	178.	206.	221.	238.
S.D.	7.3	7.8	8.4	8.0	9.5	12.0	13.2	16.0
S.E.	1.6	1.7	1.9	1.8	2.1	2.7	2.9	3.6
N	20	20	20	20	20	20	20	20

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INDIVIDUAL BODY WEIGHTS [G]

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	FEMALE GROUP: 15% TEST DIET							
WEEK	-3	-2	-1	0	1	2	3	4
ANIMAL								
6420	96.	124.	148.	154.	168.	194.	203.	215.
6423	90.	132.	163.	169.	180.	202.	219.	236.
6424	85.	122.	155.	158.	177.	207.	220.	241.
6425	89.	124.	151.	159.	177.	204.	215.	222.
6427	87.	130.	154.	157.	186.	213.	227.	250.
6428	91.	129.	164.	170.	180.	211.	225.	237.
6429	75.	109.	140.	142.	168.	191.	201.	227.
6432	81.	115.	143.	147.	172.	186.	205.	222.
6434	76.	112.	148.	153.	174.	193.	203.	217.
6441	85.	122.	154.	154.	173.	201.	221.	233.
6444	86.	126.	156.	161.	176.	193.	213.	227.
6447	88.	127.	165.	168.	199.	229.	246.	271.
6463	79.	112.	147.	148.	164.	182.	201.	206.
6469	77.	107.	137.	139.	158.	170.	195.	211.
6470	85.	119.	152.	162.	175.	198.	208.	228.
6473	83.	122.	157.	161.	185.	212.	235.	249.
6477	91.	129.	167.	174.	195.	224.	240.	250.
6481	93.	124.	148.	153.	176.	197.	213.	226.
6486	76.	115.	143.	155.	184.	211.	229.	250.
6489	88.	127.	159.	169.	192.	217.	242.	254.
MEAN	85.	121.	153.	158.	178.	202.	218.	234.
S.D.	6.1	7.4	8.5	9.5	10.2	14.4	15.0	16.7
S.E.	1.4	1.6	1.9	2.1	2.3	3.2	3.4	3.7
N	20	20	20	20	20	20	20	20

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WEEK	5	6	7	8	FEMALE GROUP: 9	CONTROL DIET 10	11	12
ANIMAL								
6422	249.	257.	265.	275.	281.	279.	282.	285.
6430	223.	228.	240.	248.	258.	261.	270.	273.
6435	266.	270.	278.	288.	294.	293.	296.	307.
6436	241.	245.	261.	274.	282.	275.	289.	294.
6440	271.	276.	279.	292.	301.	308.	313.	325.
6442	235.	253.	257.	265.	263.	272.	278.	277.
6443	233.	235.	247.	251.	263.	264.	269.	273.
6445	277.	295.	311.	322.	342.	350.	364.	370.
6452	251.	245.	270.	281.	279.	272.	290.	294.
6453	250.	254.	267.	274.	276.	272.	282.	288.
6454	294.	304.	315.	317.	336.	326.	345.	341.
6457	245.	248.	257.	262.	277.	282.	287.	287.
6458	233.	238.	243.	256.	266.	265.	268.	278.
6459	211.	226.	234.	238.	237.	248.	252.	255.
6460	240.	248.	258.	265.	271.	273.	282.	285.
6466	228.	239.	255.	266.	275.	280.	290.	293.
6476	247.	258.	269.	277.	286.	293.	292.	296.
6479	226.	231.	238.	246.	242.	251.	252.	253.
6480	255.	265.	269.	285.	295.	288.	297.	303.
6484	205.	219.	223.	220.	225.	239.	243.	238.
MEAN	244.	252.	262.	270.	277.	280.	287.	291.
S.D.	21.8	22.1	23.0	24.5	28.5	26.0	28.8	29.9
S.E.	4.9	4.9	5.1	5.5	6.4	5.8	6.4	6.7
N	20	20	20	20	20	20	20	20

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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	FEMALE GROUP: 5% TEST DIET							
WEEK	5	6	7	8	9	10	11	12
ANIMAL								
6421	278.	288.	298.	307.	310.	320.	326.	326.
6426	211.	219.	219.	228.	232.	241.	243.	243.
6431	242.	248.	261.	266.	265.	269.	277.	282.
6433	270.	279.	285.	301.	302.	311.	318.	320.
6437	228.	234.	242.	253.	260.	263.	271.	271.
6449	247.	244.	253.	263.	264.	274.	278.	280.
6450	226.	241.	254.	256.	260.	272.	279.	279.
6451	253.	264.	272.	274.	288.	296.	298.	299.
6455	252.	270.	283.	292.	299.	304.	313.	318.
6456	245.	254.	263.	275.	279.	283.	299.	302.
6461	238.	253.	262.	263.	265.	276.	278.	281.
6462	257.	266.	278.	285.	293.	288.	301.	301.
6465	253.	265.	273.	289.	287.	296.	307.	304.
6471	253.	257.	255.	276.	281.	280.	286.	292.
6475	247.	261.	269.	275.	281.	292.	292.	297.
6478	236.	246.	258.	271.	270.	284.	285.	292.
6482	270.	282.	284.	303.	302.	301.	314.	310.
6483	237.	250.	257.	261.	267.	276.	283.	289.
6487	234.	241.	244.	267.				
6488	235.	245.	254.	260.	266.	267.	270.	273.
MEAN	246.	255.	263.	273.	277.	284.	290.	293.
S.D.	16.1	17.0	17.9	19.1	19.2	18.7	20.2	19.8
S.E.	3.6	3.8	4.0	4.3	4.4	4.3	4.6	4.5
N	20	20	20	20	19	19	19	19

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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	FEMALE GROUP: 15% TEST DIET							
WEEK	5	6	7	8	9	10	11	12
ANIMAL								
6420	224.	218.	233.	241.	242.	236.	249.	252.
6423	254.	258.	274.	279.	298.	299.	314.	317.
6424	253.	250.	257.	272.	284.	284.	283.	295.
6425	235.	240.	250.	252.	254.	265.	267.	268.
6427	262.	279.	278.	291.	289.	302.	298.	307.
6428	239.	253.	252.	263.	274.	285.	287.	293.
6429	236.	240.	244.	255.	263.	265.	265.	273.
6432	231.	235.	251.	261.	265.	263.	275.	284.
6434	232.	227.	246.	257.	263.	279.	293.	307.
6441	237.	247.	258.	264.	258.	270.	276.	284.
6444	236.	248.	252.	266.	268.	273.	279.	283.
6447	267.	284.	275.	288.	296.	296.	298.	312.
6463	227.	233.	243.	257.	267.	263.	272.	279.
6469	228.	222.	249.	252.	261.	270.	269.	275.
6470	237.	237.	255.	257.	267.	269.	273.	278.
6473	264.	268.	276.	288.	293.	294.	302.	297.
6477	253.	268.	274.	286.	287.	303.	304.	305.
6481	242.	256.	262.	274.	279.	284.	287.	295.
6486	255.	269.	288.	298.	306.	310.	319.	325.
6489	265.	273.	290.	297.	298.	293.	305.	316.
MEAN	244.	250.	260.	270.	276.	280.	286.	292.
S.D.	13.9	19.0	15.9	16.8	17.5	18.2	18.1	18.9
S.E.	3.1	4.3	3.6	3.8	3.9	4.1	4.1	4.2
N	20	20	20	20	20	20	20	20

PROJECT NO.:WIL-50333
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TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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FEMALE GROUP: CONTROL DIET

WEEK 13

ANIMAL

6422 289.
6430 274.
6435 309.
6436 292.
6440 324.
6442 282.
6443 281.
6445 377.
6452 287.
6453 287.
6454 345.
6457 297.
6458 285.
6459 260.
6460 286.
6466 296.
6476 302.
6479 259.
6480 309.
6484 250.

MEAN 295.
S.D. 29.2
S.E. 6.5
N 20

PROJECT NO.:WIL-50333
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TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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FEMALE GROUP: 5% TEST DIET

WEEK	13

ANIMAL	
6421	333.
6426	249.
6431	290.
6433	323.
6437	276.
6449	285.
6450	278.
6451	301.
6455	321.
6456	303.
6461	286.
6462	303.
6465	305.
6471	290.
6475	304.
6478	291.
6482	318.
6483	294.
6488	278.
MEAN	296.
S.D.	19.8
S.E.	4.5
N	19

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A4
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL BODY WEIGHTS [G]

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FEMALE GROUP: 15% TEST DIET

WEEK	13

ANIMAL	
6420	248.
6423	328.
6424	297.
6425	279.
6427	311.
6428	296.
6429	277.
6432	278.
6434	316.
6441	279.
6444	285.
6447	302.
6463	287.
6469	271.
6470	274.
6473	302.
6477	310.
6481	293.
6486	322.
6489	310.
MEAN	293.
S.D.	19.9
S.E.	4.5
N	20

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PROJECT NO.:WIL-50333
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TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 1

WEEK	0 TO 1	0 TO 2	0 TO 3	0 TO 4	0 TO 5	0 TO 6	0 TO 7	0 TO 8

ANIMAL								
6357	60.	121.	163.	213.	240.	253.	270.	287.
6358	50.	108.	142.	178.	203.	227.	251.	274.
6360	55.	104.	132.	159.	176.	196.	219.	234.
6365	53.	100.	135.	175.	200.	227.	251.	279.
6368	44.	98.	119.	152.	184.	200.	224.	241.
6369	43.	97.	122.	159.	181.	191.	211.	240.
6375	44.	90.	125.	151.	172.	196.	216.	232.
6380	52.	121.	142.	177.	204.	221.	243.	268.
6383	40.	105.	146.	188.	211.	238.	251.	280.
6384	47.	98.	130.	160.	174.	191.	207.	227.
6385	57.	118.	167.	214.	240.	264.	296.	316.
6392	49.	118.	177.	208.	237.	260.	293.	309.
6394	48.	120.	170.	230.	251.	276.	302.	321.
6395	45.	90.	124.	161.	184.	199.	226.	244.
6397	45.	103.	139.	176.	201.	223.	248.	266.
6399	49.	95.	130.	170.	191.	213.	233.	251.
6400	49.	94.	123.	160.	174.	192.	223.	242.
6406	53.	113.	151.	185.	211.	232.	260.	281.
6415	36.	93.	131.	169.	198.	215.	248.	268.
6419	37.	94.	131.	167.	194.	212.	239.	262.
MEAN	48.	104.	140.	178.	201.	221.	246.	266.
S.D.	6.3	10.9	17.3	22.5	24.2	26.1	27.8	27.9
S.E.	1.4	2.4	3.9	5.0	5.4	5.8	6.2	6.2
N	20	20	20	20	20	20	20	20

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 2

WEEK	0 TO 1	0 TO 2	0 TO 3	0 TO 4	0 TO 5	0 TO 6	0 TO 7	0 TO 8
MALE GROUP: 5% TEST DIET								
ANIMAL								
6350	46.	102.	136.	168.	196.	212.	234.	257.
6353	48.	106.	141.	175.	203.	220.	250.	280.
6354	41.	86.	115.	150.	176.	203.	224.	247.
6356	49.	98.	127.	161.	178.	202.	220.	242.
6371	52.	109.	147.	182.	204.	222.	252.	277.
6372	53.	113.	144.	180.	196.	218.	241.	260.
6374	45.	99.	142.	170.	193.	214.	239.	257.
6376	48.	115.	155.	185.	225.	251.	268.	289.
6378	52.	118.	159.	200.	226.	255.	277.	298.
6379	47.	98.	128.	153.	176.	196.	210.	234.
6382	40.	111.	146.	180.	203.	219.	240.	263.
6386	54.	118.	161.	195.	223.	246.	277.	310.
6387	41.	106.	147.	181.	197.	198.	225.	237.
6393	43.	113.	155.	200.	224.	260.	290.	307.
6402	32.	87.	119.	152.	173.	194.	219.	237.
6407	48.	112.	151.	153.	181.	206.	228.	247.
6408	47.	108.	145.	186.	211.	226.	255.	281.
6411	48.	109.	146.	174.	199.	224.	245.	272.
6412	46.	101.	134.	160.	183.	205.	224.	246.
6413	51.	128.	178.	221.	258.	282.	307.	326.
MEAN	47.	107.	144.	176.	201.	223.	246.	268.
S.D.	5.2	10.3	14.8	18.8	21.8	24.2	26.0	27.0
S.E.	1.2	2.3	3.3	4.2	4.9	5.4	5.8	6.0
N	20	20	20	20	20	20	20	20

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 3

WEEK	0 TO 1	0 TO 2	0 TO 3	0 TO 4	0 TO 5	0 TO 6	0 TO 7	0 TO 8
MALE GROUP: 15% TEST DIET								
ANIMAL								
6351	50.	108.	141.	172.	196.	211.	231.	241.
6352	60.	116.	150.	194.	217.	238.	265.	282.
6359	55.	120.	175.	228.	272.	308.	349.	378.
6361	42.	94.	121.	153.	181.	209.	224.	245.
6362	53.	101.	138.	178.	207.	220.	234.	249.
6363	49.	98.	123.	156.	176.	201.	212.	233.
6364	47.	57.	110.	159.	186.	210.	237.	262.
6366	37.	82.	117.	159.	186.	217.	241.	264.
6367	55.	104.	130.	172.	193.	211.	222.	254.
6370	51.	106.	137.	171.	206.	227.	252.	273.
6373	56.	124.	176.	219.	246.	269.	295.	317.
6377	50.	105.	140.	196.	220.	240.	267.	294.
6381	62.	124.	168.	212.	236.	252.	282.	298.
6388	46.	103.	148.	196.	223.	244.	284.	313.
6389	65.	130.	173.	221.	244.	267.	290.	317.
6391	50.	101.	140.	190.	219.	246.	268.	292.
6405	41.	78.	108.	143.	165.	176.	192.	210.
6410	50.	105.	133.	169.	189.	212.	228.	240.
6414	52.	114.	153.	194.	229.	247.	277.	299.
6416	49.	111.	149.	184.	206.	233.	248.	259.
MEAN	51.	104.	142.	183.	210.	232.	255.	276.
S.D.	6.8	17.1	20.6	24.3	27.0	29.2	35.8	38.6
S.E.	1.5	3.8	4.6	5.4	6.0	6.5	8.0	8.6
N	20	20	20	20	20	20	20	20

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 4

WEEK	MALE GROUP: CONTROL DIET				
	0 TO 9	0 TO 10	0 TO 11	0 TO 12	0 TO 13
ANIMAL					
6357	302.	308.	325.	341.	352.
6358	287.	312.	327.	330.	344.
6360	247.	256.	273.	293.	298.
6365	310.	334.	340.	348.	352.
6368	257.	267.	290.	299.	316.
6369	256.	271.	294.	313.	320.
6375	238.	246.	244.	255.	262.
6380	285.	298.	315.	328.	332.
6383	304.	317.	322.	332.	347.
6384	235.	251.	263.	274.	278.
6385	335.	361.	378.	396.	406.
6392	331.	341.	358.	360.	376.
6394	341.	337.	371.	378.	388.
6395	258.	276.	286.	296.	303.
6397	281.	302.	323.	334.	342.
6399	261.	274.	289.	302.	311.
6400	261.	278.	294.	309.	320.
6406	297.	316.	328.	337.	341.
6415	293.	306.	319.	320.	333.
6419	277.	288.	299.	309.	320.
MEAN	283.	297.	312.	323.	332.
S.D.	31.5	32.1	34.6	33.5	34.7
S.E.	7.0	7.2	7.7	7.5	7.8
N	20	20	20	20	20

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 5

MALE GROUP: 5% TEST DIET					
WEEK	0 TO 9	0 TO 10	0 TO 11	0 TO 12	0 TO 13

ANIMAL					
6350	264.	274.	290.	307.	321.
6353	294.	308.	324.	342.	353.
6354	260.	267.	286.	297.	309.
6356	259.	269.	282.	294.	301.
6371	294.	307.	309.	318.	326.
6372	272.	290.	301.	306.	306.
6374	267.	284.	295.	305.	319.
6376	315.	310.	330.	341.	350.
6378	314.	325.	338.	350.	353.
6379	255.	270.	279.	294.	302.
6382	271.	284.	293.	301.	305.
6386	332.	338.	348.	360.	374.
6387	255.	269.	274.	280.	278.
6393	328.	298.	329.	350.	354.
6402	253.	265.	281.	294.	300.
6407	254.	274.	285.	290.	292.
6408	300.	309.	315.	326.	346.
6411	288.	284.	304.	316.	338.
6412	253.	254.	265.	274.	277.
6413	361.	372.	387.	391.	410.
MEAN	284.	293.	306.	317.	326.
S.D.	31.8	28.9	29.8	30.2	33.8
S.E.	7.1	6.5	6.7	6.8	7.6
N	20	20	20	20	20

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 SPONSOR:MONSANTO COMPANY
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TABLE A5
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 6

SPONSOR NO.: WF 2007 000						MALE GROUP: 15% TEST DIET					
WEEK	0 TO 9	0 TO 10	0 TO 11	0 TO 12	0 TO 13						

ANIMAL											
6351	256.	259.	272.	282.	286.						
6352	300.	321.	329.	335.	346.						
6359	416.	439.	457.	463.	487.						
6361	259.	277.	285.	293.	293.						
6362	270.	276.	298.	305.	325.						
6363	245.	267.	272.	271.	279.						
6364	283.	299.	324.	334.	349.						
6366	290.	303.	320.	331.	333.						
6367	265.	272.	284.	287.	298.						
6370	290.	304.	326.	334.	336.						
6373	338.	360.	376.	381.	390.						
6377	310.	312.	338.	350.	366.						
6381	317.	330.	343.	352.	355.						
6388	339.	357.	376.	380.	396.						
6389	332.	347.	358.	367.	365.						
6391	308.	328.	342.	356.	363.						
6405	224.	239.	257.	258.	266.						
6410	258.	270.	280.	290.	288.						
6414	323.	337.	350.	359.	360.						
6416	272.	291.	304.	312.	316.						
MEAN	295.	309.	325.	332.	340.						
S.D.	43.2	45.7	46.9	47.7	51.0						
S.E.	9.7	10.2	10.5	10.7	11.4						
N	20	20	20	20	20						

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 7

FEMALE GROUP: CONTROL DIET																
WEEK	0 TO	1	0 TO	2	0 TO	3	0 TO	4	0 TO	5	0 TO	6	0 TO	7	0 TO	8

ANIMAL																
6422	22.		48.		66.		85.		95.		103.		111.		121.	
6430	17.		35.		44.		61.		70.		75.		87.		95.	
6435	23.		50.		67.		83.		94.		98.		106.		116.	
6436	23.		46.		67.		89.		93.		97.		113.		126.	
6440	29.		58.		66.		91.		102.		107.		110.		123.	
6442	15.		40.		56.		67.		69.		87.		91.		99.	
6443	21.		44.		61.		72.		78.		80.		92.		96.	
6445	25.		57.		79.		93.		103.		121.		137.		148.	
6452	25.		45.		68.		83.		92.		86.		111.		122.	
6453	26.		45.		63.		81.		86.		90.		103.		110.	
6454	30.		81.		80.		107.		118.		128.		139.		141.	
6457	23.		52.		69.		72.		83.		86.		95.		100.	
6458	14.		37.		52.		63.		83.		88.		93.		106.	
6459	8.		35.		44.		55.		59.		74.		82.		86.	
6460	23.		41.		66.		74.		81.		89.		99.		106.	
6466	16.		44.		55.		61.		69.		80.		96.		107.	
6476	21.		47.		59.		71.		84.		95.		106.		114.	
6479	14.		37.		58.		73.		83.		88.		95.		103.	
6480	20.		57.		70.		87.		95.		105.		109.		125.	
6484	16.		34.		46.		48.		65.		79.		83.		80.	
MEAN	21.		47.		62.		76.		85.		93.		103.		111.	
S.D.	5.5		11.0		10.2		14.4		14.5		14.4		15.3		17.1	
S.E.	1.2		2.4		2.3		3.2		3.2		3.2		3.4		3.8	
N	20		20		20		20		20		20		20		20	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 8

WEEK	0 TO 1		0 TO 2		0 TO 3		0 TO 4		0 TO 5		0 TO 6		0 TO 7		0 TO 8	
	FEMALE GROUP: 5% TEST DIET															
ANIMAL																
6421	22.		59.		78.		97.		109.		119.		129.		138.	
6426	19.		41.		50.		57.		68.		76.		76.		85.	
6431	18.		43.		55.		70.		81.		87.		100.		105.	
6433	22.		52.		68.		92.		103.		112.		118.		134.	
6437	18.		41.		61.		73.		83.		89.		97.		108.	
6449	22.		43.		62.		81.		91.		88.		97.		107.	
6450	16.		36.		47.		56.		63.		78.		91.		93.	
6451	25.		53.		71.		88.		96.		107.		115.		117.	
6455	23.		51.		64.		93.		94.		112.		125.		134.	
6456	19.		52.		70.		85.		88.		97.		106.		118.	
6461	16.		44.		52.		65.		68.		83.		92.		93.	
6462	20.		53.		67.		87.		98.		107.		119.		126.	
6465	17.		57.		76.		88.		92.		104.		112.		128.	
6471	18.		46.		63.		88.		102.		106.		104.		125.	
6475	24.		49.		60.		71.		79.		93.		101.		107.	
6478	20.		44.		64.		80.		84.		94.		106.		119.	
6482	23.		54.		73.		93.		101.		113.		115.		134.	
6483	17.		45.		66.		79.		89.		102.		109.		113.	
6487	13.		46.		55.		75.		81.		88.		91.		114.	
6488	20.		43.		50.		66.		74.		84.		93.		99.	
MEAN	20.		48.		63.		79.		87.		97.		105.		115.	
S.D.	3.1		6.0		8.9		12.2		12.7		12.7		13.2		15.3	
S.E.	0.7		1.4		2.0		2.7		2.8		2.8		3.0		3.4	
N	20		20		20		20		20		20		20		20	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 9

WEEK	FEMALE GROUP: 15% TEST DIET							
	0 TO 1	0 TO 2	0 TO 3	0 TO 4	0 TO 5	0 TO 6	0 TO 7	0 TO 8
ANIMAL								
6420	14.	40.	49.	61.	70.	64.	79.	87.
6423	11.	33.	50.	67.	85.	89.	105.	110.
6424	19.	49.	62.	83.	95.	92.	99.	114.
6425	18.	45.	56.	63.	76.	81.	91.	93.
6427	29.	56.	70.	93.	105.	122.	121.	134.
6428	10.	41.	55.	67.	69.	83.	82.	93.
6429	26.	49.	59.	85.	94.	98.	102.	113.
6432	25.	39.	58.	75.	84.	88.	104.	114.
6434	21.	40.	50.	64.	79.	74.	93.	104.
6441	19.	47.	67.	79.	83.	93.	104.	110.
6444	15.	32.	52.	66.	75.	87.	91.	105.
6447	31.	61.	78.	103.	99.	116.	107.	120.
6463	16.	34.	53.	58.	79.	85.	95.	109.
6469	19.	31.	56.	72.	89.	83.	110.	113.
6470	13.	36.	46.	66.	75.	75.	93.	95.
6473	24.	51.	74.	88.	103.	107.	115.	127.
6477	21.	50.	66.	76.	79.	94.	100.	112.
6481	23.	44.	60.	73.	89.	103.	109.	121.
6486	29.	56.	74.	95.	100.	114.	133.	143.
6489	23.	48.	73.	85.	96.	104.	121.	128.
MEAN	20.	44.	60.	76.	86.	93.	103.	112.
S.D.	6.0	8.6	9.6	12.6	11.1	15.0	13.4	14.2
S.E.	1.3	1.9	2.2	2.8	2.5	3.3	3.0	3.2
N	20	20	20	20	20	20	20	20

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 10

FEMALE GROUP: CONTROL DIET					
WEEK	0 TO 9	0 TO 10	0 TO 11	0 TO 12	0 TO 13

ANIMAL					
6422	127.	125.	128.	131.	135.
6430	105.	108.	117.	120.	121.
6435	122.	121.	124.	135.	137.
6436	134.	127.	141.	146.	144.
6440	132.	139.	144.	156.	155.
6442	97.	106.	112.	111.	116.
6443	108.	109.	114.	118.	126.
6445	168.	176.	190.	196.	203.
6452	120.	113.	131.	135.	128.
6453	112.	108.	118.	124.	123.
6454	160.	150.	169.	165.	169.
6457	115.	120.	125.	125.	135.
6458	116.	115.	118.	128.	135.
6459	85.	96.	100.	103.	108.
6460	112.	114.	123.	126.	127.
6466	116.	121.	131.	134.	137.
6476	123.	130.	129.	133.	139.
6479	99.	108.	109.	110.	116.
6480	135.	128.	137.	143.	149.
6484	85.	99.	103.	98.	110.
MEAN	119.	121.	128.	132.	136.
S.D.	21.1	18.5	21.3	22.4	21.9
S.E.	4.7	4.1	4.8	5.0	4.9
N	20	20	20	20	20

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 11

FEMALE GROUP: 5% TEST DIET					
WEEK	0 TO 9	0 TO 10	0 TO 11	0 TO 12	0 TO 13

ANIMAL					
6421	141.	151.	157.	157.	164.
6426	89.	98.	100.	100.	106.
6431	104.	108.	116.	121.	129.
6433	135.	144.	151.	153.	156.
6437	115.	118.	126.	126.	131.
6449	108.	118.	122.	124.	129.
6450	97.	109.	116.	116.	115.
6451	131.	139.	141.	142.	144.
6455	141.	146.	155.	160.	163.
6456	122.	126.	142.	145.	146.
6461	95.	106.	108.	111.	116.
6462	134.	129.	142.	142.	144.
6465	126.	135.	146.	143.	144.
6471	130.	129.	135.	141.	139.
6475	113.	124.	124.	129.	136.
6478	118.	132.	133.	140.	139.
6482	133.	132.	145.	141.	149.
6483	119.	128.	135.	141.	146.
6487					
6488	105.	106.	109.	112.	117.
MEAN	119.	125.	132.	134.	138.
S.D.	15.8	14.9	16.7	16.5	16.1
S.E.	3.6	3.4	3.8	3.8	3.7
N	19	19	19	19	19

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A5
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CUMULATIVE BODY WEIGHT CHANGES [G]

PAGE 12

FEMALE GROUP: 15% TEST DIET					
WEEK	0 TO 9	0 TO 10	0 TO 11	0 TO 12	0 TO 13

ANIMAL					
6420	88.	82.	95.	98.	94.
6423	129.	130.	145.	148.	159.
6424	126.	126.	125.	137.	139.
6425	95.	106.	108.	109.	120.
6427	132.	145.	141.	150.	154.
6428	104.	115.	117.	123.	126.
6429	121.	123.	123.	131.	135.
6432	118.	116.	128.	137.	131.
6434	110.	126.	140.	154.	163.
6441	104.	116.	122.	130.	125.
6444	107.	112.	118.	122.	124.
6447	128.	128.	130.	144.	134.
6463	119.	115.	124.	131.	139.
6469	122.	131.	130.	136.	132.
6470	105.	107.	111.	116.	112.
6473	132.	133.	141.	136.	141.
6477	113.	129.	130.	131.	136.
6481	126.	131.	134.	142.	140.
6486	151.	155.	164.	170.	167.
6489	129.	124.	136.	147.	141.
MEAN	118.	123.	128.	135.	136.
S.D.	14.8	15.3	15.0	16.3	17.2
S.E.	3.3	3.4	3.3	3.6	3.8
N	20	20	20	20	20

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 1

WEEK	-2 TO	-1	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7
ANIMAL																
6357	24.		28.			29.		31.		32.		24.		31.		30.
6358	23.		26.			27.		27.		27.		28.		28.		28.
6360	22.		26.			28.		27.		25.		26.		27.		27.
6365	24.		34.			NA		34.		NA		NA		NA		NA
6368	23.		25.			27.		26.		27.		28.		28.		29.
6369	22.		26.			26.		25.		24.		25.		26.		26.
6375	21.		26.			28.		28.		26.		27.		27.		28.
6380	23.		27.			28.		28.		28.		29.		28.		29.
6383	23.		25.			27.		28.		28.		29.		30.		28.
6384	21.		25.			25.		25.		24.		26.		25.		24.
6385	25.		29.			31.		33.		32.		32.		32.		33.
6392	27.		30.			31.		32.		31.		33.		34.		34.
6394	25.		29.			30.		32.		33.		33.		33.		32.
6395	21.		25.			25.		25.		26.		26.		26.		26.
6397	21.		25.			26.		28.		27.		29.		28.		29.
6399	20.		25.			24.		24.		25.		25.		27.		26.
6400	22.		26.			26.		26.		26.		26.		26.		27.
6406	24.		29.			29.		29.		28.		29.		27.		30.
6415	24.		27.			26.		28.		28.		29.		29.		30.
6419	23.		26.			26.		27.		27.		29.		28.		29.
MEAN	23.		27.			27.		28.		28.		28.		28.		29.
S.D.	1.7		2.3			2.0		2.9		2.7		2.6		2.5		2.5
S.E.	0.4		0.5			0.5		0.6		0.6		0.6		0.6		0.6
N	20		20			19		20		19		19		19		19

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 2

WEEK	-2 TO	-1	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7

ANIMAL																
6350	22.		24.			25.		27.		27.		28.		27.		27.
6353	25.		27.			30.		32.		31.		30.		29.		31.
6354	22.		24.			24.		25.		25.		26.		26.		26.
6356	20.		24.			25.		26.		24.		23.		25.		25.
6371	25.		30.			30.		33.		31.		32.		31.		31.
6372	21.		25.			28.		29.		28.		28.		27.		27.
6374	24.		26.			28.		30.		29.		30.		29.		29.
6376	24.		26.			28.		29.		28.		30.		29.		30.
6378	24.		28.			31.		31.		32.		31.		30.		31.
6379	23.		27.			26.		27.		25.		27.		27.		26.
6382	22.		24.			27.		28.		26.		27.		25.		25.
6386	26.		27.			30.		28.		31.		31.		31.		30.
6387	21.		21.			26.		28.		26.		26.		22.		24.
6393	24.		28.			30.		30.		32.		31.		31.		32.
6402	22.		24.			25.		27.		26.		27.		26.		NA
6407	24.		28.			29.		31.		24.		29.		28.		22.
6408	22.		25.			28.		30.		29.		30.		28.		29.
6411	23.		27.			27.		25.		27.		28.		30.		29.
6412	21.		24.			26.		27.		26.		27.		26.		26.
6413	25.		30.			31.		33.		34.		NA		NA		NA
MEAN	23.		26.			28.		29.		28.		28.		28.		28.
S.D.	1.7		2.3			2.2		2.4		2.9		2.3		2.4		2.8
S.E.	0.4		0.5			0.5		0.5		0.7		0.5		0.6		0.7
N	20		20			20		20		20		19		19		18

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 3

WEEK	-2 TO	-1	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7

ANIMAL																
6351	23.		27.		27.		27.		27.		29.		27.		28.	
6352	25.		27.		29.		30.		31.		32.		31.		32.	
6359	21.		27.		29.		32.		34.		NA		NA		NA	
6361	23.		25.		26.		27.		29.		29.		29.		29.	
6362	22.		26.		26.		27.		29.		31.		29.		26.	
6363	24.		27.		25.		27.		28.		29.		31.		30.	
6364	22.		25.		17.		27.		30.		30.		29.		30.	
6366	24.		25.		24.		26.		28.		29.		29.		30.	
6367	22.		27.		27.		27.		29.		28.		27.		27.	
6370	20.		23.		25.		27.		27.		29.		27.		28.	
6373	22.		26.		30.		27.		33.		33.		32.		32.	
6377	24.		26.		27.		28.		32.		32.		30.		31.	
6381	24.		28.		29.		34.		32.		33.		31.		31.	
6388	23.		26.		27.		30.		33.		26.		32.		33.	
6389	25.		30.		31.		33.		34.		NA		34.		33.	
6391	22.		25.		28.		29.		32.		31.		31.		32.	
6405	23.		25.		24.		25.		27.		28.		26.		26.	
6410	19.		25.		26.		27.		29.		28.		27.		28.	
6414	23.		26.		28.		29.		31.		33.		31.		32.	
6416	23.		26.		28.		26.		32.		31.		30.		30.	
MEAN	23.		26.		27.		28.		30.		30.		30.		30.	
S.D.	1.5		1.4		3.0		2.4		2.3		2.0		2.1		2.2	
S.E.	0.3		0.3		0.7		0.5		0.5		0.5		0.5		0.5	
N	20		20		20		20		20		18		19		19	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 4

WEEK	7 TO 8	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13

ANIMAL						
6357	27.	28.	NA	28.	29.	30.
6358	28.	28.	28.	27.	27.	28.
6360	27.	26.	24.	26.	26.	25.
6365	NA	31.	NA	33.	33.	NA
6368	29.	28.	28.	28.	29.	29.
6369	26.	27.	26.	26.	27.	27.
6375	27.	25.	24.	21.	24.	23.
6380	30.	29.	28.	28.	30.	28.
6383	30.	30.	28.	27.	28.	28.
6384	24.	24.	24.	23.	24.	24.
6385	32.	31.	31.	33.	33.	30.
6392	32.	32.	30.	28.	30.	31.
6394	33.	32.	28.	31.	32.	32.
6395	26.	26.	26.	26.	27.	26.
6397	29.	27.	29.	30.	30.	29.
6399	26.	26.	25.	25.	27.	26.
6400	27.	27.	26.	26.	28.	28.
6406	30.	30.	29.	28.	28.	27.
6415	28.	29.	30.	29.	28.	29.
6419	28.	27.	27.	27.	28.	28.
MEAN	28.	28.	27.	28.	28.	28.
S.D.	2.4	2.3	2.2	2.9	2.5	2.3
S.E.	0.5	0.5	0.5	0.7	0.6	0.5
N	19	20	18	20	20	19

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 5

		MALE GROUP: 5% TEST DIET											
WEEK	7 TO	8	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13	

ANIMAL													
6350	28.		27.		27.		27.		28.		28.		
6353	32.		30.		29.		30.		31.		30.		
6354	27.		26.		26.		27.		26.		26.		
6356	25.		25.		24.		25.		25.		25.		
6371	31.		31.		32.		32.		NA		29.		
6372	29.		26.		27.		27.		26.		24.		
6374	29.		28.		30.		29.		28.		29.		
6376	30.		29.		28.		29.		29.		29.		
6378	30.		29.		29.		30.		28.		28.		
6379	33.		27.		28.		27.		28.		27.		
6382	26.		26.		25.		26.		24.		24.		
6386	32.		33.		32.		31.		30.		30.		
6387	24.		25.		24.		24.		23.		23.		
6393	32.		31.		24.		31.		31.		30.		
6402	27.		27.		27.		28.		28.		26.		
6407	29.		28.		29.		28.		26.		25.		
6408	30.		31.		30.		30.		29.		31.		
6411	30.		29.		25.		29.		28.		29.		
6412	27.		25.		25.		24.		24.		25.		
6413	34.		NA		33.		34.		32.		34.		
MEAN	29.		28.		28.		28.		28.		28.		
S.D.	2.7		2.4		2.8		2.6		2.5		2.8		
S.E.	0.6		0.5		0.6		0.6		0.6		0.6		
N	20		19		20		20		19		20		

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 6

MALE GROUP: 15% TEST DIET												
WEEK	7 TO	8	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13

ANIMAL												
6351	27.		26.		26.		27.		26.		27.	
6352	31.		30.		31.		31.		30.		30.	
6359	NA		NA		NA		NA		NA		NA	
6361	28.		27.		28.		29.		28.		30.	
6362	28.		29.		28.		30.		29.		30.	
6363	28.		27.		28.		28.		26.		27.	
6364	30.		28.		28.		29.		30.		29.	
6366	29.		28.		28.		30.		30.		27.	
6367	28.		25.		27.		27.		26.		26.	
6370	27.		27.		28.		29.		29.		27.	
6373	32.		31.		33.		32.		32.		31.	
6377	31.		29.		30.		30.		30.		31.	
6381	30.		30.		31.		30.		31.		31.	
6388	33.		32.		33.		34.		33.		32.	
6389	34.		34.		32.		33.		33.		31.	
6391	31.		29.		31.		31.		32.		32.	
6405	26.		26.		27.		28.		26.		27.	
6410	27.		27.		28.		31.		27.		27.	
6414	NA		31.		32.		31.		30.		29.	
6416	29.		28.		30.		31.		31.		29.	
MEAN	29.		29.		29.		30.		29.		29.	
S.D.	2.3		2.3		2.2		1.9		2.4		2.0	
S.E.	0.5		0.5		0.5		0.4		0.5		0.5	
N	18		19		19		19		19		19	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 7

WEEK	-2 TO	-1	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7
FEMALE GROUP: CONTROL DIET																
ANIMAL																
6422	18.		20.		19.		20.		21.		20.		20.		21.	
6430	18.		20.		19.		19.		18.		18.		18.		20.	
6435	19.		20.		21.		20.		20.		20.		19.		22.	
6436	18.		19.		21.		21.		21.		21.		23.		22.	
6440	19.		23.		22.		22.		23.		25.		27.		23.	
6442	22.		23.		24.		26.		NA		23.		27.		21.	
6443	18.		19.		22.		19.		19.		NA		25.		19.	
6445	20.		24.		21.		25.		22.		23.		24.		24.	
6452	18.		19.		19.		21.		19.		21.		20.		22.	
6453	19.		20.		19.		20.		21.		21.		21.		22.	
6454	20.		22.		25.		19.		23.		24.		23.		24.	
6457	19.		20.		21.		25.		20.		21.		19.		20.	
6458	17.		20.		18.		18.		20.		21.		20.		21.	
6459	17.		16.		17.		17.		16.		17.		18.		18.	
6460	19.		19.		18.		21.		19.		19.		19.		19.	
6466	20.		21.		22.		22.		18.		19.		21.		23.	
6476	20.		21.		20.		20.		20.		20.		20.		19.	
6479	18.		19.		18.		19.		18.		18.		18.		18.	
6480	19.		19.		20.		11.		20.		20.		20.		21.	
6484	19.		20.		19.		NA		18.		22.		22.		21.	
MEAN	19.		20.		20.		20.		20.		21.		21.		21.	
S.D.	1.2		1.8		2.1		3.3		1.8		2.1		2.8		1.8	
S.E.	0.3		0.4		0.5		0.8		0.4		0.5		0.6		0.4	
N	20		20		20		19		19		19		20		20	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 8

FEMALE GROUP: 5% TEST DIET																
WEEK	-2 TO	-1	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7

ANIMAL																
6421	19.		20.			20.		22.		21.		22.		22.		22.
6426	11.		18.			18.		18.		17.		19.		18.		18.
6431	19.		18.			20.		20.		20.		21.		19.		20.
6433	19.		19.			21.		22.		22.		22.		22.		22.
6437	17.		18.			18.		19.		18.		19.		18.		19.
6449	19.		21.			19.		23.		21.		21.		18.		20.
6450	19.		19.			19.		20.		18.		20.		20.		20.
6451	18.		19.			20.		21.		22.		25.		22.		23.
6455	18.		20.			21.		21.		23.		23.		24.		24.
6456	19.		18.			21.		23.		21.		23.		21.		22.
6461	20.		19.			18.		19.		19.		20.		19.		19.
6462	20.		19.			21.		21.		22.		23.		21.		22.
6465	19.		19.			21.		22.		20.		21.		21.		20.
6471	17.		17.			19.		20.		21.		22.		20.		21.
6475	20.		21.			20.		21.		19.		22.		21.		21.
6478	19.		19.			18.		20.		20.		19.		19.		20.
6482	25.		22.			22.		23.		24.		23.		25.		23.
6483	19.		18.			19.		20.		21.		23.		22.		20.
6487	22.		22.			20.		21.		23.		23.		23.		23.
6488	20.		21.			20.		20.		22.		21.		20.		22.
MEAN	19.		19.			20.		21.		21.		22.		21.		21.
S.D.	2.5		1.4			1.2		1.4		1.8		1.6		2.0		1.6
S.E.	0.6		0.3			0.3		0.3		0.4		0.4		0.4		0.4
N	20		20			20		20		20		20		20		20

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 9

FEMALE GROUP: 15% TEST DIET																
WEEK	-2 TO	-1	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7

ANIMAL																
6420	19.		18.		19.		19.		19.		19.		18.		19.	
6423	20.		19.		19.		22.		23.		22.		22.		24.	
6424	19.		18.		20.		19.		21.		21.		22.		NA	
6425	19.		20.		19.		20.		19.		20.		20.		19.	
6427	16.		19.		21.		20.		21.		22.		23.		20.	
6428	21.		21.		21.		23.		20.		21.		20.		21.	
6429	17.		19.		18.		18.		20.		20.		19.		20.	
6432	17.		19.		18.		21.		21.		21.		21.		22.	
6434	18.		18.		19.		19.		19.		22.		19.		21.	
6441	18.		19.		19.		21.		20.		21.		21.		19.	
6444	19.		20.		19.		20.		19.		20.		21.		20.	
6447	18.		21.		20.		21.		24.		21.		23.		20.	
6463	19.		16.		18.		18.		17.		21.		21.		20.	
6469	16.		18.		16.		18.		18.		20.		18.		20.	
6470	18.		17.		18.		18.		19.		19.		18.		20.	
6473	19.		20.		20.		24.		21.		22.		25.		NA	
6477	20.		22.		21.		21.		20.		20.		21.		20.	
6481	19.		20.		20.		20.		20.		22.		22.		21.	
6486	18.		21.		21.		22.		22.		21.		22.		25.	
6489	21.		21.		27.		25.		25.		24.		23.		26.	
MEAN	19.		19.		20.		20.		20.		21.		21.		21.	
S.D.	1.4		1.5		2.2		2.0		2.0		1.2		1.9		2.0	
S.E.	0.3		0.3		0.5		0.4		0.4		0.3		0.4		0.5	
N	20		20		20		20		20		20		20		18	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 10

WEEK	FEMALE GROUP: CONTROL DIET											
	7 TO	8	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13
ANIMAL												
6422	20.		19.		19.		18.		19.		19.	
6430	18.		18.		17.		17.		18.		18.	
6435	21.		20.		20.		18.		23.		20.	
6436	22.		20.		20.		21.		21.		20.	
6440	22.		21.		22.		22.		23.		21.	
6442	20.		19.		21.		23.		21.		NA	
6443	19.		19.		17.		17.		18.		18.	
6445	23.		24.		24.		24.		24.		24.	
6452	20.		19.		19.		20.		19.		19.	
6453	20.		19.		19.		19.		19.		20.	
6454	22.		23.		22.		22.		22.		21.	
6457	19.		21.		20.		20.		20.		21.	
6458	21.		20.		19.		19.		20.		20.	
6459	17.		21.		17.		16.		17.		18.	
6460	19.		19.		18.		18.		17.		18.	
6466	22.		23.		23.		25.		25.		24.	
6476	20.		21.		18.		18.		19.		19.	
6479	19.		17.		17.		16.		16.		18.	
6480	23.		22.		21.		21.		22.		20.	
6484	19.		31.		19.		20.		19.		21.	
MEAN	20.		21.		20.		20.		20.		20.	
S.D.	1.7		3.0		2.1		2.6		2.5		1.8	
S.E.	0.4		0.7		0.5		0.6		0.6		0.4	
N	20		20		20		20		20		19	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A6
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 11

		FEMALE GROUP: 5% TEST DIET											
WEEK	7 TO	8	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13	

ANIMAL													
6421	22.		21.		22.		20.		20.		21.		
6426	18.		19.		19.		17.		18.		19.		
6431	21.		19.		20.		20.		21.		22.		
6433	22.		22.		22.		22.		21.		21.		
6437	19.		18.		19.		18.		18.		18.		
6449	19.		20.		21.		18.		19.		19.		
6450	19.		20.		21.		20.		19.		19.		
6451	23.		24.		23.		24.		23.		23.		
6455	23.		23.		23.		23.		22.		21.		
6456	20.		22.		22.		22.		22.		20.		
6461	18.		18.		20.		20.		19.		20.		
6462	22.		21.		20.		21.		20.		20.		
6465	22.		21.		22.		21.		20.		19.		
6471	23.		21.		19.		22.		21.		20.		
6475	21.		21.		20.		20.		21.		21.		
6478	21.		20.		22.		21.		21.		19.		
6482	24.		22.		21.		22.		21.		21.		
6483	20.		20.		21.		26.		20.		21.		
6487	25.												
6488	21.		21.		19.		19.		19.		19.		
MEAN	21.		21.		21.		21.		20.		20.		
S.D.	2.0		1.6		1.3		2.2		1.4		1.3		
S.E.	0.4		0.4		0.3		0.5		0.3		0.3		
N	20		19		19		19		19		19		

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A6
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL FOOD CONSUMPTION [G/ANIMAL/DAY]

PAGE 12

FEMALE GROUP: 15% TEST DIET												
WEEK	7 TO	8	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13

ANIMAL												
6420	17.		17.		18.		19.		17.		16.	
6423	22.		23.		22.		23.		22.		24.	
6424	9.		20.		19.		19.		20.		19.	
6425	18.		18.		19.		18.		19.		20.	
6427	20.		19.		22.		19.		20.		20.	
6428	20.		21.		23.		22.		22.		20.	
6429	19.		19.		18.		18.		20.		18.	
6432	20.		20.		20.		21.		22.		20.	
6434	21.		20.		22.		22.		25.		25.	
6441	19.		19.		20.		19.		20.		19.	
6444	20.		19.		19.		20.		20.		20.	
6447	21.		21.		20.		20.		23.		20.	
6463	21.		19.		20.		19.		22.		22.	
6469	19.		17.		19.		18.		19.		18.	
6470	18.		18.		18.		17.		18.		17.	
6473	21.		24.		NA		20.		19.		NA	
6477	NA		20.		21.		20.		22.		22.	
6481	21.		20.		21.		20.		21.		19.	
6486	23.		22.		22.		23.		22.		21.	
6489	24.		23.		21.		22.		25.		21.	
MEAN	20.		20.		20.		20.		21.		20.	
S.D.	3.1		1.9		1.5		1.7		2.1		2.2	
S.E.	0.7		0.4		0.4		0.4		0.5		0.5	
N	19		20		19		20		20		19	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 1

WEEK	0 TO	1	1 TO	2	2 TO	3	3 TO	MALE 4	GROUP: 4 TO	CONTROL 5	DIET 5 TO	6	6 TO	7	7 TO	8
ANIMAL																
6357	0.			0.		0.		0.		0.		0.		0.		0.
6358	0.			0.		0.		0.		0.		0.		0.		0.
6360	0.			0.		0.		0.		0.		0.		0.		0.
6365	0.			NA		0.		NA		NA		NA		NA		NA
6368	0.			0.		0.		0.		0.		0.		0.		0.
6369	0.			0.		0.		0.		0.		0.		0.		0.
6375	0.			0.		0.		0.		0.		0.		0.		0.
6380	0.			0.		0.		0.		0.		0.		0.		0.
6383	0.			0.		0.		0.		0.		0.		0.		0.
6384	0.			0.		0.		0.		0.		0.		0.		0.
6385	0.			0.		0.		0.		0.		0.		0.		0.
6392	0.			0.		0.		0.		0.		0.		0.		0.
6394	0.			0.		0.		0.		0.		0.		0.		0.
6395	0.			0.		0.		0.		0.		0.		0.		0.
6397	0.			0.		0.		0.		0.		0.		0.		0.
6399	0.			0.		0.		0.		0.		0.		0.		0.
6400	0.			0.		0.		0.		0.		0.		0.		0.
6406	0.			0.		0.		0.		0.		0.		0.		0.
6415	0.			0.		0.		0.		0.		0.		0.		0.
6419	0.			0.		0.		0.		0.		0.		0.		0.
MEAN	0.			0.		0.		0.		0.		0.		0.		0.
S.D.	0.0			0.0		0.0		0.0		0.0		0.0		0.0		0.0
S.E.	0.0			0.0		0.0		0.0		0.0		0.0		0.0		0.0
N	20			19		20		19		19		19		19		19

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 2

WEEK	0 TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 5	5 TO 6	6 TO 7	7 TO 8
ANIMAL								
6350	5333.	4529.	4206.	3814.	3646.	3325.	3176.	3125.
6353	5649.	5137.	4720.	4155.	3713.	3396.	3444.	3333.
6354	5286.	4444.	4072.	3687.	3523.	3283.	3095.	3054.
6356	5505.	4682.	4248.	3561.	3168.	3264.	3094.	2948.
6371	6148.	5017.	4769.	4047.	3893.	3596.	3407.	3209.
6372	5869.	5204.	4603.	4023.	3743.	3435.	3245.	3318.
6374	5328.	4778.	4386.	3846.	3722.	3412.	3237.	3092.
6376	5439.	4714.	4143.	3636.	3571.	3201.	3158.	3036.
6378	6087.	5363.	4519.	4167.	3717.	3371.	3298.	3049.
6379	5895.	4676.	4245.	3613.	3649.	3453.	3186.	3864.
6382	5911.	5212.	4487.	3757.	3600.	3173.	3027.	2989.
6386	5579.	4983.	3944.	3944.	3656.	3444.	3145.	3143.
6387	4907.	4869.	4375.	3641.	3403.	2813.	2963.	2830.
6393	6009.	5190.	4348.	4113.	3664.	3422.	3292.	3137.
6402	5911.	5061.	4655.	4025.	3857.	3504.	NA	3253.
6407	5983.	5000.	4532.	3315.	3846.	3465.	2576.	3237.
6408	5814.	5204.	4717.	4062.	3846.	3415.	3356.	3268.
6411	5921.	4770.	3765.	3709.	3581.	3606.	3303.	3240.
6412	5714.	4981.	4426.	3892.	3760.	3412.	3234.	3199.
6413	6356.	5167.	4545.	4146.	NA	NA	NA	3226.
MEAN	5732.	4949.	4385.	3858.	3661.	3368.	3180.	3178.
S.D.	351.7	254.8	269.0	238.0	172.2	176.0	196.4	207.0
S.E.	78.6	57.0	60.2	53.2	39.5	40.4	46.3	46.3
N	20	20	20	20	19	19	18	20

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 3

WEEK	0 TO	1	1 TO	2	2 TO	3	3 TO	MALE 4	GROUP: 15% 4 TO	TEST DIET 5	5 TO	6	6 TO	7	7 TO	8
ANIMAL																
6351	17161.		13966.		12054.		11005.		11013.		9759.		9722.		9060.	
6352	16531.		14356.		12931.		12016.		11401.		10497.		10278.		9509.	
6359	18664.		15704.		14243.		13043.		NA		NA		NA		NA	
6361	15890.		13781.		12539.		12358.		11387.		10610.		10069.		9333.	
6362	17333.		14182.		12736.		12219.		11893.		10558.		9176.		9545.	
6363	16397.		12669.		12162.		11602.		11211.		11314.		10490.		9438.	
6364	16892.		10200.		14362.		13514.		12129.		10985.		10664.		10045.	
6366	16234.		13235.		12500.		12000.		11299.		10507.		10204.		9355.	
6367	18243.		14781.		13023.		12609.		11141.		10227.		9854.		9722.	
6370	16507.		14313.		13279.		12018.		11694.		10125.		9929.		9081.	
6373	17972.		16129.		11947.		12791.		11730.		10738.		10191.		9697.	
6377	16883.		14261.		12766.		12834.		11594.		10321.		10109.		9548.	
6381	17872.		14646.		14571.		12183.		11565.		10379.		9873.		9109.	
6388	18224.		15226.		14196.		13636.		9726.		11294.		10879.		10102.	
6389	17110.		14177.		12958.		11944.		NA		10494.		9725.		9551.	
6391	17523.		15849.		14032.		13559.		11802.		11019.		10762.		9915.	
6405	16892.		13793.		12755.		12385.		11831.		10484.		10130.		9701.	
6410	18204.		15058.		13500.		13102.		11667.		10602.		10474.		9759.	
6414	16810.		14533.		12794.		12237.		11842.		10473.		10256.		NA	
6416	16525.		14433.		11437.		12698.		11453.		10441.		9956.		9355.	
MEAN	17193.		14265.		13039.		12488.		11465.		10570.		10144.		9546.	
S.D.	780.9		1273.7		873.8		676.3		522.4		380.3		407.9		306.0	
S.E.	174.6		284.8		195.4		151.2		123.1		87.2		93.6		72.1	
N	20		20		20		20		18		19		19		18	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A7
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 4

		MALE GROUP: CONTROL DIET									
WEEK	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13	

ANIMAL											
6357	0.		NA		0.		0.		0.		
6358	0.		0.		0.		0.		0.		
6360	0.		0.		0.		0.		0.		
6365	0.		NA		0.		0.		NA		
6368	0.		0.		0.		0.		0.		
6369	0.		0.		0.		0.		0.		
6375	0.		0.		0.		0.		0.		
6380	0.		0.		0.		0.		0.		
6383	0.		0.		0.		0.		0.		
6384	0.		0.		0.		0.		0.		
6385	0.		0.		0.		0.		0.		
6392	0.		0.		0.		0.		0.		
6394	0.		0.		0.		0.		0.		
6395	0.		0.		0.		0.		0.		
6397	0.		0.		0.		0.		0.		
6399	0.		0.		0.		0.		0.		
6400	0.		0.		0.		0.		0.		
6406	0.		0.		0.		0.		0.		
6415	0.		0.		0.		0.		0.		
6419	0.		0.		0.		0.		0.		
MEAN	0.		0.		0.		0.		0.		
S.D.	0.0		0.0		0.0		0.0		0.0		
S.E.	0.0		0.0		0.0		0.0		0.0		
N	20		18		20		20		19		

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 5

MALE GROUP: 5% TEST DIET					
WEEK	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13

ANIMAL					
6350	2916.	2866.	2789.	2794.	2713.
6353	2988.	2810.	2825.	2828.	2664.
6354	2826.	2766.	2795.	2610.	2554.
6356	2815.	2626.	2665.	2599.	2546.
6371	3075.	3083.	3042.	NA	2685.
6372	2876.	2891.	2801.	2653.	2439.
6374	2899.	3018.	2838.	2687.	2720.
6376	2805.	2652.	2710.	2632.	2585.
6378	2843.	2767.	2799.	2555.	2518.
6379	3000.	2991.	2813.	2846.	2684.
6382	2889.	2711.	2754.	2500.	2469.
6386	3078.	2909.	2778.	2636.	2577.
6387	2847.	2637.	2581.	2447.	2436.
6393	2930.	2290.	2952.	2813.	2664.
6402	3125.	3027.	3043.	2947.	2686.
6407	3037.	3059.	2857.	2610.	2495.
6408	3216.	3024.	2982.	2832.	2941.
6411	2996.	2551.	2912.	2724.	2731.
6412	2860.	2834.	2685.	2626.	2700.
6413	NA	2860.	2881.	2671.	2782.

MEAN	2948.	2819.	2825.	2685.	2629.
S.D.	116.7	200.8	120.5	129.7	127.7
S.E.	26.8	44.9	27.0	29.8	28.6
N	19	20	20	19	20

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A7
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 6

MALE GROUP: 15% TEST DIET					
WEEK	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13
ANIMAL					
6351	8478.	8316.	8491.	7992.	8182.
6352	8893.	8840.	8611.	8227.	8094.
6359	NA	NA	NA	NA	NA
6361	8672.	8696.	8770.	8333.	8858.
6362	9498.	8917.	9278.	8700.	8772.
6363	8785.	8787.	8537.	7895.	8149.
6364	8917.	8589.	8529.	8539.	8056.
6366	8589.	8251.	8588.	8364.	7445.
6367	8260.	8747.	8581.	8125.	8008.
6370	8710.	8750.	8735.	8480.	7819.
6373	8994.	9201.	8618.	8451.	8087.
6377	8563.	8704.	8475.	8182.	8245.
6381	8789.	8807.	8318.	8424.	8333.
6388	9284.	9184.	9140.	8699.	8290.
6389	9189.	8421.	8491.	8347.	7802.
6391	8896.	9172.	8874.	8922.	8743.
6405	9330.	9353.	9354.	8497.	8747.
6410	9419.	9438.	10197.	8691.	8617.
6414	8994.	8955.	8455.	8021.	7686.
6416	8805.	9128.	9136.	8960.	8286.
MEAN	8898.	8856.	8799.	8413.	8222.
S.D.	331.8	333.1	452.1	299.3	392.7
S.E.	76.1	76.4	103.7	68.7	90.1
N	19	19	19	19	19

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 7

WEEK	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7	7 TO	8
FEMALE GROUP: CONTROL DIET																
ANIMAL																
6422	0.			0.		0.		0.		0.		0.		0.		0.
6430	0.			0.		0.		0.		0.		0.		0.		0.
6435	0.			0.		0.		0.		0.		0.		0.		0.
6436	0.			0.		0.		0.		0.		0.		0.		0.
6440	0.			0.		0.		0.		0.		0.		0.		0.
6442	0.			0.		0.		NA		0.		0.		0.		0.
6443	0.			0.		0.		0.		NA		0.		0.		0.
6445	0.			0.		0.		0.		0.		0.		0.		0.
6452	0.			0.		0.		0.		0.		0.		0.		0.
6453	0.			0.		0.		0.		0.		0.		0.		0.
6454	0.			0.		0.		0.		0.		0.		0.		0.
6457	0.			0.		0.		0.		0.		0.		0.		0.
6458	0.			0.		0.		0.		0.		0.		0.		0.
6459	0.			0.		0.		0.		0.		0.		0.		0.
6460	0.			0.		0.		0.		0.		0.		0.		0.
6466	0.			0.		0.		0.		0.		0.		0.		0.
6476	0.			0.		0.		0.		0.		0.		0.		0.
6479	0.			0.		0.		0.		0.		0.		0.		0.
6480	0.			0.		0.		0.		0.		0.		0.		0.
6484	0.			0.		NA		0.		0.		0.		0.		0.
MEAN	0.			0.		0.		0.		0.		0.		0.		0.
S.D.	0.0			0.0		0.0		0.0		0.0		0.0		0.0		0.0
S.E.	0.0			0.0		0.0		0.0		0.0		0.0		0.0		0.0
N	20			20		19		19		19		20		20		20

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 8

	FEMALE GROUP: 5% TEST DIET															
WEEK	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7	7 TO	8
ANIMAL																
6421	5556.		4762.		4622.		4086.		4044.		3887.		3754.		3630.	
6426	5882.		5202.		4762.		4315.		4612.		4186.		4110.		4018.	
6431	5294.		5208.		4762.		4464.		4430.		3878.		3922.		3977.	
6433	5337.		5147.		4846.		4453.		4151.		4000.		3901.		3754.	
6437	5844.		5143.		4847.		4245.		4260.		3896.		3992.		3831.	
6449	6287.		5026.		5502.		4605.		4339.		3659.		4016.		3682.	
6450	5556.		5026.		4878.		4186.		4484.		4274.		4032.		3725.	
6451	5588.		5102.		4795.		4641.		5020.		4247.		4291.		4212.	
6455	5882.		5385.		4861.		4852.		4563.		4598.		4332.		3993.	
6456	5389.		5440.		5275.		4468.		4713.		4200.		4247.		3717.	
6461	5337.		4500.		4358.		4148.		4219.		3862.		3682.		3422.	
6462	5621.		5357.		4795.		4661.		4563.		4008.		4044.		3901.	
6465	5588.		5303.		4825.		4115.		4183.		4054.		3717.		3915.	
6471	5313.		5191.		4854.		4626.		4472.		3922.		4102.		4323.	
6475	5833.		4878.		4709.		4060.		4527.		4134.		3962.		3860.	
6478	5864.		4891.		4854.		4464.		4060.		3942.		3968.		3962.	
6482	6077.		5288.		4936.		4762.		4323.		4529.		4064.		4082.	
6483	5732.		5307.		4902.		4751.		4957.		4508.		3937.		3861.	
6487	6875.		5464.		5147.		5275.		4978.		4832.		4733.		4883.	
6488	6140.		5181.		4808.		5023.		4545.		4167.		4400.		4086.	
MEAN	5750.		5140.		4867.		4510.		4472.		4139.		4060.		3942.	
S.D.	390.1		240.8		233.6		327.8		288.8		294.1		248.6		303.5	
S.E.	87.2		53.8		52.2		73.3		64.6		65.8		55.6		67.9	
N	20		20		20		20		20		20		20		20	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 9

FEMALE GROUP: 15% TEST DIET																
WEEK	0 TO	1	1 TO	2	2 TO	3	3 TO	4	4 TO	5	5 TO	6	6 TO	7	7 TO	8
ANIMAL																
6420	16770.		15746.		14322.		13636.		12955.		12217.		12611.		10759.	
6423	16286.		14921.		15640.		15132.		13469.		12891.		13534.		11913.	
6424	16071.		15625.		13318.		13636.		12753.		13095.		NA		5094.	
6425	17857.		14921.		14286.		13014.		13100.		12605.		11633.		10757.	
6427	16570.		15750.		13636.		13180.		12891.		12731.		10753.		10526.	
6428	18000.		16071.		15826.		12987.		13235.		12195.		12451.		11628.	
6429	18387.		15000.		13776.		14019.		12931.		11975.		12397.		11400.	
6432	17813.		15084.		16071.		14720.		13877.		13519.		13580.		11719.	
6434	16463.		15489.		14394.		13571.		14667.		12391.		13291.		12500.	
6441	17378.		15241.		14929.		13216.		13404.		13017.		11265.		10920.	
6444	17751.		15405.		14778.		12955.		12931.		13017.		12000.		11583.	
6447	17120.		14019.		13235.		13900.		11710.		12500.		10714.		11170.	
6463	15385.		15607.		14063.		12500.		14516.		13696.		12605.		12600.	
6469	18121.		14634.		14754.		13300.		13636.		12000.		12712.		11355.	
6470	15089.		14439.		13300.		13073.		12232.		11392.		12195.		10547.	
6473	17341.		15075.		16071.		13017.		12840.		14098.		NA		11170.	
6477	17838.		15000.		13578.		12245.		11905.		12069.		11070.		NA	
6481	18182.		16043.		14634.		13636.		14103.		13253.		12162.		11754.	
6486	18529.		15909.		15000.		13750.		12451.		12595.		13441.		11775.	
6489	17403.		19756.		16304.		15121.		13846.		12825.		13830.		12245.	
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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 10

FEMALE GROUP: CONTROL DIET						
WEEK	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13	
ANIMAL						
6422	0.	0.	0.	0.	0.	
6430	0.	0.	0.	0.	0.	
6435	0.	0.	0.	0.	0.	
6436	0.	0.	0.	0.	0.	
6440	0.	0.	0.	0.	0.	
6442	0.	0.	0.	0.	NA	
6443	0.	0.	0.	0.	0.	
6445	0.	0.	0.	0.	0.	
6452	0.	0.	0.	0.	0.	
6453	0.	0.	0.	0.	0.	
6454	0.	0.	0.	0.	0.	
6457	0.	0.	0.	0.	0.	
6458	0.	0.	0.	0.	0.	
6459	0.	0.	0.	0.	0.	
6460	0.	0.	0.	0.	0.	
6466	0.	0.	0.	0.	0.	
6476	0.	0.	0.	0.	0.	
6479	0.	0.	0.	0.	0.	
6480	0.	0.	0.	0.	0.	
6484	0.	0.	0.	0.	0.	
MEAN	0.	0.	0.	0.	0.	
S.D.	0.0	0.0	0.0	0.0	0.0	
S.E.	0.0	0.0	0.0	0.0	0.0	
N	20	20	20	20	19	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

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		FEMALE GROUP: 5% TEST DIET									
WEEK	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13	

ANIMAL											
6421	3398.		3492.		3096.		3067.		3182.		
6426	4130.		4008.		3512.		3704.		3862.		
6431	3571.		3745.		3663.		3750.		3846.		
6433	3642.		3583.		3492.		3292.		3261.		
6437	3502.		3626.		3371.		3321.		3285.		
6449	3788.		3903.		3261.		3405.		3357.		
6450	3876.		3947.		3623.		3405.		3405.		
6451	4270.		3938.		4040.		3846.		3833.		
6455	3885.		3808.		3722.		3481.		3281.		
6456	3971.		3915.		3780.		3654.		3300.		
6461	3409.		3690.		3610.		3393.		3521.		
6462	3633.		3436.		3559.		3322.		3311.		
6465	3646.		3767.		3477.		3268.		3115.		
6471	3763.		3381.		3887.		3633.		3436.		
6475	3777.		3484.		3425.		3559.		3488.		
6478	3690.		3971.		3684.		3633.		3253.		
6482	3630.		3477.		3571.		3365.		3344.		
6483	3788.		3860.		4643.		3497.		3596.		
6487											
6488	3992.		3558.		3532.		3493.		3442.		
MEAN	3756.		3715.		3629.		3478.		3427.		
S.D.	229.4		205.9		324.9		193.5		219.8		
S.E.	52.6		47.2		74.5		44.4		50.4		
N	19		19		19		19		19		

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A7
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CALCULATED COMPOUND CONSUMPTION [MG/KG/DAY]

PAGE 12

FEMALE GROUP: 15% TEST DIET										
WEEK	8 TO	9	9 TO	10	10 TO	11	11 TO	12	12 TO	13

ANIMAL										
6420	10537.		11297.		11728.		10159.		9600.	
6423	11938.		11037.		11238.		10443.		11146.	
6424	10791.		10035.		10035.		10381.		9628.	
6425	10672.		10962.		10150.		10634.		10949.	
6427	9828.		11149.		9500.		9901.		9709.	
6428	11710.		12321.		11538.		11379.		10169.	
6429	11004.		10227.		10189.		11152.		9818.	
6432	11407.		11364.		11710.		11786.		10676.	
6434	11538.		12177.		11538.		12500.		12019.	
6441	10920.		11364.		10440.		10714.		10106.	
6444	10674.		10517.		10870.		10676.		10563.	
6447	10788.		10135.		10101.		11311.		9772.	
6463	10878.		11321.		10634.		11957.		11661.	
6469	9922.		10714.		10000.		10478.		9890.	
6470	10305.		10075.		9410.		9783.		9239.	
6473	12371.		NA		10067.		9500.		NA	
6477	10453.		10678.		9868.		10820.		10714.	
6481	10830.		11170.		10490.		10825.		9694.	
6486	10927.		10714.		10952.		10248.		9722.	
6489	11577.		10642.		11037.		12058.		10064.	
MEAN	10954.		10942.		10575.		10835.		10270.	
S.D.	644.8		638.5		719.3		800.8		753.4	
S.E.	144.2		146.5		160.8		179.1		172.8	
N	20		19		20		20		19	

NA = NOT APPLICABLE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL HEMATOLOGY VALUES

PAGE 1
WEEK 13

ANIMAL	WHITE CELLS	RED CELLS	HEMO- GLOBIN	HEMATO- CRIT	MCV	MCH	MCHC	PLATELET	PROTIME	APTT
	thous/uL	mil/uL	g/dL	%	fL	pg	g/dL	thous/uL	seconds	seconds
GROUP:	CONTROL DIET	MALES								
6357	8.36	9.17	16.5	46.5	50.7	18.0	35.5	962.	11.7	17.0
6358	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT	13.1	16.0
6360	8.74	9.08	16.1	44.4	48.9	17.7	36.3	1139.	14.5	20.8
6365	8.59	8.85	16.5	45.8	51.8	18.6	36.0	1188.	12.2	19.9
6368	9.13	9.56	17.2	46.7	48.8	18.0	36.9	1282.	13.8	19.4
6369	6.94	8.99	16.2	44.5	49.5	18.1	36.5	1035.	13.2	22.3
6375	6.13	9.06	16.4	45.1	49.8	18.1	36.3	1079.	13.1	17.3
6380	7.94	9.13	16.1	45.0	49.3	17.7	35.9	965.	12.8	20.2
6383	11.11	9.41	17.1	47.1	50.1	18.2	36.3	706.	14.3	19.6
6384	11.11	9.62	16.8	46.7	48.5	17.4	35.9	1542.	12.1	14.2
MEAN	8.67	9.21	16.5	45.8	49.7	18.0	36.2	1100.	13.1	18.7
S.D.	1.666	0.264	0.41	1.03	1.04	0.35	0.41	233.2	0.93	2.47
S.E.	0.555	0.088	0.14	0.34	0.35	0.12	0.14	77.7	0.29	0.78
N	9	9	9	9	9	9	9	9	10	10

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL HEMATOLOGY VALUES

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WEEK 13

ANIMAL	RETIC- ULOCYTE	RETIC ABSOLUTE	NEUTRO- PHIL	LYMPH- OCYTE	MONOCYTE	EOSIN- OPHIL	BASOPHIL	LG UNST- AIN CELL
	%	thous/uL	%	%	%	%	%	%
GROUP:	CONTROL DIET	MALES						
6357	1.6	147.4	16.8	78.2	2.4	1.3	0.6	0.7
6358	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT
6360	1.6	141.9	16.5	78.2	2.6	1.4	0.6	0.7
6365	1.8	163.1	14.7	78.9	3.2	1.9	0.7	0.6
6368	1.5	147.5	9.3	85.9	2.2	1.4	0.6	0.5
6369	1.7	150.4	15.1	79.7	1.8	2.0	0.5	0.8
6375	1.5	134.2	25.8	68.8	2.9	0.8	0.4	1.3
6380	2.0	182.9	15.7	78.1	3.2	2.1	0.5	0.4
6383	1.6	150.1	12.3	83.0	2.3	1.4	0.4	0.6
6384	1.6	149.7	14.1	81.2	3.0	0.5	0.2	1.0
MEAN	1.7	151.9	15.6	79.1	2.6	1.4	0.5	0.7
S.D.	0.16	13.92	4.47	4.68	0.49	0.53	0.15	0.27
S.E.	0.05	4.64	1.49	1.56	0.16	0.18	0.05	0.09
N	9	9	9	9	9	9	9	9

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL HEMATOLOGY VALUES

PAGE 3
WEEK 13

ANIMAL	NEU ABSOLUTE	LYMPH ABSOLUTE	MONO ABSOLUTE	EOS ABSOLUTE	BASO ABSOLUTE	LUC ABSOLUTE	PLATELET ESTIMATE	RBC MORPHOLOGY
	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL		
GROUP:	CONTROL DIET	MALES						
6357	1.40	6.53	0.20	0.11	0.05	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6358	CLT	CLT	CLT	CLT	CLT	CLT	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6360	1.44	6.83	0.23	0.12	0.05	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6365	1.27	6.78	0.27	0.16	0.06	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6368	0.85	7.84	0.20	0.13	0.06	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6369	1.05	5.53	0.13	0.14	0.04	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6375	1.58	4.22	0.18	0.05	0.02	0.08	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6380	1.25	6.20	0.25	0.16	0.04	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6383	1.36	9.22	0.26	0.15	0.04	0.07	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6384	1.57	9.01	0.33	0.05	0.03	0.11	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
MEAN	1.31	6.91	0.23	0.12	0.04	0.06		
S.D.	0.238	1.598	0.058	0.043	0.013	0.024		
S.E.	0.079	0.533	0.019	0.014	0.004	0.008		
N	9	9	9	9	9	9		

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A8 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL HEMATOLOGY VALUES

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WEEK 13

ANIMAL	WHITE CELLS	RED CELLS	HEMO- GLOBIN	HEMATO- CRIT	MCV	MCH	MCHC	PLATELET	PROTIME	APTT
	thous/uL	mil/uL	g/dL	%	fL	pg	g/dL	thous/uL	seconds	seconds
GROUP: 5% TEST DIET	MALES									
6350	8.88	9.11	16.4	45.8	50.3	18.0	35.7	1484.	12.6	19.2
6353	10.77	9.67	16.4	46.4	47.9	17.0	35.4	1002.	14.0	18.9
6354	9.67	9.35	16.4	46.3	49.5	17.6	35.5	1381.	12.8	18.9
6356	6.81	8.97	15.7	44.3	49.4	17.5	35.5	1105.	14.2	20.1
6371	9.83	8.65	16.5	46.0	53.2	19.0	35.8	1337.	13.8	18.4
6372	7.62	9.18	16.5	45.9	50.0	17.9	35.8	968.	13.5	19.4
6374	10.16	9.12	16.8	45.3	49.7	18.4	37.0	693.	12.0	18.3
6376	6.15	10.08	17.0	46.9	46.5	16.8	36.2	1167.	14.5	20.0
6378	10.17	9.15	16.7	46.6	50.9	18.2	35.8	1160.	13.3	18.8
6379	7.90	9.36	16.9	45.7	48.9	18.0	36.9	1115.	15.1	20.5
MEAN	8.80	9.26	16.5	45.9	49.6	17.8	36.0	1141.	13.6	19.3
S.D.	1.585	0.391	0.37	0.74	1.77	0.65	0.57	227.7	0.94	0.74
S.E.	0.501	0.124	0.12	0.23	0.56	0.21	0.18	72.0	0.30	0.23
N	10	10	10	10	10	10	10	10	10	10

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
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TABLE A8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL HEMATOLOGY VALUES

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 WEEK 13

ANIMAL	RETIC- ULOCYTE	RETIC ABSOLUTE	NEUTRO- PHIL	LYMPH- OCYTE	MONOCYTE	EOSIN- OPHIL	BASOPHIL	LG UNST- AIN CELL
	%	thous/uL	%	%	%	%	%	%
GROUP: 5% TEST DIET		MALES						
6350	1.9	176.9	11.9	82.1	2.2	2.7	0.4	0.6
6353	1.5	142.6	9.2	85.0	3.2	0.6	1.0	1.0
6354	1.4	134.8	11.7	84.5	1.1	1.2	0.6	0.9
6356	1.8	158.7	12.8	84.5	1.3	0.6	0.4	0.4
6371	1.6	138.5	8.9	85.3	3.8	0.9	0.4	0.6
6372	1.9	172.8	10.1	84.4	2.9	1.5	0.5	0.7
6374	1.4	129.3	19.7	73.2	2.9	2.6	0.6	1.1
6376	1.3	129.5	12.9	83.4	1.4	1.4	0.6	0.3
6378	1.8	167.6	13.0	83.1	1.4	1.3	0.4	0.7
6379	1.4	132.9	10.6	84.5	2.0	1.6	0.5	0.9
MEAN	1.6	148.4	12.1	83.0	2.2	1.4	0.5	0.7
S.D.	0.23	18.74	3.07	3.57	0.94	0.73	0.18	0.26
S.E.	0.07	5.93	0.97	1.13	0.30	0.23	0.06	0.08
N	10	10	10	10	10	10	10	10

thous/uL = THOUSANDS/MICROLITER

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL HEMATOLOGY VALUES

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 WEEK 13

ANIMAL	NEU ABSOLUTE	LYMPH ABSOLUTE	MONO ABSOLUTE	EOS ABSOLUTE	BASO ABSOLUTE	LUC ABSOLUTE	PLATELET ESTIMATE	RBC MORPHOLOGY
	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL		
GROUP: 5% TEST DIET		MALES						
6350	1.06	7.30	0.20	0.24	0.04	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6353	0.99	9.16	0.34	0.06	0.11	0.11	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6354	1.14	8.17	0.11	0.12	0.05	0.09	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6356	0.87	5.76	0.09	0.04	0.02	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6371	0.88	8.39	0.38	0.09	0.04	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6372	0.77	6.43	0.22	0.11	0.04	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6374	2.00	7.43	0.29	0.27	0.06	0.11	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6376	0.79	5.13	0.09	0.09	0.04	0.02	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6378	1.32	8.46	0.14	0.14	0.04	0.07	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6379	0.84	6.68	0.16	0.13	0.04	0.07	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
MEAN	1.07	7.29	0.20	0.13	0.05	0.07		
S.D.	0.371	1.290	0.104	0.073	0.024	0.030		
S.E.	0.117	0.408	0.033	0.023	0.008	0.010		
N	10	10	10	10	10	10		
thous/uL = THOUSANDS/MICROLITER								

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TABLE A8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL HEMATOLOGY VALUES

PAGE 7
 WEEK 13

ANIMAL	WHITE CELLS	RED CELLS	HEMO- GLOBIN	HEMATO- CRIT	MCV	MCH	MCHC	PLATELET	PROTIME	APTT
	thous/uL	mil/uL	g/dL	%	fL	pg	g/dL	thous/uL	seconds	seconds
GROUP: 15% TEST DIET	MALES									
6351	8.27	9.02	16.9	47.0	52.1	18.7	35.9	953.	12.4	17.7
6352	11.66	8.89	16.7	46.6	52.4	18.7	35.8	702.	13.3	17.8
6359	13.08	8.77	16.0	45.2	51.5	18.3	35.5	1210.	13.3	18.1
6361	9.56	9.04	16.1	44.9	49.6	17.8	35.8	1094.	12.2	16.9
6362	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT	14.1	20.8
6363	8.65	9.08	15.9	45.6	50.2	17.5	34.9	1191.	13.7	18.1
6364	7.57	8.41	15.5	43.6	51.8	18.4	35.5	1150.	13.7	20.3
6366	13.55	9.47	17.1	47.0	49.6	18.0	36.4	1251.	13.0	20.2
6367	7.18	8.85	16.8	46.5	52.5	18.9	36.1	1349.	14.0	18.3
6370	12.13	9.01	15.8	43.0	47.8	17.6	36.8	1041.	12.7	16.5
MEAN	10.18	8.95	16.3	45.5	50.8	18.2	35.9	1105.	13.2	18.5
S.D.	2.448	0.283	0.57	1.46	1.61	0.51	0.55	190.7	0.66	1.47
S.E.	0.816	0.094	0.19	0.49	0.54	0.17	0.18	63.6	0.21	0.47
N	9	9	9	9	9	9	9	9	10	10

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A8 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL HEMATOLOGY VALUES

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 WEEK 13

ANIMAL	RETIC- ULOCYTE	RETIC ABSOLUTE	NEUTRO- PHIL	LYMPH- OCYTE	MONOCYTE	EOSIN- OPHIL	BASOPHIL	LG UNST- AIN CELL
	%	thous/uL	%	%	%	%	%	%
GROUP: 15% TEST DIET		MALES						
6351	1.6	147.9	9.1	84.4	3.3	1.4	0.7	1.0
6352	2.2	191.2	21.4	73.3	2.4	1.7	0.7	0.5
6359	2.4	214.8	17.2	76.4	3.9	1.4	0.5	0.6
6361	1.6	140.6	9.8	83.7	3.0	2.0	0.5	1.0
6362	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT
6363	1.5	135.4	9.7	85.4	2.1	1.1	0.6	1.1
6364	2.6	219.6	17.2	76.1	4.4	0.7	0.4	1.2
6366	2.0	189.8	10.2	84.0	2.2	1.4	0.7	1.6
6367	1.8	159.5	22.1	72.8	2.6	1.2	0.6	0.8
6370	1.5	132.0	12.5	82.7	2.0	1.7	0.4	0.7
MEAN	1.9	170.1	14.4	79.9	2.9	1.4	0.6	0.9
S.D.	0.41	34.30	5.20	5.13	0.84	0.38	0.12	0.34
S.E.	0.14	11.43	1.73	1.71	0.28	0.13	0.04	0.11
N	9	9	9	9	9	9	9	9

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A8 (SCHEDULED NECROPSY)
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ANIMAL	NEU ABSOLUTE	LYMPH ABSOLUTE	MONO ABSOLUTE	EOS ABSOLUTE	BASO ABSOLUTE	LUC ABSOLUTE	PLATELET ESTIMATE	RBC MORPHOLOGY
	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL		
GROUP: 15% TEST DIET		MALES						
6351	0.76	6.99	0.27	0.11	0.06	0.09	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6352	2.50	8.55	0.28	0.19	0.08	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6359	2.25	9.99	0.51	0.18	0.07	0.08	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6361	0.93	8.00	0.28	0.19	0.05	0.10	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6362	CLT	CLT	CLT	CLT	CLT	CLT	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6363	0.84	7.39	0.18	0.10	0.05	0.10	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6364	1.30	5.76	0.34	0.05	0.03	0.09	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6366	1.38	11.38	0.30	0.18	0.10	0.21	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6367	1.58	5.23	0.18	0.08	0.05	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6370	1.51	10.03	0.24	0.21	0.05	0.09	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
MEAN	1.45	8.15	0.29	0.14	0.06	0.10		
S.D.	0.603	2.052	0.099	0.058	0.021	0.046		
S.E.	0.201	0.684	0.033	0.019	0.007	0.015		
N	9	9	9	9	9	9		

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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ANIMAL	WHITE CELLS	RED CELLS	HEMO- GLOBIN	HEMATO- CRIT	MCV	MCH	MCHC	PLATELET	PROTIME	APTT
	thous/uL	mil/uL	g/dL	%	fL	pg	g/dL	thous/uL	seconds	seconds
GROUP:	CONTROL DIET	FEMALES								
6422	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT	13.2	16.3
6430	5.53	8.26	15.9	42.7	51.6	19.2	37.3	1169.	13.0	19.3
6435	6.19	8.18	15.7	42.1	51.4	19.2	37.3	1079.	12.1	16.9
6436	7.34	9.10	16.0	44.1	48.4	17.6	36.3	1223.	12.4	16.3
6440	7.80	8.40	15.7	42.5	50.6	18.6	36.9	1254.	11.6	17.5
6442	4.16	8.05	15.6	41.7	51.7	19.4	37.5	1103.	11.7	17.0
6443	8.07	8.57	15.9	43.5	50.8	18.5	36.5	1093.	13.0	17.2
6445	6.44	8.62	16.1	43.2	50.1	18.6	37.2	1088.	10.2	11.5
6452	4.10	8.41	15.5	41.1	48.9	18.4	37.6	1328.	12.6	16.7
6457	8.45	8.41	16.1	43.2	51.3	19.2	37.3	1253.	11.0	15.0
MEAN	6.45	8.44	15.8	42.7	50.5	18.7	37.1	1177.	12.1	16.4
S.D.	1.617	0.304	0.22	0.94	1.19	0.57	0.44	91.3	0.97	2.03
S.E.	0.539	0.101	0.07	0.31	0.40	0.19	0.15	30.4	0.31	0.64
N	9	9	9	9	9	9	9	9	10	10

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

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ANIMAL	RETIC- ULOCYTE	RETIC ABSOLUTE	NEUTRO- PHIL	LYMPH- OCYTE	MONOCYTE	EOSIN- OPHIL	BASOPHIL	LG UNST- AIN CELL
	%	thous/uL	%	%	%	%	%	%
GROUP:	CONTROL DIET	FEMALES						
6422	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT
6430	1.3	103.3	16.5	78.3	2.5	1.9	0.5	0.5
6435	1.9	157.7	15.9	79.9	2.0	1.1	0.5	0.6
6436	1.4	123.5	8.5	86.4	2.4	1.6	0.4	0.8
6440	1.0	82.4	18.4	77.3	2.0	1.4	0.4	0.5
6442	1.6	130.0	11.3	84.5	2.3	0.9	0.4	0.7
6443	1.5	129.6	9.9	85.6	2.3	0.8	0.5	1.0
6445	1.7	150.8	16.2	77.3	3.1	2.1	0.6	0.7
6452	1.7	139.3	10.0	83.3	3.4	2.0	0.3	1.0
6457	1.7	145.3	8.4	88.1	1.2	0.8	0.4	1.2
MEAN	1.5	129.1	12.8	82.3	2.4	1.4	0.4	0.8
S.D.	0.27	23.81	3.91	4.17	0.64	0.52	0.09	0.24
S.E.	0.09	7.94	1.30	1.39	0.21	0.17	0.03	0.08
N	9	9	9	9	9	9	9	9

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

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ANIMAL	NEU ABSOLUTE	LYMPH ABSOLUTE	MONO ABSOLUTE	EOS ABSOLUTE	BASO ABSOLUTE	LUC ABSOLUTE	PLATELET ESTIMATE	RBC MORPHOLOGY
	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL		
GROUP: CONTROL DIET		FEMALES						
6422	CLT	CLT	CLT	CLT	CLT	CLT	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6430	0.91	4.32	0.14	0.10	0.03	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6435	0.99	4.95	0.12	0.07	0.03	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6436	0.62	6.34	0.17	0.12	0.03	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6440	1.44	6.03	0.15	0.11	0.03	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6442	0.47	3.51	0.09	0.04	0.01	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6443	0.80	6.91	0.18	0.07	0.04	0.08	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6445	1.04	4.98	0.20	0.13	0.04	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6452	0.41	3.41	0.14	0.08	0.01	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6457	0.71	7.44	0.10	0.06	0.03	0.10	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
MEAN	0.82	5.32	0.14	0.09	0.03	0.05		
S.D.	0.319	1.447	0.036	0.030	0.011	0.024		
S.E.	0.106	0.482	0.012	0.010	0.004	0.008		
N	9	9	9	9	9	9		

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

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ANIMAL	WHITE CELLS	RED CELLS	HEMO- GLOBIN	HEMATO- CRIT	MCV	MCH	MCHC	PLATELET	PROTIME	APTT
	thous/uL	mil/uL	g/dL	%	fL	pg	g/dL	thous/uL	seconds	seconds
GROUP: 5% TEST DIET	FEMALES									
6421	7.09	6.12	11.5	30.3	49.6	18.9	38.1	950.	11.4	13.5
6426	4.77	8.53	16.1	44.3	51.9	18.9	36.4	1015.	11.3	15.3
6431	6.67	8.27	16.0	42.7	51.7	19.4	37.5	1202.	11.3	15.4
6433	7.12	8.06	15.7	42.5	52.7	19.4	36.8	1304.	12.6	17.0
6437	14.11	8.57	15.0	41.8	48.7	17.5	35.8	985.	13.2	17.7
6449	6.64	9.01	16.1	45.3	50.2	17.9	35.7	967.	12.9	18.8
6450	5.63	8.29	15.0	41.4	49.9	18.1	36.2	922.	13.4	19.3
6451	7.86	8.60	15.7	43.2	50.3	18.3	36.3	1164.	11.3	12.4
6455	8.27	8.67	16.4	45.2	52.1	19.0	36.4	1162.	10.8	12.9
6456	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT	12.8	17.4
MEAN	7.57	8.24	15.3	41.9	50.8	18.6	36.6	1075.	12.1	16.0
S.D.	2.671	0.839	1.50	4.55	1.35	0.68	0.78	135.3	0.96	2.45
S.E.	0.890	0.280	0.50	1.52	0.45	0.23	0.26	45.1	0.31	0.78
N	9	9	9	9	9	9	9	9	10	10

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

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ANIMAL	RETIC- ULOCYTE	RETIC ABSOLUTE	NEUTRO- PHIL	LYMPH- OCYTE	MONOCYTE	EOSIN- OPHIL	BASOPHIL	LG UNST- AIN CELL
	%	thous/uL	%	%	%	%	%	%
GROUP: 5% TEST DIET		FEMALES						
6421	3.2	196.5	16.8	79.8	1.8	0.6	0.1	0.8
6426	1.6	132.9	8.4	87.8	1.6	0.9	0.3	1.1
6431	2.0	167.0	17.4	78.3	2.4	0.9	0.5	0.6
6433	2.2	181.0	8.8	87.0	1.8	1.2	0.6	0.7
6437	1.7	146.6	14.4	81.2	1.7	1.3	0.6	0.8
6449	1.5	133.0	13.2	82.7	1.6	1.6	0.3	0.6
6450	1.3	104.1	10.1	84.9	2.5	1.0	0.3	1.2
6451	1.7	148.3	29.3	64.3	3.7	1.4	0.6	0.6
6455	1.8	159.5	17.6	80.0	0.9	0.8	0.3	0.4
6456	CLT	CLT	CLT	CLT	CLT	CLT	CLT	CLT
MEAN	1.9	152.1	15.1	80.7	2.0	1.1	0.4	0.8
S.D.	0.56	27.76	6.42	6.96	0.79	0.32	0.18	0.26
S.E.	0.19	9.25	2.14	2.32	0.26	0.11	0.06	0.09
N	9	9	9	9	9	9	9	9

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

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ANIMAL	NEU ABSOLUTE	LYMPH ABSOLUTE	MONO ABSOLUTE	EOS ABSOLUTE	BASO ABSOLUTE	LUC ABSOLUTE	PLATELET ESTIMATE	RBC MORPHOLOGY
	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL		
GROUP: 5% TEST DIET		FEMALES						
6421	1.19	5.66	0.13	0.04	0.01	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6426	0.40	4.19	0.08	0.04	0.01	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6431	1.16	5.22	0.16	0.06	0.03	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6433	0.62	6.19	0.12	0.08	0.04	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6437	2.03	11.46	0.24	0.18	0.08	0.12	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6449	0.88	5.49	0.11	0.11	0.02	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6450	0.57	4.78	0.14	0.06	0.01	0.07	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6451	2.31	5.06	0.29	0.11	0.05	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6455	1.45	6.61	0.07	0.07	0.03	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6456	CLT	CLT	CLT	CLT	CLT	CLT	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
MEAN	1.18	6.07	0.15	0.08	0.03	0.06		
S.D.	0.657	2.145	0.073	0.044	0.023	0.026		
S.E.	0.219	0.715	0.024	0.015	0.008	0.009		
N	9	9	9	9	9	9		

CLT = CLOTTED

thous/uL = THOUSANDS/MICROLITER

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ANIMAL	WHITE CELLS	RED CELLS	HEMO- GLOBIN	HEMATO- CRIT	MCV	MCH	MCHC	PLATELET	PROTIME	APTT
	thous/uL	mil/uL	g/dL	%	fL	pg	g/dL	thous/uL	seconds	seconds
GROUP: 15% TEST DIET		FEMALES								
6423	6.65	8.00	15.8	44.1	55.1	19.8	35.9	1318.	12.7	20.8
6424	6.91	9.09	16.4	44.2	48.6	18.1	37.1	1300.	13.3	17.7
6427	4.22	8.45	15.8	42.7	50.5	18.8	37.1	601.	12.5	16.8
6428	9.09	8.81	15.9	44.8	50.9	18.1	35.6	640.	13.9	15.7
6429	3.74	8.67	16.1	44.1	50.9	18.5	36.4	1234.	12.9	17.4
6432	9.55	8.63	16.2	44.2	51.2	18.8	36.6	1309.	11.6	17.9
6434	5.37	7.44	15.0	40.8	54.9	20.2	36.8	1203.	12.1	19.5
6441	6.47	8.46	15.6	43.3	51.2	18.5	36.0	1074.	12.4	16.9
6444	6.29	8.80	16.6	45.2	51.4	18.9	36.8	1022.	12.1	18.7
6447	3.74	8.66	16.3	44.3	51.1	18.9	36.9	922.	12.7	16.2
MEAN	6.20	8.50	16.0	43.8	51.6	18.9	36.5	1062.	12.6	17.8
S.D.	2.030	0.469	0.46	1.25	1.97	0.68	0.53	267.6	0.65	1.55
S.E.	0.642	0.148	0.15	0.40	0.62	0.21	0.17	84.6	0.21	0.49
N	10	10	10	10	10	10	10	10	10	10

thous/uL = THOUSANDS/MICROLITER, mil/uL = MILLIONS/MICROLITER, fL = FEMTOLITERS, pg = PICOGRAMS, g/dL = GRAMS/DECILITER

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ANIMAL	RETIC- ULOCYTE	RETIC ABSOLUTE	NEUTRO- PHIL	LYMPH- OCYTE	MONOCYTE	EOSIN- OPHIL	BASOPHIL	LG UNST- AIN CELL
	%	thous/uL	%	%	%	%	%	%
GROUP: 15% TEST DIET		FEMALES						
6423	2.5	197.5	10.0	85.1	2.5	1.1	0.6	0.7
6424	1.2	112.2	11.8	82.9	3.6	0.7	0.5	0.6
6427	1.7	147.8	20.5	75.2	2.1	1.3	0.3	0.7
6428	1.2	108.2	6.6	88.5	1.9	1.4	0.7	0.9
6429	1.7	144.0	8.1	88.2	1.4	1.1	0.5	0.7
6432	1.8	151.3	6.9	88.0	2.7	0.9	0.3	1.2
6434	2.0	149.7	7.4	88.1	2.4	1.1	0.3	0.7
6441	1.7	147.2	7.2	87.5	2.1	2.0	0.3	0.9
6444	1.3	116.1	14.1	80.9	2.2	1.7	0.4	0.6
6447	1.5	129.0	8.6	86.8	1.8	1.7	0.5	0.7
MEAN	1.7	140.3	10.1	85.1	2.3	1.3	0.4	0.8
S.D.	0.40	26.10	4.37	4.32	0.60	0.40	0.14	0.18
S.E.	0.13	8.25	1.38	1.37	0.19	0.13	0.05	0.06
N	10	10	10	10	10	10	10	10

thous/uL = THOUSANDS/MICROLITER

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ANIMAL	NEU ABSOLUTE	LYMPH ABSOLUTE	MONO ABSOLUTE	EOS ABSOLUTE	BASO ABSOLUTE	LUC ABSOLUTE	PLATELET ESTIMATE	RBC MORPHOLOGY
	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL	thous/uL		
GROUP: 15% TEST DIET		FEMALES						
6423	0.66	5.66	0.17	0.07	0.04	0.05	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6424	0.81	5.72	0.25	0.05	0.03	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6427	0.86	3.17	0.09	0.06	0.01	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6428	0.60	8.04	0.18	0.13	0.06	0.08	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6429	0.30	3.29	0.05	0.04	0.02	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6432	0.66	8.41	0.26	0.09	0.03	0.11	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6434	0.40	4.73	0.13	0.06	0.01	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6441	0.47	5.66	0.14	0.13	0.02	0.06	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6444	0.89	5.08	0.14	0.11	0.03	0.04	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
6447	0.32	3.25	0.07	0.06	0.02	0.03	PLATELET ESTIMATE AND MORPHOLOGY NOT REVIEWED	
MEAN	0.60	5.30	0.15	0.08	0.03	0.05		
S.D.	0.218	1.849	0.070	0.033	0.015	0.026		
S.E.	0.069	0.585	0.022	0.010	0.005	0.008		
N	10	10	10	10	10	10		
thous/uL = THOUSANDS/MICROLITER								

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	ALBUMIN	TOTAL PROTEIN	GLOBULIN	A/G RATIO	TOTAL BILI	UREA NITROGEN	CREAT- ININE	ALKALINE PHOS'TSE	ALANINE TRANSFER	ASPARTAT TRANSFER
	g/dL	g/dL	g/dL		mg/dL	mg/dL	mg/dL	U/L	U/L	U/L
GROUP:	CONTROL DIET	MALES								
6357	4.2	6.8	2.7	1.57	0.1	17.1	0.2	83.	41.	78.
6358	4.3	6.7	2.4	1.76	0.1	10.8	0.1	157.	34.	118.
6360	4.0	6.4	2.5	1.61	0.1	11.7	0.2	101.	48.	91.
6365	4.2	7.0	2.8	1.53	0.1	12.4	0.2	119.	36.	98.
6368	4.1	6.4	2.3	1.84	0.1	13.8	0.1	83.	39.	70.
6369	4.1	6.6	2.5	1.64	0.1	18.5	0.2	91.	35.	113.
6375	4.0	6.6	2.6	1.56	0.1	15.5	0.4	87.	37.	99.
6380	4.2	7.1	2.9	1.49	0.1	11.0	0.2	97.	39.	85.
6383	4.1	6.6	2.5	1.63	0.1	16.6	0.5	110.	51.	131.
6384	4.2	6.9	2.7	1.53	0.1	16.8	0.3	173.	52.	80.
MEAN	4.1	6.7	2.6	1.62	0.1	14.4	0.2	110.	41.	96.
S.D.	0.10	0.24	0.19	0.109	0.00	2.83	0.13	31.4	6.7	19.5
S.E.	0.03	0.08	0.06	0.035	0.00	0.89	0.04	9.9	2.1	6.2
N	10	10	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A9 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL SERUM CHEMISTRY VALUES

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 WEEK 13

ANIMAL	GLUCOSE	CHOL- ESTEROL	CALCIUM	CHLORIDE	PHOS- PHORUS	POTAS- SIUM	SODIUM	TRIGLY- CERIDE
	mg/dL	mg/dL	mg/dL	mEq/L	mg/dL	mEq/L	mEq/L	mg/dL
GROUP:	CONTROL DIET	MALES						
6357	118.	65.	10.7	104.	7.1	5.25	143.	74.
6358	124.	50.	10.5	100.	6.9	5.42	141.	78.
6360	104.	56.	10.6	102.	6.2	4.52	142.	78.
6365	115.	72.	10.7	101.	6.8	5.10	143.	81.
6368	109.	45.	10.9	101.	7.1	4.62	142.	43.
6369	121.	52.	10.5	103.	7.2	5.03	143.	46.
6375	125.	55.	10.4	106.	5.9	5.41	144.	54.
6380	111.	51.	10.5	103.	5.7	4.76	144.	96.
6383	120.	49.	11.0	104.	8.6	6.13	143.	77.
6384	108.	61.	11.0	102.	7.2	4.95	143.	63.
MEAN	116.	56.	10.7	103.	6.9	5.12	143.	69.
S.D.	7.2	8.2	0.22	1.8	0.82	0.470	0.9	17.0
S.E.	2.3	2.6	0.07	0.6	0.26	0.149	0.3	5.4
N	10	10	10	10	10	10	10	10
mg/dL = MILLIGRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER								

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE A9 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL SERUM CHEMISTRY VALUES

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 WEEK 13

ANIMAL	ALBUMIN	TOTAL PROTEIN	GLOBULIN	A/G RATIO	TOTAL BILI	UREA NITROGEN	CREAT- ININE	ALKALINE PHOS'TSE	ALANINE TRANSFER	ASPARTAT TRANSFER
	g/dL	g/dL	g/dL		mg/dL	mg/dL	mg/dL	U/L	U/L	U/L
GROUP: 5% TEST DIET		MALES								
6350	4.2	7.0	2.7	1.56	0.1	13.4	0.2	97.	39.	66.
6353	4.0	6.6	2.6	1.52	0.2	16.5	0.4	86.	34.	83.
6354	3.8	5.9	2.1	1.83	0.1	22.9	0.4	119.	37.	107.
6356	4.3	6.6	2.3	1.86	0.1	14.1	0.3	99.	31.	67.
6371	4.3	6.7	2.5	1.72	0.1	13.5	0.2	118.	61.	99.
6372	4.1	6.3	2.2	1.88	0.1	15.4	0.2	137.	39.	123.
6374	4.0	6.5	2.5	1.64	0.1	14.9	0.2	75.	51.	111.
6376	3.9	6.2	2.3	1.67	0.1	17.0	0.3	82.	39.	96.
6378	4.2	7.0	2.8	1.51	0.1	14.6	0.3	105.	58.	94.
6379	4.2	6.6	2.5	1.67	0.1	14.5	0.1	120.	38.	91.
MEAN	4.1	6.5	2.5	1.69	0.1	15.7	0.3	104.	43.	94.
S.D.	0.17	0.34	0.22	0.136	0.03	2.79	0.10	19.7	10.3	18.2
S.E.	0.05	0.11	0.07	0.043	0.01	0.88	0.03	6.2	3.2	5.7
N	10	10	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	GLUCOSE	CHOL- ESTEROL	CALCIUM	CHLORIDE	PHOS- PHORUS	POTAS- SIUM	SODIUM	TRIGLY- CERIDE
	mg/dL	mg/dL	mg/dL	mEq/L	mg/dL	mEq/L	mEq/L	mg/dL
GROUP: 5% TEST DIET		MALES						
6350	114.	59.	10.8	102.	6.5	5.30	142.	52.
6353	179.	62.	10.4	101.	6.9	4.85	142.	70.
6354	123.	50.	10.7	107.	10.4	5.93	149.	59.
6356	127.	46.	10.4	102.	6.9	4.51	144.	36.
6371	135.	47.	11.1	103.	8.6	5.93	143.	86.
6372	114.	47.	10.4	104.	7.8	5.06	144.	43.
6374	104.	52.	10.5	106.	6.4	4.85	144.	41.
6376	126.	50.	10.0	101.	6.4	5.07	142.	38.
6378	123.	47.	11.1	105.	7.4	5.05	148.	92.
6379	110.	35.	10.5	102.	7.7	5.48	143.	49.
MEAN	126.	50.	10.6	103.	7.5	5.20	144.	57.
S.D.	20.9	7.4	0.34	2.1	1.24	0.464	2.5	19.9
S.E.	6.6	2.3	0.11	0.7	0.39	0.147	0.8	6.3
N	10	10	10	10	10	10	10	10
mg/dL = MILLIGRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER								

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	ALBUMIN	TOTAL PROTEIN	GLOBULIN	A/G RATIO	TOTAL BILI	UREA NITROGEN	CREAT- ININE	ALKALINE PHOS'TSE	ALANINE TRANSFER	ASPARTAT TRANSFER
	g/dL	g/dL	g/dL		mg/dL	mg/dL	mg/dL	U/L	U/L	U/L
GROUP: 15% TEST DIET		MALES								
6351	4.3	6.8	2.5	1.76	0.2	14.5	0.3	48.	46.	89.
6352	4.1	6.9	2.8	1.48	0.1	15.4	0.3	132.	47.	102.
6359	4.0	6.5	2.6	1.55	0.1	15.8	0.2	123.	115.	172.
6361	4.5	7.0	2.6	1.75	0.1	16.4	0.2	153.	47.	84.
6362	4.3	6.7	2.4	1.83	0.1	14.1	0.3	81.	40.	101.
6363	4.5	7.2	2.6	1.71	0.1	15.0	0.3	129.	35.	75.
6364	4.1	6.7	2.6	1.60	0.2	21.4	0.2	142.	36.	75.
6366	4.5	7.3	2.8	1.59	0.2	14.5	0.2	88.	34.	61.
6367	4.3	7.2	3.0	1.44	0.1	17.7	0.2	101.	44.	87.
6370	4.1	6.6	2.5	1.63	0.1	15.4	0.1	136.	39.	81.
MEAN	4.3	6.9	2.6	1.63	0.1	16.0	0.2	113.	48.	93.
S.D.	0.19	0.28	0.18	0.127	0.05	2.16	0.07	32.8	24.0	30.4
S.E.	0.06	0.09	0.06	0.040	0.02	0.68	0.02	10.4	7.6	9.6
N	10	10	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
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TABLE A9 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL SERUM CHEMISTRY VALUES

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 WEEK 13

ANIMAL	GLUCOSE	CHOL- ESTEROL	CALCIUM	CHLORIDE	PHOS- PHORUS	POTAS- SIUM	SODIUM	TRIGLY- CERIDE
	mg/dL	mg/dL	mg/dL	mEq/L	mg/dL	mEq/L	mEq/L	mg/dL
GROUP: 15% TEST DIET		MALES						
6351	109.	64.	10.5	103.	5.4	4.26	141.	45.
6352	157.	90.	10.6	101.	8.2	5.35	142.	73.
6359	119.	64.	10.9	102.	6.7	4.87	142.	67.
6361	121.	62.	10.8	102.	7.7	4.80	145.	53.
6362	123.	39.	10.3	102.	6.6	5.35	142.	42.
6363	131.	60.	10.6	104.	7.2	4.90	146.	55.
6364	118.	47.	11.6	101.	9.0	5.12	145.	87.
6366	132.	71.	11.5	101.	7.3	4.42	145.	130.
6367	113.	72.	11.3	102.	7.1	4.90	144.	55.
6370	102.	42.	10.2	104.	7.4	4.55	146.	75.
MEAN	123.	61.	10.8	102.	7.3	4.85	144.	68.
S.D.	15.2	15.4	0.49	1.1	0.96	0.366	1.9	25.9
S.E.	4.8	4.9	0.15	0.4	0.30	0.116	0.6	8.2
N	10	10	10	10	10	10	10	10
mg/dL = MILLIGRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER								

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	ALBUMIN	TOTAL PROTEIN	GLOBULIN	A/G RATIO	TOTAL BILI	UREA NITROGEN	CREAT- ININE	ALKALINE PHOS'TSE	ALANINE TRANSFER	ASPARTAT TRANSFER
	g/dL	g/dL	g/dL		mg/dL	mg/dL	mg/dL	U/L	U/L	U/L
GROUP:	CONTROL DIET	FEMALES								
6422	4.7	7.3	2.5	1.87	0.1	20.6	0.3	82.	28.	77.
6430	4.5	7.2	2.7	1.71	0.1	21.4	0.3	49.	38.	103.
6435	4.5	7.0	2.5	1.80	0.1	18.0	0.3	56.	34.	82.
6436	4.5	7.2	2.7	1.67	0.1	21.4	0.3	130.	36.	90.
6440	5.0	7.6	2.6	1.97	0.2	19.5	0.3	71.	54.	95.
6442	4.8	7.2	2.3	2.08	0.1	15.8	0.3	49.	25.	69.
6443	4.4	6.6	2.3	1.92	0.1	16.3	0.3	79.	32.	76.
6445	5.3	7.7	2.5	2.13	0.1	13.4	0.3	39.	49.	95.
6452	4.5	6.6	2.1	2.20	0.1	16.9	0.2	55.	35.	84.
6457	4.9	7.3	2.4	1.99	0.2	14.9	0.3	57.	32.	76.
MEAN	4.7	7.2	2.5	1.93	0.1	17.8	0.3	67.	36.	85.
S.D.	0.29	0.36	0.19	0.175	0.04	2.82	0.03	26.1	8.9	10.8
S.E.	0.09	0.11	0.06	0.055	0.01	0.89	0.01	8.3	2.8	3.4
N	10	10	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	GLUCOSE	CHOL- ESTEROL	CALCIUM	CHLORIDE	PHOS- PHORUS	POTAS- SIUM	SODIUM	TRIGLY- CERIDE
	mg/dL	mg/dL	mg/dL	mEq/L	mg/dL	mEq/L	mEq/L	mg/dL
GROUP:	CONTROL DIET	FEMALES						
6422	91.	80.	10.9	102.	7.7	5.21	145.	44.
6430	104.	77.	10.9	103.	6.6	4.80	143.	56.
6435	112.	91.	10.4	103.	4.7	4.18	142.	43.
6436	96.	61.	10.1	102.	6.2	4.90	142.	35.
6440	115.	92.	11.2	101.	6.3	4.54	142.	92.
6442	112.	74.	10.7	101.	5.6	3.55	143.	52.
6443	109.	52.	10.7	102.	7.3	4.37	144.	44.
6445	115.	107.	11.4	101.	6.3	4.90	141.	80.
6452	105.	74.	10.8	104.	6.7	4.91	142.	55.
6457	108.	65.	11.0	105.	6.0	4.19	145.	50.
MEAN	107.	77.	10.8	102.	6.3	4.56	143.	55.
S.D.	8.0	16.2	0.37	1.3	0.84	0.491	1.4	17.7
S.E.	2.5	5.1	0.12	0.4	0.27	0.155	0.4	5.6
N	10	10	10	10	10	10	10	10
mg/dL = MILLIGRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER								

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	ALBUMIN	TOTAL PROTEIN	GLOBULIN	A/G RATIO	TOTAL BILI	UREA NITROGEN	CREAT- ININE	ALKALINE PHOS'TSE	ALANINE TRANSFER	ASPARTAT TRANSFER
	g/dL	g/dL	g/dL		mg/dL	mg/dL	mg/dL	U/L	U/L	U/L
GROUP: 5% TEST DIET		FEMALES								
6421	4.5	6.2	1.6	2.78	0.1	18.4	0.3	43.	22.	66.
6426	4.6	6.9	2.3	2.04	0.1	18.0	0.3	73.	42.	76.
6431	4.8	7.2	2.5	1.91	0.1	15.3	0.3	53.	31.	84.
6433	4.7	7.0	2.4	1.99	0.1	17.1	0.3	45.	30.	74.
6437	4.4	6.6	2.2	2.05	0.1	14.8	0.2	56.	51.	111.
6449	4.7	7.3	2.6	1.82	0.1	23.2	0.4	128.	48.	100.
6450	5.0	7.1	2.1	2.40	0.2	16.7	0.2	56.	22.	59.
6451	4.1	6.8	2.7	1.50	0.1	12.8	0.2	119.	45.	99.
6455	5.0	7.4	2.4	2.09	0.1	14.8	0.4	55.	25.	84.
6456	4.0	6.2	2.2	1.86	0.1	17.1	0.2	58.	54.	108.
MEAN	4.6	6.9	2.3	2.04	0.1	16.8	0.3	69.	37.	86.
S.D.	0.34	0.42	0.31	0.345	0.03	2.82	0.08	30.1	12.4	17.8
S.E.	0.11	0.13	0.10	0.109	0.01	0.89	0.02	9.5	3.9	5.6
N	10	10	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
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TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	GLUCOSE	CHOL- ESTEROL	CALCIUM	CHLORIDE	PHOS- PHORUS	POTAS- SIUM	SODIUM	TRIGLY- CERIDE
	mg/dL	mg/dL	mg/dL	mEq/L	mg/dL	mEq/L	mEq/L	mg/dL
GROUP: 5% TEST DIET FEMALES								
6421	159.	47.	10.6	103.	6.5	5.02	142.	121.
6426	115.	83.	10.5	103.	6.1	4.46	143.	40.
6431	111.	77.	11.0	102.	6.5	4.40	144.	41.
6433	119.	77.	11.0	103.	6.3	4.49	144.	31.
6437	105.	54.	10.1	103.	5.2	4.50	142.	34.
6449	105.	77.	10.7	103.	7.4	4.58	146.	51.
6450	128.	48.	10.7	106.	6.1	4.10	144.	57.
6451	92.	61.	10.6	105.	7.9	5.35	146.	68.
6455	99.	63.	11.0	102.	6.4	4.86	144.	47.
6456	92.	50.	10.6	104.	7.4	4.88	143.	42.
MEAN	113.	64.	10.7	103.	6.6	4.66	144.	53.
S.D.	20.0	13.8	0.28	1.3	0.79	0.361	1.4	26.2
S.E.	6.3	4.4	0.09	0.4	0.25	0.114	0.4	8.3
N	10	10	10	10	10	10	10	10
mg/dL = MILLIGRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER								

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
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TABLE A9 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL SERUM CHEMISTRY VALUES

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WEEK 13

ANIMAL	ALBUMIN	TOTAL PROTEIN	GLOBULIN	A/G RATIO	TOTAL BILI	UREA NITROGEN	CREAT- ININE	ALKALINE PHOS'TSE	ALANINE TRANSFER	ASPARTAT TRANSFER
	g/dL	g/dL	g/dL		mg/dL	mg/dL	mg/dL	U/L	U/L	U/L
GROUP: 15% TEST DIET		FEMALES								
6423	5.7	8.3	2.6	2.20	0.2	14.6	0.2	48.	31.	63.
6424	4.7	6.7	2.1	2.27	0.1	14.8	0.2	68.	29.	74.
6427	4.6	6.8	2.1	2.20	0.1	18.2	0.2	62.	22.	66.
6428	4.8	7.4	2.6	1.84	0.1	15.8	0.3	57.	41.	98.
6429	4.6	7.3	2.7	1.69	0.1	15.5	0.3	53.	53.	85.
6432	4.4	6.6	2.2	1.99	0.1	12.6	0.2	69.	46.	87.
6434	5.8	8.4	2.6	2.21	0.1	17.7	0.2	49.	53.	78.
6441	4.8	6.8	2.0	2.46	0.2	20.2	0.3	42.	31.	64.
6444	5.2	7.4	2.3	2.27	0.1	17.3	0.3	47.	63.	141.
6447	4.6	6.8	2.3	2.01	0.1	17.3	0.3	67.	37.	86.
MEAN	4.9	7.3	2.4	2.11	0.1	16.4	0.3	56.	41.	84.
S.D.	0.48	0.65	0.25	0.229	0.04	2.17	0.05	9.8	13.0	23.0
S.E.	0.15	0.21	0.08	0.073	0.01	0.69	0.02	3.1	4.1	7.3
N	10	10	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, U/L = INTERNATIONAL UNIT/LITER, g/dL = GRAMS/DECILITER

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A9 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL SERUM CHEMISTRY VALUES

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ANIMAL	GLUCOSE	CHOL- ESTEROL	CALCIUM	CHLORIDE	PHOS- PHORUS	POTAS- SIUM	SODIUM	TRIGLY- CERIDE
	mg/dL	mg/dL	mg/dL	mEq/L	mg/dL	mEq/L	mEq/L	mg/dL
GROUP: 15% TEST DIET		FEMALES						
6423	146.	97.	11.6	100.	5.7	4.49	141.	131.
6424	100.	76.	10.8	103.	6.3	4.97	143.	49.
6427	122.	104.	11.0	104.	5.8	4.57	142.	36.
6428	106.	46.	11.2	104.	9.2	5.51	146.	47.
6429	117.	67.	10.7	103.	6.5	4.39	146.	45.
6432	116.	82.	10.8	104.	7.4	4.77	143.	55.
6434	109.	120.	11.2	102.	5.3	4.39	143.	179.
6441	104.	115.	10.7	105.	5.5	4.20	144.	64.
6444	124.	77.	10.8	103.	6.3	4.31	145.	46.
6447	113.	96.	10.6	105.	5.8	4.31	146.	29.
MEAN	116.	88.	10.9	103.	6.4	4.59	144.	68.
S.D.	13.2	22.8	0.31	1.5	1.16	0.398	1.8	48.1
S.E.	4.2	7.2	0.10	0.5	0.37	0.126	0.6	15.2
N	10	10	10	10	10	10	10	10

mg/dL = MILLIGRAMS/DECILITER, mEq/L = MILLIEQUIVALENTS/LITER

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A10 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC URINALYSIS VALUES

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WEEK 13

GROUP:		CONTROL DIET			MALES												
ANIMAL		M	A	C	R	O											
		COL			CLA		SG	PH	PRO	GLU	KET	BIL	BLD	LEU	NIT	URO	TVOL
6357		YEL			SLC		1.015	7.0	TR	NG	NG	NG	NG	NG	NG	0.2	21.0
6358		YEL			SLC		1.021	6.5	TR	NG	TR	NG	TR	NG	NG	0.2	14.0
6360		YEL			SLC		1.037	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	6.0
6365		YEL			SLC		1.025	6.0	TR	NG	NG	NG	TR	NG	NG	0.2	11.0
6368		YEL			SLC		1.052	6.5	2+	NG	NG	1+	NG	NG	NG	0.2	5.0
6369		YEL			SLC		1.018	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	18.0
6375		YEL			SLC		1.041	6.5	1+	NG	NG	NG	TR	NG	P+	0.2	4.0
6380		YEL			SLC		1.038	6.5	1+	NG	NG	NG	NG	NG	P+	0.2	7.0
6383		YEL			SLC		1.026	6.0	1+	NG	TR	NG	NG	NG	NG	0.2	14.0
6384		YEL			SLC		1.050	6.5	2+	NG	NG	NG	NG	NG	P+	1.0	5.0
MEAN							1.032	6.4								0.3	10.5
S.D.							0.0131	0.34								0.25	6.02
S.E.							0.0042	0.11								0.08	1.90
N							10	10								10	10

----- MACRO CODE -----
SG=SPECIFIC GRAVITY, PRO=PROTEIN, GLU=GLUCOSE, KET=KETONE, BIL=BILIRUBIN, BLD=BLOOD, NIT=NITRITE,
URO=UROBILINOGEN (mg/dL), NG=NEGATIVE, 1+=TRACE TO SLIGHT, 2+=SLIGHT TO MODERATE, TR=TRACE, P+=POSITIVE, LEU=LEUKOCYTES,
TVOL=TOTAL VOLUME (mL), COL=COLOR, CLA=CLARITY, SLC=SLIGHTLY CLOUDY, YEL=YELLOW

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A10 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL MACROSCOPIC URINALYSIS VALUES

PAGE 2
 WEEK 13

GROUP:		5% TEST DIET		MALES										
		M	A	C	R	O								
ANIMAL		COL	CLA	SG	PH	PRO	GLU	KET	BIL	BLD	LEU	NIT	URO	TVOL
6350		YEL	SLC	1.090	6.0	2+	NG	NG	NG	NG	NG	NG	1.0	4.0
6353		YEL	SLC	1.058	6.0	2+	NG	NG	NG	NG	NG	NG	0.2	4.0
6354		YEL	SLC	1.046	6.0	1+	NG	NG	1+	NG	NG	NG	0.2	4.0
6356		YEL	SLC	1.045	6.5	2+	NG	NG	NG	1+	NG	NG	0.2	4.0
6371		YEL	SLC	1.016	6.5	TR	NG	TR	NG	NG	NG	NG	0.2	29.0
6372		YEL	SLC	1.044	6.5	1+	NG	NG	NG	NG	NG	NG	0.2	5.0
6374		YEL	SLC	1.018	6.5	TR	NG	NG	NG	NG	NG	NG	0.2	19.0
6376		YEL	SLC	1.047	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	5.0
6378		YEL	SLC	1.046	6.0	1+	NG	TR	NG	NG	NG	NG	0.2	5.0
6379		YEL	SLC	1.058	6.5	2+	NG	TR	NG	NG	NG	NG	1.0	4.0
MEAN				1.047	6.3								0.4	8.3
S.D.				0.0208	0.26								0.34	8.62
S.E.				0.0066	0.08								0.11	2.72
N				10	10								10	10

----- MACRO CODE -----
 SG=SPECIFIC GRAVITY, PRO=PROTEIN, GLU=GLUCOSE, KET=KETONE, BIL=BILIRUBIN, BLD=BLOOD, NIT=NITRITE,
 URO=UROBILINOGEN (mg/dL), NG=NEGATIVE, 1+=TRACE TO SLIGHT, 2+=SLIGHT TO MODERATE, TR=TRACE, LEU=LEUKOCYTES,
 TVOL=TOTAL VOLUME (mL), COL=COLOR, CLA=CLARITY, SLC=SLIGHTLY CLOUDY, YEL=YELLOW

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A10 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL MACROSCOPIC URINALYSIS VALUES

PAGE 3
 WEEK 13

GROUP: 15% TEST DIET			MALES										
ANIMAL	M A C COL	R O CLA	SG	PH	PRO	GLU	KET	BIL	BLD	LEU	NIT	URO	TVOL
6351	YEL	SLC	1.019	7.0	TR	NG	NG	NG	NG	NG	NG	0.2	16.0
6352	YEL	SLC	1.040	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	9.0
6359	YEL	SLC	1.044	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	7.0
6361	YEL	SLC	1.042	6.5	1+	NG	NG	NG	NG	NG	P+	0.2	7.0
6362	YEL	SLC	1.048	6.0	2+	NG	NG	NG	NG	NG	NG	0.2	5.0
6363	YEL	SLC	1.048	6.5	1+	NG	TR	NG	NG	NG	NG	0.2	6.0
6364	YEL	SLC	1.049	6.5	2+	NG	NG	NG	NG	NG	NG	0.2	6.0
6366	YEL	SLC	1.026	7.0	1+	NG	NG	NG	NG	TR	NG	0.2	12.0
6367	YEL	SLC	1.076	6.0	2+	NG	NG	NG	1+	NG	NG	1.0	4.0
6370	YEL	SLC	1.036	6.5	1+	NG	TR	NG	TR	NG	NG	0.2	8.0

MEAN			1.043	6.4								0.3	8.0
S.D.			0.0153	0.39								0.25	3.59
S.E.			0.0048	0.12								0.08	1.14
N			10	10								10	10

----- MACRO CODE -----
 SG=SPECIFIC GRAVITY, PRO=PROTEIN, GLU=GLUCOSE, KET=KETONE, BIL=BILIRUBIN, BLD=BLOOD, NIT=NITRITE,
 URO=UROBILINOGEN (mg/dL), NG=NEGATIVE, 1+=TRACE TO SLIGHT, 2+=SLIGHT TO MODERATE, TR=TRACE, P+=POSITIVE, LEU=LEUKOCYTES,
 TVOL=TOTAL VOLUME (mL), COL=COLOR, CLA=CLARITY, SLC=SLIGHTLY CLOUDY, YEL=YELLOW

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A10 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL MACROSCOPIC URINALYSIS VALUES

PAGE 4
 WEEK 13

GROUP: CONTROL DIET		FEMALES													
ANIMAL	M A C R O COL	CLA	SG	PH	PRO	GLU	KET	BIL	BLD	LEU	NIT	URO	TVOL		
6422	YEL	SLC	1.055	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	3.0		
6430	YEL	SLC	1.021	6.0	NG	NG	NG	NG	TR	NG	NG	0.2	11.0		
6435	YEL	SLC	1.057	5.5	1+	NG	NG	NG	NG	NG	NG	0.2	2.0		
6436	YEL	SLC	1.051	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	3.0		
6440	YEL	SLC	1.086	6.0	2+	NG	NG	NG	NG	NG	P+	1.0	2.0		
6442	YEL	SLC	1.054	6.0	1+	NG	NG	NG	NG	NG	P+	0.2	2.0		
6443	YEL	SLC	1.045	5.5	1+	NG	NG	NG	NG	NG	NG	0.2	1.0		
6445	YEL	SLC	1.016	5.5	NG	NG	NG	NG	NG	NG	NG	0.2	13.0		
6452	YEL	SLC	1.043	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	3.0		
6457	YEL	SLC	1.031	6.0	NG	NG	NG	NG	NG	NG	P+	0.2	5.0		
MEAN			1.046	5.9								0.3	4.5		
S.D.			0.0201	0.24								0.25	4.12		
S.E.			0.0064	0.08								0.08	1.30		
N			10	10								10	10		

----- MACRO CODE -----
 SG=SPECIFIC GRAVITY, PRO=PROTEIN, GLU=GLUCOSE, KET=KETONE, BIL=BILIRUBIN, BLD=BLOOD, NIT=NITRITE,
 URO=UROBILINOGEN (mg/dL), NG=NEGATIVE, 1+=TRACE TO SLIGHT, 2+=SLIGHT TO MODERATE, TR=TRACE, P+=POSITIVE, LEU=LEUKOCYTES,
 TVOL=TOTAL VOLUME (mL), COL=COLOR, CLA=CLARITY, SLC=SLIGHTLY CLOUDY, YEL=YELLOW

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A10 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL MACROSCOPIC URINALYSIS VALUES

PAGE 5
 WEEK 13

GROUP: 5% TEST DIET		FEMALES											
ANIMAL	M A C R O COL CLA	SG	PH	PRO	GLU	KET	BIL	BLD	LEU	NIT	URO	TVOL	
6421	RED	CLD	1.034	6.5	3+	2+	1+	2+	3+	2+	P+	4.0	11.0
6426	YEL	SLC	1.080	5.5	2+	NG	NG	NG	NG	NG	NG	1.0	2.0
6431	YEL	SLC	1.062	5.5	2+	NG	NG	NG	NG	NG	P+	1.0	2.0
6433	YEL	SLC	1.027	6.0	TR	NG	NG	NG	1+	NG	NG	0.2	8.0
6437	YEL	SLC	1.038	6.0	TR	NG	NG	NG	NG	NG	NG	0.2	3.0
6449	YEL	SLC	1.090	5.5	3+	NG	NG	1+	NG	NG	P+	2.0	1.0
6450	YEL	SLC	1.104	5.5	3+	NG	NG	1+	NG	NG	NG	2.0	1.0
6451	YEL	SLC	1.017	6.0	NG	NG	NG	NG	TR	NG	NG	0.2	13.0
6455	YEL	SLC	1.022	6.0	NG	NG	NG	NG	NG	NG	NG	0.2	9.0
6456	YEL	SLC	1.044	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	3.0
MEAN			1.052	5.9								1.1	5.3
S.D.			0.0305	0.34								1.25	4.50
S.E.			0.0096	0.11								0.40	1.42
N			10	10								10	10

----- MACRO CODE -----
 SG=SPECIFIC GRAVITY, PRO=PROTEIN, GLU=GLUCOSE, KET=KETONE, BIL=BILIRUBIN, BLD=BLOOD, NIT=NITRITE,
 URO=UROBILINOGEN (mg/dL), CLD=CLOUDY, NG=NEGATIVE, 1+=TRACE TO SLIGHT, 2+=SLIGHT TO MODERATE, 3+=MODERATE TO ABUNDANT,
 TR=TRACE, P+=POSITIVE, LEU=LEUKOCYTES, TVOL=TOTAL VOLUME (mL), COL=COLOR, CLA=CLARITY, SLC=SLIGHTLY CLOUDY, YEL=YELLOW,
 RED=RED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A10 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC URINALYSIS VALUES

PAGE 6
WEEK 13

GROUP: 15% TEST DIET		FEMALES												
ANIMAL	M A C R O COL CLA	SG	PH	PRO	GLU	KET	BIL	BLD	LEU	NIT	URO	TVOL		
6423	YEL SLC	1.029	6.0	TR	NG	NG	NG	NG	NG	NG	0.2	6.0		
6424	YEL SLC	1.034	6.0	TR	NG	NG	NG	NG	NG	NG	0.2	5.0		
6427	YEL SLC	1.030	6.0	1+	NG	NG	NG	NG	NG	NG	0.2	4.0		
6428	YEL SLC	1.035	6.0	TR	NG	NG	NG	NG	NG	NG	0.2	5.0		
6429	YEL SLC	1.044	6.5	1+	NG	NG	NG	NG	NG	NG	0.2	5.0		
6432	YEL SLC	1.022	6.0	NG	NG	NG	NG	NG	NG	NG	0.2	7.0		
6434	YEL SLC	1.048	5.5	3+	NG	NG	1+	NG	TR	NG	0.2	3.0		
6441	YEL SLC	1.060	5.5	2+	NG	NG	NG	NG	NG	NG	1.0	2.0		
6444	YEL SLC	1.080	5.5	2+	NG	NG	1+	NG	NG	NG	1.0	2.0		
6447	YEL SLC	1.072	6.0	2+	NG	NG	1+	NG	NG	NG	0.2	2.0		
MEAN		1.045	5.9								0.4	4.1		
S.D.		0.0195	0.32								0.34	1.79		
S.E.		0.0062	0.10								0.11	0.57		
N		10	10								10	10		

----- MACRO CODE -----
SG=SPECIFIC GRAVITY, PRO=PROTEIN, GLU=GLUCOSE, KET=KETONE, BIL=BILIRUBIN, BLD=BLOOD, NIT=NITRITE,
URO=UROBILINOGEN (mg/dL), NG=NEGATIVE, 1+=TRACE TO SLIGHT, 2+=SLIGHT TO MODERATE, 3+=MODERATE TO ABUNDANT, TR=TRACE,
LEU=LEUKOCYTES, TVOL=TOTAL VOLUME (mL), COL=COLOR, CLA=CLARITY, SLC=SLIGHTLY CLOUDY, YEL=YELLOW

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PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A11 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MICROSCOPIC URINALYSIS VALUES

PAGE 1
WEEK 13

GROUP:		CONTROL DIET		MALES							
ANIMAL	WBC	M I RBC	C R O			HA	TPH	COX	UAC	OTHER	
			EPI	BAC	AMC						
6357	NG	NG	R	R	NG	NG	M	NG	NG		
6358	NG	NG	R	R	NG	NG	R	NG	NG		
6360	0- 1	NG	NG	R	NG	NG	R	NG	NG	R -SPERM	
6365	NG	1- 3	R	R	NG	NG	NG	NG	NG	M -SPERM	
6368	NG	NG	R	R	F	NG	F	NG	NG	R -SPERM	
6369	NG	NG	NG	R	R	NG	NG	NG	NG	R -SPERM	
6375	0- 1	0- 1	R	R	NG	NG	NG	NG	NG	M -SPERM	
6380	0- 1	NG	NG	R	R	NG	F	NG	NG	F -SPERM	
6383	NG	NG	R	R	NG	NG	NG	NG	NG	F -SPERM	
6384	NG	0- 1	NG	R	R	NG	M	NG	NG	F -SPERM	

----- MICRO CODE -----
EPI=EPITHELIAL, BAC=BACTERIA, AMC=AMORPHOUS CRYSTALS, HA=HIPPURIC ACID, TPH=TRIPLE PHOSPHATES, COX=CALCIUM OXALATE,
UAC=URIC ACID CRYSTALS, NG=NEGATIVE, R=RARE, F=FEW, M=MODERATE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A11 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MICROSCOPIC URINALYSIS VALUES

PAGE 2
WEEK 13

GROUP:	5% TEST	DIET		MALES							
		M	I	C	R	O					
ANIMAL	WBC	RBC	EPI	BAC	AMC	HA	TPH	COX	UAC	OTHER	
6350	NG	0- 1	R	R	NG	NG	NG	NG	NG	R	-SPERM
6353	NG	NG	R	R	NG	NG	R	NG	NG	M	-SPERM
6354	NG	NG	R	R	R	NG	NG	NG	NG	F	-SPERM
6356	0- 1	0- 1	R	R	NG	NG	NG	NG	NG		
6371	NG	0- 1	R	R	NG	NG	NG	NG	NG	F	-SPERM
6372	NG	NG	NG	R	NG	NG	R	NG	NG		
6374	0- 1	0- 2	R	R	NG	NG	NG	NG	NG	F	-SPERM
6376	NG	0- 1	NG	R	R	NG	NG	NG	NG	M	-SPERM
6378	NG	NG	R	R	NG	NG	NG	NG	NG	R	-SPERM
6379	NG	NG	NG	R	NG	NG	F	NG	NG		

----- MICRO CODE -----
EPI=EPITHELIAL, BAC=BACTERIA, AMC=AMORPHOUS CRYSTALS, HA=HIPPURIC ACID, TPH=TRIPLE PHOSPHATES, COX=CALCIUM OXALATE,
UAC=URIC ACID CRYSTALS, NG=NEGATIVE, R=RARE, F=FEW, M=MODERATE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A11 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MICROSCOPIC URINALYSIS VALUES

PAGE 3
WEEK 13

GROUP: 15% TEST DIET		MALES									
ANIMAL	WBC	M	I	C	R	O	HA	TPH	COX	UAC	OTHER
		RBC	EPI	BAC	AMC						
6351	NG	0-	1	R	R	NG	NG	R	NG	NG	F -SPERM
6352	NG	0-	1	R	R	NG	NG	NG	NG	NG	
6359	0- 1	0-	1	NG	R	NG	NG	R	NG	NG	R -SPERM
6361	NG	NG		NG	R	NG	NG	M	NG	NG	R -SPERM
6362	0- 1	0-	1	NG	R	NG	NG	R	NG	NG	
6363	0- 1	NG		R	R	NG	NG	F	NG	NG	F -SPERM
6364	NG	0-	1	NG	R	NG	NG	F	NG	NG	
6366	NG	NG		R	R	NG	NG	R	NG	NG	R -SPERM
6367	NG	0-	2	R	R	NG	NG	NG	NG	NG	R -SPERM
6370	NG	NG		R	R	R	NG	NG	NG	NG	F -SPERM

----- MICRO CODE -----
EPI=EPITHELIAL, BAC=BACTERIA, AMC=AMORPHOUS CRYSTALS, HA=HIPPURIC ACID, TPH=TRIPLE PHOSPHATES, COX=CALCIUM OXALATE,
UAC=URIC ACID CRYSTALS, NG=NEGATIVE, R=RARE, F=FEW, M=MODERATE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A11 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MICROSCOPIC URINALYSIS VALUES

PAGE 4
WEEK 13

GROUP:	CONTROL	DIET	FEMALES							
			M	I	C	R	O			
ANIMAL	WBC	RBC	EPI	BAC	AMC	HA	TPH	COX	UAC	
6422	0- 1	0- 1	R	R	NG	NG	NG	NG	NG	
6430	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6435	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6436	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6440	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6442	0- 1	0- 2	NG	R	NG	NG	NG	NG	NG	
6443	NG	NG	R	R	R	NG	NG	NG	NG	
6445	0- 1	0- 1	R	R	R	NG	NG	NG	NG	
6452	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6457	NG	0- 1	NG	R	NG	NG	NG	NG	NG	

----- MICRO CODE -----
EPI=EPITHELIAL, BAC=BACTERIA, AMC=AMORPHOUS CRYSTALS, HA=HIPPURIC ACID, TPH=TRIPLE PHOSPHATES, COX=CALCIUM OXALATE,
UAC=URIC ACID CRYSTALS, NG=NEGATIVE, R=RARE

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A11 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MICROSCOPIC URINALYSIS VALUES

PAGE 5
WEEK 13

GROUP:	5% TEST	DIET	FEMALES							
			M	I	C	R	O			
ANIMAL	WBC	RBC	EPI	BAC	AMC	HA	TPH	COX	UAC	
6421	NG	TNTC	NG	R	R	NG	NG	NG	NG	
6426	NG	0- 1	R	R	R	NG	NG	NG	NG	
6431	NG	NG	R	R	R	NG	NG	NG	NG	
6433	NG	0- 1	R	F	NG	NG	NG	NG	NG	
6437	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6449	NG	0- 1	NG	R	R	NG	NG	NG	NG	
6450	NG	NG	R	R	NG	NG	R	NG	NG	
6451	0- 2	0- 1	R	R	NG	NG	NG	NG	NG	
6455	NG	0- 1	R	R	NG	NG	NG	NG	NG	
6456	NG	0- 1	NG	R	NG	NG	NG	NG	NG	

----- MICRO CODE -----
EPI=EPITHELIAL, BAC=BACTERIA, AMC=AMORPHOUS CRYSTALS, HA=HIPURIC ACID, TPH=TRIPLE PHOSPHATES, COX=CALCIUM OXALATE,
UAC=URIC ACID CRYSTALS, TNTC=TOO NUMEROUS TO COUNT, NG=NEGATIVE, R=RARE, F=FEW

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A11 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MICROSCOPIC URINALYSIS VALUES

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WEEK 13

ANIMAL	WBC	DIET		FEMALES						
		M	I	C	R	O				
		RBC		EPI	BAC	AMC	HA	TPH	COX	UAC

6423	NG	0- 1		R	R	NG	NG	NG	NG	NG
6424	NG	0- 1		NG	R	NG	NG	NG	NG	NG
6427	0- 1	0- 1		NG	R	NG	NG	NG	NG	NG
6428	NG	0- 1		R	R	R	NG	NG	NG	NG
6429	NG	NG		R	R	NG	NG	R	NG	NG
6432	0- 1	0- 1		R	R	NG	NG	NG	NG	NG
6434	NG	NG		R	R	R	NG	NG	NG	NG
6441	NG	0- 1		NG	R	NG	NG	NG	NG	NG
6444	NG	NG		R	R	NG	NG	NG	NG	NG
6447	NG	0- 1		NG	R	NG	NG	NG	NG	NG

----- MICRO CODE -----
EPI=EPITHELIAL, BAC=BACTERIA, AMC=AMORPHOUS CRYSTALS, HA=HIPPURIC ACID, TPH=TRIPLE PHOSPHATES, COX=CALCIUM OXALATE,
UAC=URIC ACID CRYSTALS, NG=NEGATIVE, R=RARE

PUv4.14
03/06/2008

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A12 (UNSCHEDULED DEATHS)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 1

ANIMAL NO. 6487 GROUP 2: 5% TEST DIET FEMALE FOUND DEAD 12/03/07 DATE OF DEATH: 12/03/07 STUDY DAY: 60
GRADE

LUNGS	GROSS: PALE				P
	ALL LOBES				
LUNGS	MICRO: HEMORRHAGE				2
	LOCALIZED				
THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
UTERUS	MICRO: DILATATION, LUMEN				2
CAUSE OF DEATH	MICRO: UNDETERMINED				P
NO SIGNIFICANT					
CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
	CECUM	COLON	DUODENUM	ESOPHAGUS	
	EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
	KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	OVIDUCTS	
	OVARIES	PANCREAS	PHARYNX	PITUITARY	
	RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
	SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS	
	THYMUS	TRACHEA	URINARY BLADDER	UTERUS	
	VAGINA	CERVIX	NASAL CAVITY		
	MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
	DUODENUM	HEART	ILEUM	JEJUNUM	
	KIDNEYS	LIVER	LYMPH NODE, MES	NERVE, SCIATIC	
	OVIDUCTS	OVARIES	PANCREAS	RECTUM	
	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
	PARATHYROIDS	THYMUS			

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

LUNGS: PALE

<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PGRHv4.59
04/09/2008

FINAL REPORT

Volume 2 of 2
(Appendix A - Tables A13-A16 and Appendices B - L)

STUDY TITLE

A 90-DAY FEEDING STUDY IN RATS WITH
PROCESSED MEAL FROM MON 87769 SOYBEANS

STUDY NUMBER

WIL-50333

DATA REQUIREMENT

OECD Guideline, Section 408

STUDY DIRECTOR

Jeannie B. Kirkpatrick, MS

STUDY COMPLETION DATE

23 December 2008

PERFORMING LABORATORIES

WIL Research Laboratories, LLC
1407 George Road, Ashland, OH 44805-8946

Test Diet
1050 Progress Drive, Richmond, IN 47374

Covance Laboratories
3301 Kinsman Boulevard, Madison, WI 53704

Midwest ToxPath Sciences, Inc.
743 Spirit 40 Park Drive, Suite 209, Chesterfield, MO 63005

SPONSOR STUDY NUMBER

WI-2007-068

SPONSOR

Monsanto Company
800 North Lindbergh Blvd.
St. Louis, MO 63167

APPENDIX A [CONTINUED]

Individual Animal Data

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 1

ANIMAL NO. 6357 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	2.34	0.438	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	16.34	3.060	NO SIGNIFICANT					
KIDNEYS	3.83	0.717	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.80	0.150		CECUM	COLON	DUODENUM	EPIDIDYMITES	
HEART	1.58	0.296		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYMITES	1.55	0.290		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.58	0.670		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.2127	0.040		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0693	0.013		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROID/ PARA.	0.0135	0.003		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	534.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMITES	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROID	
				THYMUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 2

ANIMAL NO. 6358 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	1.97	0.372	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE				(1)
LIVER	13.73	2.595	THYMUS	GROSS: AREA(S), DARK RED				P
KIDNEYS	3.70	0.699		MULTIPLE, IRREGULARLY SHAPED				
SPLEEN	0.90	0.170	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.70	0.321	NO SIGNIFICANT					
EPIDIDYMIDES	1.37	0.259	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
TESTES	3.59	0.679		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYMUS	0.3816	0.072		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
ADRENAL GLANDS	0.0569	0.011		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYROIDS/PARA.	0.0221	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
FINAL BODY WT(G)	529.			PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LIVER	LYMPH NODE, MES	NERVE, SCIATIC	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 3

ANIMAL NO. 6360 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: BASOPHILIC TUBULES				1
BRAIN	2.03	0.439		INFILTRATE, LYMPHOCYTE				(1)
LIVER	12.06	2.610	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	3.36	0.727	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
SPLEEN	0.60	0.130	NO SIGNIFICANT					
HEART	1.44	0.312	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
EPIDIDYMIDES	1.38	0.299		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
TESTES	3.52	0.762		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYMUS	0.2597	0.056		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
ADRENAL GLANDS	0.0773	0.017		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYROIDS/PARA.	0.0209	0.005		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
FINAL BODY WT(G)	462.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	PARATHYROIDS	THYMUS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6365 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	KIDNEYS	GROSS: DILATED PELVIS			1
BRAIN	2.30	0.420		RIGHT			
LIVER	16.36	2.991	KIDNEYS	MICRO: BASOPHILIC TUBULES			(1)
KIDNEYS	4.00	0.731		DILATATION, PELVIS			1
SPLEEN	0.79	0.144	LIVER	GROSS: AREA(S), WHITE			P
HEART	1.90	0.347		ONE, 1 MM IN DIAMETER, IN MEDIAN CLEFT			
EPIDIDYMIDES	1.22	0.223	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
TESTES	3.32	0.607		FIBROSIS, CAPSULAR			(1)
THYMUS	0.2593	0.047	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE			(1)
ADRENAL GLANDS	0.0549	0.010	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
THYROIDS/PARA.	0.0261	0.005		ONE PRESENT IN SECTION PLANE			
FINAL BODY WT(G)	547.		THYMUS	MICRO: HEMORRHAGE			1
			NO SIGNIFICANT				
			CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
				CECUM	COLON	DUODENUM	EPIDIDYMIDES
				ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MAND	LYMPH NODE, MES	LUNGS
				LARYNX	NERVE, SCIATIC	PANCREAS	PHARYNX
				PITUITARY	PROSTATE	RECTUM	SPINAL CORD
				SAL. GLAND MAND	STOMACH	SKELETAL MUSCLE	SKIN
				SPLEEN	SEMINAL VESICLES	TESTES	THYROID GLANDS
				THYMUS	TRACHEA	URINARY BLADDER	NASAL CAVITY
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	RECTUM
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN
				TESTES	THYROID GLANDS	PARATHYROIDS	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6365 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

KIDNEYS: DILATED PELVIS
LIVER: AREA(S), WHITE

<====>KIDNEYS: DILATATION, PELVIS
<====>LIVER: FIBROSIS, CAPSULAR

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6368 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	2.15	0.444	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	13.77	2.845	NO SIGNIFICANT					
KIDNEYS	3.60	0.744	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.73	0.151		CECUM	COLON	DUODENUM	EPIDIDYMITES	
HEART	1.56	0.322		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYMITES	1.47	0.304		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.37	0.696		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.4172	0.086		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0755	0.016		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROID/ PARA.	0.0227	0.005		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	484.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMITES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROID	
				THYMUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6369 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	1.97	0.385	ILEUM	MICRO: DILATATION, CRYPTS				(1)
LIVER	15.08	2.945		DILATED CRYPT CONTAIN A FEW DEGENERATE NEUTROPHILS				
KIDNEYS	3.52	0.688	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
SPLEEN	0.69	0.135	PANCREAS	MICRO: INFLAMMATION, CHRONIC				(1)
HEART	1.47	0.287		WITH LOCALIZED MILD ATROPHY OF EXOCRINE PANCREATIC ACINI				
EPIDIDYMIDES	1.31	0.256	THYMUS	MICRO: HEMORRHAGE				1
TESTES	3.20	0.625	NO SIGNIFICANT					
THYMUS	0.2917	0.057	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
ADRENAL GLANDS	0.0662	0.013		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYROIDS/PARA.	0.0218	0.004		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
FINAL BODY WT(G)	512.			JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	JEJUNUM	LIVER	
				LYMPH NODE, MES	NERVE, SCIATIC	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	TESTES	
				THYROID GLANDS	PARATHYROIDS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6375 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	EPIDIDYIMIDES	MICRO: INFILTRATE, LYMPHOCYTE				(1)
BRAIN	2.09	0.477	KIDNEYS	MICRO: BASOPHILIC TUBULES				1
LIVER	11.01	2.514	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	3.12	0.712	THYMUS	GROSS: AREA(S), DARK RED				P
SPLEEN	0.67	0.153		MULTIPLE, IRREGULARLY SHAPED				
HEART	1.33	0.304	THYMUS	MICRO: HEMORRHAGE				1
EPIDIDYIMIDES	1.39	0.317	NO SIGNIFICANT					
TESTES	3.36	0.767	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYMUS	0.3211	0.073		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
ADRENAL GLANDS	0.0747	0.017		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYROID/ PARA.	0.0211	0.005		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
FINAL BODY WT(G)	438.			LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	RECTUM	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				TESTES	THYROID GLANDS	PARATHYROIDS		
GROSS/MICRO CORRELATIONS								
GROSS FINDING				<====>	CONFIRMING MICROSCOPIC FINDING			
THYMUS: AREA(S), DARK RED				<====>	THYMUS: HEMORRHAGE			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6380 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	2.07	0.411		GLOMERULONEPHRITIS				1
LIVER	15.53	3.081		CHRONIC				
KIDNEYS	4.00	0.794	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
SPLEEN	0.61	0.121	PARATHYROIDES	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
HEART	1.53	0.304		ONE PRESENT IN SECTION PLANE				
EPIDIDYMIDES	1.46	0.290	THYMUS	MICRO: HEMORRHAGE				1
TESTES	3.55	0.704	NO SIGNIFICANT					
THYMUS	0.2179	0.043	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
ADRENAL GLANDS	0.0520	0.010		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYROIDES/PARA.	0.0198	0.004		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
FINAL BODY WT(G)	504.			JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDES	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6383 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	2.22	0.414	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	14.50	2.705	THYMUS	GROSS: AREA(S), DARK RED				P
KIDNEYS	3.49	0.651		FEW, PINPOINT TO 3 MM IN DIAMETER				
SPLEEN	0.82	0.153	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.48	0.276	NO SIGNIFICANT					
EPIDIDYMIDES	1.58	0.295	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
TESTES	3.87	0.722		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYMUS	0.4610	0.086		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
ADRENAL GLANDS	0.0666	0.012		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYROIDS/PARA.	0.0207	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
FINAL BODY WT(G)	536.			PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	
GROSS/MICRO CORRELATIONS								
GROSS FINDING				<====> CONFIRMING MICROSCOPIC FINDING				
THYMUS: AREA(S), DARK RED				<====>THYMUS: HEMORRHAGE				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6384 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE			1
BRAIN	2.17	0.487	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
LIVER	13.49	3.025	STOMACH, NON	MICRO: INFLAMMATION, SUBACUTE			(1)
KIDNEYS	3.26	0.731		LOCALIZED; WITH MINIMAL EDEMA AND GRANULOCYTE INFILTRATE			
SPLEEN	0.71	0.159	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL			P
HEART	1.52	0.341	PARATHYROIDS	MICRO: NOT PRESENT FOR EXAMINATION			
EPIDIDYMIDES	1.34	0.300		BOTH NOT PRESENT IN SECTION PLANE			
TESTES	3.44	0.771	NO SIGNIFICANT				
THYMUS	0.3296	0.074	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
ADRENAL GLANDS	0.0482	0.011		CECUM	COLON	DUODENUM	EPIDIDYMIDES
THYROIDS/PARA.	0.0199	0.004		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
FINAL BODY WT(G)	446.			JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
				PANCREAS	PHARYNX	PITUITARY	PROSTATE
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	THYMUS	TRACHEA
				URINARY BLADDER	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	SPLEEN
				TESTES	THYMUS		

NOT PRESENT FOR EXAMINATION

MICRO:PARATHYROIDS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6385 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	GROSS: AREA(S), DEPRESSED		P	
BRAIN	2.08	0.358		FEW, 1 MM IN DIAMETER, IN CORTEX, BILATERAL			
LIVER	16.37	2.818	KIDNEYS	MICRO: BASOPHILIC TUBULES		(1)	
KIDNEYS	3.94	0.678		MINERALIZATION, CORTICAL		(1)	
SPLEEN	0.83	0.143	LIVER	MICRO: INFLAMMATION, SUBACUTE		1	
HEART	1.98	0.341	PANCREAS	MICRO: INFLAMMATION, CHRONIC		2	
EPIDIDYMIDES	1.30	0.224		MATURE FIBROUS CONNECTIVE TISSUE SURROUNDED ISLETS AND			
TESTES	3.56	0.613		DISSECTED BETWEEN LOBULES ADMIXED WITH A FEW MONONUCLEAR			
THYMUS	0.3895	0.067		LEUKOCYTES, SOME OF WHICH, CONTAINED BROWN PIGMENT			
ADRENAL GLANDS	0.0530	0.009	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL		P	
THYROIDS/PARA.	0.0190	0.003	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
FINAL BODY WT(G)	581.			ONE PRESENT IN SECTION PLANE			
			NO SIGNIFICANT				
			CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
				CECUM	COLON	DUODENUM	EPIDIDYMIDES
				ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
				LUNGS	LARYNX	NERVE, SCIATIC	PANCREAS
				PHARYNX	PITUITARY	PROSTATE	RECTUM
				SPINAL CORD	SAL. GLAND MAND	STOMACH	SKELETAL MUSCLE
				SKIN	SPLEEN	SEMINAL VESICLES	TESTES
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	RECTUM
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN
				TESTES	PARATHYROIDS	THYMUS	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6385 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

KIDNEYS: AREA(S), DEPRESSED

<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6392 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE	1
BRAIN	2.19	0.387	PANCREAS	MICRO: INFILTRATE, MONONUCLEAR	1
LIVER	16.02	2.830		SOME CONTAINED INTRACYTOPLASMIC PIGMENT	
KIDNEYS	3.63	0.641	NO SIGNIFICANT		
SPLEEN	0.98	0.173	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	
HEART	1.65	0.292		CECUM	
EPIDIDYMIDES	1.37	0.242		ESOPHAGUS	
TESTES	3.93	0.694		JEJUNUM	
THYMUS	0.5610	0.099		LYMPH NODE, MES	
ADRENAL GLANDS	0.0652	0.012		PANCREAS	
THYROIDS/PARA.	0.0274	0.005		RECTUM	
FINAL BODY WT(G)	566.			SKELETAL MUSCLE	
				TESTES	
				URINARY BLADDER	
				MICRO:ADRENAL CORTEX	
				DUODENUM	
				JEJUNUM	
				RECTUM	
				SPLEEN	
				THYMUS	
				AORTA	
				COLON	
				EYES/OPTIC N.	
				KIDNEYS	
				LUNGS	
				PHARYNX	
				SPINAL CORD	
				SKIN	
				THYROID GLANDS	
				NASAL CAVITY	
				ADRENAL MEDULLA	
				EPIDIDYMIDES	
				HEART	
				LYMPH NODE, MES	
				STOMACH, GLAN	
				THYROID GLANDS	
				BRAIN	
				COLON	
				ILEUM	
				NERVE, SCIATIC	
				STOMACH, NON	
				PARATHYROIDS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6394 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	2.19	0.388	ILEUM	MICRO: DILATATION, CRYPTS				1
LIVER	18.01	3.188		DILATED CRYPT(S) CONTAINED A FEW DEGENERATE LEUKOCYTES				
KIDNEYS	4.68	0.828	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
SPLEEN	0.87	0.154	LIVER	MICRO: INFLAMMATION, NECROTIZING				((3))
HEART	1.75	0.310		WITH NEUTROPHILIC INFILTRATE				
EPIDIDYMIDES	1.64	0.290	PARATHYROIDES	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
TESTES	4.20	0.743		ONE PRESENT IN SECTION PLANE				
THYMUS	0.4248	0.075	NO SIGNIFICANT					
ADRENAL GLANDS	0.0700	0.012	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYROIDES/PARA.	0.0206	0.004		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
FINAL BODY WT(G)	565.			ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
				JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	JEJUNUM	LYMPH NODE, MES	
				NERVE, SCIATIC	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	TESTES	
				THYROID GLANDS	PARATHYROIDES	THYMUS		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6395 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: BASOPHILIC TUBULES				(1)
BRAIN	1.98	0.428	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	15.32	3.309	RECTUM	MICRO: INFLAMMATION, ACUTE				(1)
KIDNEYS	3.48	0.752		FOCAL, INVOLVING MUSCULAR TUNIC				
SPLEEN	0.71	0.153	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.55	0.335	NO SIGNIFICANT					
EPIDIDYMIDES	1.49	0.322	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
TESTES	3.40	0.734		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYMUS	0.1688	0.036		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
ADRENAL GLANDS	0.0606	0.013		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYROIDS/PARA.	0.0192	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
FINAL BODY WT(G)	463.			PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				TESTES	THYROID GLANDS	PARATHYROIDS		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6397 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	2.12	0.424	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	13.81	2.762	PARATHYROID	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
KIDNEYS	3.38	0.676		ONE PRESENT IN SECTION PLANE				
SPLEEN	0.75	0.150	THYMUS	GROSS: AREA(S), DARK RED				P
HEART	1.66	0.332		MULTIPLE, PINPOINT				
EPIDIDYMIDES	1.29	0.258	THYMUS	MICRO: HEMORRHAGE				1
TESTES	3.28	0.656	NO SIGNIFICANT					
THYMUS	0.2644	0.053	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
ADRENAL GLANDS	0.0577	0.012		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYROID/ PARA.	0.0197	0.004		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
FINAL BODY WT(G)	500.			JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROID	

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
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ANIMAL NO. 6399 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.06	0.445	LYMPH NODE, MES	MICRO: HISTIOCYTOSIS, SINUS				2
LIVER	13.49	2.914	NO SIGNIFICANT					
KIDNEYS	3.68	0.795	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.65	0.140		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
HEART	1.54	0.333		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYIMIDES	1.48	0.320		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.81	0.823		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.2519	0.054		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0633	0.014		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROIDS/PARA.	0.0203	0.004		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	463.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYIMIDES	HEART	ILEUM	
				JEJUNUM	KIDNEYS	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	
				THYMUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6400 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: BASOPHILIC TUBULES				1
BRAIN	2.08	0.435		INFILTRATE, LYMPHOCYTE				1
LIVER	13.33	2.789	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	3.98	0.833	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
SPLEEN	0.66	0.138	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
HEART	1.58	0.331		ONE PRESENT IN SECTION PLANE				
EPIDIDYMIDES	1.30	0.272	NO SIGNIFICANT					
TESTES	3.23	0.676	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYMUS	0.3440	0.072		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
ADRENAL GLANDS	0.0752	0.016		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYROIDS/PARA.	0.0208	0.004		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
FINAL BODY WT(G)	478.			LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	PARATHYROIDS	THYMUS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6406 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	2.06	0.396	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	15.27	2.937	THYMUS	MICRO: HEMORRHAGE				1
KIDNEYS	4.03	0.775	NO SIGNIFICANT					
SPLEEN	0.88	0.169	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.54	0.296		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
EPIDIDYMIDES	1.52	0.292		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
TESTES	3.67	0.706		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYMUS	0.3141	0.060		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
ADRENAL GLANDS	0.0672	0.013		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
THYROIDS/PARA.	0.0179	0.003		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
FINAL BODY WT(G)	520.			SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6415 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY			P
BRAIN	2.32	0.450		SALIVARY GLAND MANDIBULAR, LEFT			
LIVER	16.67	3.231	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE			1
KIDNEYS	4.42	0.857	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
SPLEEN	0.76	0.147	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL			P
HEART	1.66	0.322	NO SIGNIFICANT				
EPIDIDYMIDES	1.54	0.298	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
TESTES	3.84	0.744		CECUM	COLON	DUODENUM	EPIDIDYMIDES
THYMUS	0.2432	0.047		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
ADRENAL GLANDS	0.0528	0.010		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
THYROIDS/PARA.	0.0210	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
FINAL BODY WT(G)	516.			PANCREAS	PHARYNX	PITUITARY	PROSTATE
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	THYMUS	TRACHEA
				URINARY BLADDER	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				SPLEEN	TESTES	PARATHYROIDS	THYMUS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6419 GROUP 1: CONTROL DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.05	0.423	PANCREAS	MICRO: ATROPHY, ACINAR				2
LIVER	14.76	3.043		LOCALIZED, WITH MINIMAL MONONUCLEAR LEUKOCYTE INFILTRATE AND				
KIDNEYS	3.63	0.748		INDIVIDUAL CELL APOPTOSIS				
SPLEEN	0.71	0.146	NO SIGNIFICANT					
HEART	1.66	0.342	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
EPIDIDYIMIDES	1.58	0.326		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
TESTES	3.57	0.736		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYMUS	0.3338	0.069		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
ADRENAL GLANDS	0.0644	0.013		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYROIDS/PARA.	0.0212	0.004		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
FINAL BODY WT(G)	485.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYIMIDES	HEART	ILEUM	
				JEJUNUM	KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	
				THYMUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6350 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	STOMACH	GROSS: CONTENTS, DARK RED			P
BRAIN	2.27	0.458	NO SIGNIFICANT				
LIVER	14.34	2.891	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
KIDNEYS	3.65	0.736		CECUM	COLON	DUODENUM	EPIDIDYMITES
SPLEEN	0.80	0.161		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
HEART	1.65	0.333		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
EPIDIDYMITES	1.31	0.264		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
TESTES	3.35	0.675		PANCREAS	PHARYNX	PITUITARY	PROSTATE
THYMUS	0.3846	0.078		RECTUM	SPINAL CORD	SAL. GLAND MAND	SKELETAL MUSCLE
ADRENAL GLANDS	0.0610	0.012		SKIN	SPLEEN	SEMINAL VESICLES	TESTES
THYROID/ PARA.	0.0275	0.006		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
FINAL BODY WT(G)	496.			NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6353 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LYMPH NODE, MAND	GROSS: DISCOLORATION, DARK RED				P
BRAIN	2.19	0.403		BILATERAL				
LIVER	14.48	2.662	NO SIGNIFICANT					
KIDNEYS	3.55	0.653	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.81	0.149		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
HEART	1.66	0.305		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYMIDES	1.41	0.259		JEJUNUM	KIDNEYS	LIVER	LYMPH NODE, MES	
TESTES	3.23	0.594		LUNGS	LARYNX	NERVE, SCIATIC	PANCREAS	
THYMUS	0.3687	0.068		PHARYNX	PITUITARY	PROSTATE	RECTUM	
ADRENAL GLANDS	0.0593	0.011		SPINAL CORD	SAL. GLAND MAND	STOMACH	SKELETAL MUSCLE	
THYROIDS/PARA.	0.0221	0.004		SKIN	SPLEEN	SEMINAL VESICLES	TESTES	
FINAL BODY WT(G)	544.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6354 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	GROSS: AREA(S), DEPRESSED				P
BRAIN	2.19	0.447		FEW, PINPOINT TO 1 MM IN DIAMETER, IN CORTEX, BILATERAL				
LIVER	12.15	2.480	STOMACH	GROSS: CONTENTS, DARK RED				P
KIDNEYS	3.33	0.680	NO SIGNIFICANT					
SPLEEN	0.64	0.131	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.65	0.337		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
EPIDIDYMIDES	1.32	0.269		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
TESTES	3.37	0.688		JEJUNUM	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.3809	0.078		LUNGS	LARYNX	NERVE, SCIATIC	PANCREAS	
ADRENAL GLANDS	0.0562	0.011		PHARYNX	PITUITARY	PROSTATE	RECTUM	
THYROIDS/PARA.	0.0201	0.004		SPINAL CORD	SAL. GLAND MAND	SKELETAL MUSCLE	SKIN	
FINAL BODY WT(G)	490.			SPLEEN	SEMINAL VESICLES	TESTES	THYROID GLANDS	
				THYMUS	TRACHEA	URINARY BLADDER	NASAL CAVITY	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6356 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LYMPH NODE, MAND	GROSS: DISCOLORATION, DARK RED				P
BRAIN	2.06	0.436		BILATERAL				
LIVER	11.53	2.443	NO SIGNIFICANT					
KIDNEYS	3.38	0.716	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.66	0.140		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
HEART	1.76	0.373		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYIMIDES	1.28	0.271		JEJUNUM	KIDNEYS	LIVER	LYMPH NODE, MES	
TESTES	3.22	0.682		LUNGS	LARYNX	NERVE, SCIATIC	PANCREAS	
THYMUS	0.3487	0.074		PHARYNX	PITUITARY	PROSTATE	RECTUM	
ADRENAL GLANDS	0.0585	0.012		SPINAL CORD	SAL. GLAND MAND	STOMACH	SKELETAL MUSCLE	
THYROIDS/PARA.	0.0192	0.004		SKIN	SPLEEN	SEMINAL VESICLES	TESTES	
FINAL BODY WT(G)	472.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6371 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.23	0.420	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	15.50	2.919		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	4.17	0.785		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.70	0.132		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.52	0.286		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.49	0.281		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.45	0.650		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.2825	0.053		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0528	0.010		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0243	0.005		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	531.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6372 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.01	0.433	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	12.92	2.784		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.41	0.735		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.92	0.198		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.54	0.332		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.08	0.233		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.00	0.647		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.2806	0.060		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0470	0.010		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0175	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	464.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6374 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.19	0.429	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	14.39	2.822		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.40	0.667		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.94	0.184		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.55	0.304		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.54	0.302		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.49	0.684		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.2004	0.039		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0629	0.012		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0180	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	510.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6376 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY			P
BRAIN	2.30	0.423		OPTIC NERVE, LEFT			
LIVER	14.49	2.664	THYMUS	GROSS: AREA(S), DARK RED			P
KIDNEYS	4.12	0.757		FEW, PINPOINT			
SPLEEN	0.73	0.134	NO SIGNIFICANT				
HEART	1.82	0.335	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
EPIDIDYMIDES	1.65	0.303		CECUM	COLON	DUODENUM	EPIDIDYMIDES
TESTES	3.97	0.730		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
THYMUS	0.3333	0.061		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
ADRENAL GLANDS	0.0731	0.013		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
THYROIDS/PARA.	0.0219	0.004		PANCREAS	PHARYNX	PITUITARY	PROSTATE
FINAL BODY WT(G)	544.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER
				NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6378 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	THYMUS	GROSS: AREA(S), DARK RED				P
BRAIN	2.12	0.396		MULTIPLE, PINPOINT				
LIVER	14.93	2.791	NO SIGNIFICANT					
KIDNEYS	3.72	0.695	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.73	0.136		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
HEART	1.62	0.303		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYIMIDES	1.36	0.254		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.69	0.690		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.2748	0.051		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0601	0.011		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROIDS/PARA.	0.0215	0.004		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	535.			TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6379 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.07	0.429	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	12.50	2.588		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.77	0.781		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.80	0.166		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.70	0.352		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.25	0.259		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.11	0.644		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.4012	0.083		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0681	0.014		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0197	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	483.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6382 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.08	0.447	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	13.30	2.860		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.32	0.714		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.65	0.140		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.50	0.323		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.37	0.295		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.05	0.656		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.4189	0.090		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0659	0.014		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0208	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	465.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6386 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.27	0.409	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	18.04	3.250		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	4.50	0.811		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.90	0.162		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.81	0.326		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.42	0.256		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.70	0.667		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.2638	0.048		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0573	0.010		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0170	0.003		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	555.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6387 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.16	0.489	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	12.49	2.826		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.17	0.717		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.70	0.158		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.42	0.321		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.39	0.314		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.68	0.833		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.3339	0.076		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0613	0.014		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0221	0.005		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	442.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6393 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	THYROID GLANDS	GROSS: SMALL			P
BRAIN	2.18	0.407		RIGHT			
LIVER	15.38	2.869	TEETH	GROSS: FRACTURED			P
KIDNEYS	3.57	0.666		UPPER INCISOR, LEFT			
SPLEEN	0.82	0.153	TEETH	GROSS: MALALIGNED			P
HEART	1.68	0.313		UPPER INCISOR, BILATERAL			
EPIDIDYIMIDES	1.32	0.246	NO SIGNIFICANT				
TESTES	3.53	0.659	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
THYMUS	0.3146	0.059		CECUM	COLON	DUODENUM	EPIDIDYIMIDES
ADRENAL GLANDS	0.0567	0.011		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
THYROIDS/PARA.	0.0191	0.004		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
FINAL BODY WT(G)	536.			LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
				PANCREAS	PHARYNX	PITUITARY	PROSTATE
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYMUS	TRACHEA	URINARY BLADDER
				NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6402 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.05	0.445	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	15.02	3.258		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.66	0.794		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.81	0.176		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.55	0.336		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.39	0.302		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.63	0.787		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.3849	0.083		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0555	0.012		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0159	0.003		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	461.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6407 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.04	0.440	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	12.56	2.707		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.68	0.793		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.82	0.177		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.72	0.371		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.61	0.347		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	4.02	0.866		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.2421	0.052		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0579	0.012		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0166	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	464.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6408 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY				P
BRAIN	2.09	0.409		KIDNEY, RIGHT				
LIVER	13.74	2.689	NO SIGNIFICANT					
KIDNEYS	3.90	0.763	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.72	0.141		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
HEART	1.61	0.315		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYMIDES	1.40	0.274		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.31	0.648		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.4937	0.097		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0472	0.009		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROIDS/PARA.	0.0180	0.004		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	511.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6411 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.07	0.407	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	14.33	2.821		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	3.17	0.624		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.95	0.187		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.49	0.293		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.50	0.295		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.50	0.689		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.5401	0.106		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0806	0.016		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0218	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	508.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6412 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	1.96	0.444	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	12.97	2.941		CECUM	COLON	DUODENUM	EPIDIDYIMIDES
KIDNEYS	3.23	0.732		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.70	0.159		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.46	0.331		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYIMIDES	1.30	0.295		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	3.26	0.739		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.3352	0.076		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0582	0.013		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0174	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	441.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6413 GROUP 2: 5% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	2.40	0.411	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	18.23	3.122		CECUM	COLON	DUODENUM	EPIDIDYMIDES
KIDNEYS	4.24	0.726		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
SPLEEN	0.86	0.147		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
HEART	1.87	0.320		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
EPIDIDYMIDES	1.61	0.276		PANCREAS	PHARYNX	PITUITARY	PROSTATE
TESTES	4.07	0.697		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYMUS	0.2494	0.043		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
ADRENAL GLANDS	0.0620	0.011		TESTES	THYROID GLANDS	THYMUS	TRACHEA
THYROIDS/PARA.	0.0215	0.004		URINARY BLADDER	NASAL CAVITY		
FINAL BODY WT(G)	584.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6351 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	EPIDIDYIMIDES	MICRO: INFLAMMATION, PYOGRANULOMATOUS				(1)
BRAIN	2.33	0.488	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	13.20	2.767	NO SIGNIFICANT					
KIDNEYS	3.62	0.759	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.66	0.138		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
HEART	1.39	0.291		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYIMIDES	1.49	0.312		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.45	0.723		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.2416	0.051		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0631	0.013		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROIDS/PARA.	0.0163	0.003		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	477.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	
				THYMUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6352 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
BRAIN	2.30	0.430		ECTOPIC THYMUS				P
LIVER	16.58	3.099	NO SIGNIFICANT					
KIDNEYS	4.27	0.798	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.78	0.146		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
HEART	1.86	0.348		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYIMIDES	1.29	0.241		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.75	0.701		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.3342	0.062		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0530	0.010		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROIDS/PARA.	0.0251	0.005		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	535.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYIMIDES	HEART	ILEUM	
				JEJUNUM	KIDNEYS	LIVER	LYMPH NODE, MES	
				NERVE, SCIATIC	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	TESTES	
				PARATHYROIDS	THYMUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6359 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ILEUM	MICRO: DILATATION, CRYPTS	(1)
BRAIN	2.26	0.349		DILATED CRYPT CONTAIN A FEW DEGENERATE NEUTROPHILS	
LIVER	19.26	2.972	LIVER	MICRO: INFLAMMATION, SUBACUTE	1
KIDNEYS	4.77	0.736	LYMPH NODE, MES	MICRO: HEMORRHAGE	2
SPLEEN	0.79	0.122		WITH SINUS HISTIOCYTOSIS/ERYTHROPHAGOCYTOSIS/HEMOSIDEROSIS	
HEART	2.09	0.323	PANCREAS	MICRO: INFLAMMATION, CHRONIC	(2)
EPIDIDYMIDES	1.57	0.242		LOCALIZED; MATURE CONNECTIVE TISSUE SURROUNDED FOCALLY	
TESTES	4.40	0.679		HYPERPLASTIC ISLET CELLS AND DISSECTED BETWEEN ADJACENT	
THYMUS	0.3693	0.057		ATROPHIED EXOCRINE PANCREATIC ACINI. CELLULAR INFILTRATE	
ADRENAL GLANDS	0.0660	0.010		WAS COMPOSED OF MONONUCLEAR LEUKOCYTES	
THYROIDS/PARA.	0.0240	0.004	TESTES	MICRO: DEGENERATION, SEMINIFEROUS TUBULES	1
FINAL BODY WT(G)	648.		NO SIGNIFICANT CHANGES OBSERVED	GROSS:ADRENAL GLANDS AORTA STERNUM BRAIN CECUM COLON DUODENUM EPIDIDYMIDES ESOPHAGUS EYES/OPTIC N. HEART ILEUM JEJUNUM KIDNEYS LYMPH NODE, MAND LIVER LYMPH NODE, MES LUNGS LARYNX NERVE, SCIATIC PANCREAS PHARYNX PITUITARY PROSTATE RECTUM SPINAL CORD SAL. GLAND MAND STOMACH SKELETAL MUSCLE SKIN SPLEEN SEMINAL VESICLES TESTES THYROID GLANDS THYMUS TRACHEA URINARY BLADDER NASAL CAVITY MICRO:ADRENAL CORTEX ADRENAL MEDULLA BRAIN COLON DUODENUM EPIDIDYMIDES HEART JEJUNUM KIDNEYS NERVE, SCIATIC RECTUM SPINAL CORD STOMACH, GLAN STOMACH, NON SPLEEN THYROID GLANDS	

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6359 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

PARATHYROIDS THYMUS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6361 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	EPIDIDYIMIDES	MICRO: INFILTRATE, LYMPHOCYTE			(1)
BRAIN	2.10	0.432	KIDNEYS	MICRO: BASOPHILIC TUBULES			1
LIVER	14.62	3.008	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
KIDNEYS	4.16	0.856	PANCREAS	MICRO: INFILTRATE, MONONUCLEAR			(1)
SPLEEN	0.88	0.181	NO SIGNIFICANT				
HEART	1.45	0.298	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
EPIDIDYIMIDES	1.38	0.284		CECUM	COLON	DUODENUM	EPIDIDYIMIDES
TESTES	3.65	0.751		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
THYMUS	0.2108	0.043		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
ADRENAL GLANDS	0.0535	0.011		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
THYROIDS/PARA.	0.0178	0.004		PANCREAS	PHARYNX	PITUITARY	PROSTATE
FINAL BODY WT(G)	486.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	THYMUS	TRACHEA
				URINARY BLADDER	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	HEART	ILEUM	JEJUNUM
				LYMPH NODE, MES	NERVE, SCIATIC	RECTUM	SPINAL CORD
				STOMACH, GLAN	STOMACH, NON	SPLEEN	TESTES
				THYROID GLANDS	PARATHYROIDS	THYMUS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6362 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	2.04	0.412	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	13.63	2.754	NO SIGNIFICANT					
KIDNEYS	3.55	0.717	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.69	0.139		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
HEART	1.53	0.309		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
EPIDIDYIMIDES	1.43	0.289		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
TESTES	3.26	0.659		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYMUS	0.2484	0.050		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
ADRENAL GLANDS	0.0672	0.014		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
THYROIDS/PARA.	0.0208	0.004		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
FINAL BODY WT(G)	495.			TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYIMIDES	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	
				THYMUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6363 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	2.11	0.444	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	14.19	2.987	PARATHYROID	MICRO: NOT PRESENT FOR EXAMINATION				
KIDNEYS	3.66	0.771		BOTH NOT PRESENT IN SECTION PLANE				
SPLEEN	0.85	0.179	NO SIGNIFICANT					
HEART	2.03	0.427	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
EPIDIDYMI	1.42	0.299		CECUM	COLON	DUODENUM	EPIDIDYMI	
TESTES	3.60	0.758		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYMUS	0.3182	0.067		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
ADRENAL GLANDS	0.0570	0.012		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYROID/PA	0.0274	0.006		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
FINAL BODY WT(G)	475.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMI	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	THYMUS	

NOT PRESENT FOR EXAMINATION

MICRO:PARATHYROID

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6364 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ILEUM	MICRO: DILATATION, CRYPTS				(1)
BRAIN	2.28	0.433		DILATED CRYPT(S) CONTAINED A FEW DEGENERATE LEUKOCYTES				
LIVER	14.78	2.810	KIDNEYS	GROSS: AREA(S), DEPRESSED				P
KIDNEYS	4.22	0.802		FEW, PINPOINT, IN CORTEX, BILATERAL				
SPLEEN	0.77	0.146	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
HEART	1.68	0.319		WITH MINIMAL TUBULAR PROTEINOSIS AND INTERSTITIAL LYMPHOCYTE				
EPIDIDYMIDES	1.54	0.293		INFILTRATE				
TESTES	4.51	0.857	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
THYMUS	0.4108	0.078	NO SIGNIFICANT					
ADRENAL GLANDS	0.0652	0.012	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYROIDS/PARA.	0.0221	0.004		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
FINAL BODY WT(G)	526.			ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
				LUNGS	LARYNX	NERVE, SCIATIC	PANCREAS	
				PHARYNX	PITUITARY	PROSTATE	RECTUM	
				SPINAL CORD	SAL. GLAND MAND	STOMACH	SKELETAL MUSCLE	
				SKIN	SPLEEN	SEMINAL VESICLES	TESTES	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	RECTUM	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				TESTES	THYROID GLANDS	PARATHYROIDS	THYMUS	

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6364 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

KIDNEYS: AREA(S), DEPRESSED

<====>KIDNEYS: NEPHROPATHY, CHRONIC PROGRESSIVE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6366 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	EPIDIDYIMIDES	MICRO: INFILTRATE, LYMPHOCYTE			(1)
BRAIN	2.07	0.397	HEART	MICRO: CARDIOMYOPATHY			1
LIVER	15.49	2.973	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
KIDNEYS	3.88	0.745	LYMPH NODE, MES	MICRO: HISTIOCYTOSIS, SINUS			1
SPLEEN	0.69	0.132	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL			P
HEART	1.75	0.336	PARATHYROIDES	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
EPIDIDYIMIDES	1.52	0.292		ONE PRESENT IN SECTION PLANE			
TESTES	3.88	0.745	THYMUS	GROSS: AREA(S), DARK RED			P
THYMUS	0.2937	0.056		MULTIPLE, IRREGULARLY SHAPED			
ADRENAL GLANDS	0.0613	0.012	THYMUS	MICRO: HEMORRHAGE			1
THYROIDES/PARA.	0.0211	0.004	NO SIGNIFICANT				
FINAL BODY WT(G)	521.		CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
				CECUM	COLON	DUODENUM	EPIDIDYIMIDES
				ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
				JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
				PANCREAS	PHARYNX	PITUITARY	PROSTATE
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER
				NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	ILEUM	JEJUNUM	KIDNEYS
				NERVE, SCIATIC	PANCREAS	RECTUM	SPINAL CORD
				STOMACH, GLAN	STOMACH, NON	SPLEEN	TESTES
				PARATHYROIDES			

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6366 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6367 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	2.12	0.453	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	12.56	2.684	THYMUS	GROSS: AREA(S), DARK RED				P
KIDNEYS	3.41	0.729		MULTIPLE, IRREGULARLY SHAPED				
SPLEEN	0.73	0.156	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.58	0.338	NO SIGNIFICANT					
EPIDIDYMIDES	1.44	0.308	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
TESTES	2.90	0.620		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYMUS	0.3014	0.064		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
ADRENAL GLANDS	0.0634	0.014		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYROIDS/PARA.	0.0191	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
FINAL BODY WT(G)	468.			PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS	

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6370 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	2.03	0.409	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	13.45	2.712	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
KIDNEYS	3.93	0.792	THYMUS	GROSS: AREA(S), DARK RED				P
SPLEEN	0.76	0.153		MULTIPLE, PINPOINT				
HEART	1.61	0.325	THYMUS	MICRO: HEMORRHAGE				1
EPIDIDYMIDES	1.25	0.252	NO SIGNIFICANT					
TESTES	3.68	0.742	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYMUS	0.3038	0.061		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
ADRENAL GLANDS	0.0642	0.013		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYROIDS/PARA.	0.0185	0.004		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
FINAL BODY WT(G)	496.			LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	TESTES	PARATHYROIDS		

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6373 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	2.01	0.368	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
LIVER	16.49	3.020		WITH MINIMAL TUBULAR PROTEINOSIS AND INTERSTITIAL LYMPHOCYTE				
KIDNEYS	3.95	0.723		INFILTRATE				
SPLEEN	1.02	0.187	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
HEART	1.62	0.297	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
EPIDIDYIMIDES	1.33	0.244		ONE PRESENT IN SECTION PLANE				
TESTES	3.71	0.679	NO SIGNIFICANT					
THYMUS	0.2245	0.041	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
ADRENAL GLANDS	0.0738	0.014		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
THYROIDS/PARA.	0.0226	0.004		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
FINAL BODY WT(G)	546.			JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
				LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
				PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYIMIDES	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	RECTUM	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				TESTES	THYROID GLANDS	PARATHYROIDS	THYMUS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6377 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.07	0.387	NO SIGNIFICANT					
LIVER	16.40	3.065	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
KIDNEYS	4.25	0.794		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
SPLEEN	0.88	0.164		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
HEART	1.74	0.325		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
EPIDIDYIMIDES	1.54	0.288		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
TESTES	4.05	0.757		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
THYMUS	0.3105	0.058		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
ADRENAL GLANDS	0.0528	0.010		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
THYROIDS/PARA.	0.0226	0.004		TESTES	THYROID GLANDS	THYMUS	TRACHEA	
FINAL BODY WT(G)	535.			URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYIMIDES	HEART	ILEUM	
				JEJUNUM	KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	TESTES	THYROID GLANDS	
				PARATHYROIDS	THYMUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6381 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	2.21	0.421		ADMIXED WITH RARE PIGMENT LADEN MACROPHAGES				
LIVER	16.00	3.048	THYMUS	GROSS: AREA(S), DARK RED				P
KIDNEYS	3.79	0.722		MULTIPLE, PINPOINT TO 2 MM IN DIAMETER				
SPLEEN	0.82	0.156	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.73	0.330	NO SIGNIFICANT					
EPIDIDYMIDES	1.30	0.248	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
TESTES	3.38	0.644		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
THYMUS	0.3037	0.058		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
ADRENAL GLANDS	0.0792	0.015		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYROIDS/PARA.	0.0215	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
FINAL BODY WT(G)	525.			PANCREAS	PHARYNX	PITUITARY	PROSTATE	
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	TRACHEA	URINARY BLADDER	
				NASAL CAVITY				
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LIVER	LYMPH NODE, MES	NERVE, SCIATIC	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	TESTES	THYROID GLANDS	
				PARATHYROIDS				

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6388 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE	1		
BRAIN	2.09	0.375	LIVER	MICRO: INFLAMMATION, SUBACUTE	1		
LIVER	15.97	2.867	NO SIGNIFICANT				
KIDNEYS	3.82	0.686	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
SPLEEN	0.75	0.135		CECUM	COLON	DUODENUM	EPIDIDYIMIDES
HEART	2.03	0.364		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
EPIDIDYIMIDES	1.39	0.250		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
TESTES	3.81	0.684		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
THYMUS	0.4429	0.080		PANCREAS	PHARYNX	PITUITARY	PROSTATE
ADRENAL GLANDS	0.0668	0.012		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
THYROIDS/PARA.	0.0185	0.003		SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
FINAL BODY WT(G)	557.			TESTES	THYROID GLANDS	THYMUS	TRACHEA
				URINARY BLADDER	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	EPIDIDYIMIDES	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS
				THYMUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6389 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	COLON	MICRO: INFILTRATE, MONONUCLEAR			(1)
BRAIN	2.10	0.370		WITHIN THE SEROSAL SURFACE			
LIVER	16.85	2.967	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE			2
KIDNEYS	4.36	0.768		WITH MINIMAL TUBULAR PROTEINOSIS AND INTERSTITIAL LYMPHOCYTE			
SPLEEN	0.85	0.150		INFILTRATE			
HEART	1.86	0.327	NO SIGNIFICANT				
EPIDIDYIMIDES	1.59	0.280	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
TESTES	4.01	0.706		CECUM	COLON	DUODENUM	EPIDIDYIMIDES
THYMUS	0.4002	0.070		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
ADRENAL GLANDS	0.0645	0.011		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
THYROIDS/PARA.	0.0210	0.004		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
FINAL BODY WT(G)	568.			PANCREAS	PHARYNX	PITUITARY	PROSTATE
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	THYMUS	TRACHEA
				URINARY BLADDER	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	DUODENUM
				EPIDIDYIMIDES	HEART	ILEUM	JEJUNUM
				LIVER	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDS
				THYMUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6391 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	GROSS: AREA(S), DEPRESSED			P
BRAIN	2.16	0.415		FEW, PINPOINT TO 1 MM IN DIAMETER, IN CORTEX, BILATERAL			
LIVER	17.18	3.298	KIDNEYS	MICRO: BASOPHILIC TUBULES			1
KIDNEYS	4.28	0.821	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
SPLEEN	0.84	0.161	PARATHYROIDES	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
HEART	1.72	0.330		ONE PRESENT IN SECTION PLANE			
EPIDIDYMIDES	1.44	0.276	NO SIGNIFICANT				
TESTES	3.36	0.645	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
THYMUS	0.4725	0.091		CECUM	COLON	DUODENUM	EPIDIDYMIDES
ADRENAL GLANDS	0.0788	0.015		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
THYROIDES/PARA.	0.0201	0.004		JEJUNUM	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
FINAL BODY WT(G)	521.			LUNGS	LARYNX	NERVE, SCIATIC	PANCREAS
				PHARYNX	PITUITARY	PROSTATE	RECTUM
				SPINAL CORD	SAL. GLAND MAND	STOMACH	SKELETAL MUSCLE
				SKIN	SPLEEN	SEMINAL VESICLES	TESTES
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				SPLEEN	TESTES	THYROID GLANDS	PARATHYROIDES
				THYMUS			

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

KIDNEYS: AREA(S), DEPRESSED

<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6405 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	EPIDIDYIMIDES	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	2.15	0.494	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				(1)
LIVER	11.22	2.579	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	3.23	0.743	NO SIGNIFICANT					
SPLEEN	0.59	0.136	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.37	0.315		CECUM	COLON	DUODENUM	EPIDIDYIMIDES	
EPIDIDYIMIDES	1.34	0.308		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
TESTES	3.19	0.733		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
THYMUS	0.2621	0.060		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
ADRENAL GLANDS	0.0461	0.011		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
THYROIDS/PARA.	0.0174	0.004		RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
FINAL BODY WT(G)	435.			SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	RECTUM	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				TESTES	THYROID GLANDS	PARATHYROIDS	THYMUS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6410 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: BASOPHILIC TUBULES				1
BRAIN	2.03	0.458	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	12.19	2.752	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE				(1)
KIDNEYS	3.62	0.817	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
SPLEEN	0.90	0.203	NO SIGNIFICANT					
HEART	1.66	0.375	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
EPIDIDYMIDES	1.35	0.305		CECUM	COLON	DUODENUM	EPIDIDYMIDES	
TESTES	2.91	0.657		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM	
THYMUS	0.2702	0.061		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER	
ADRENAL GLANDS	0.0540	0.012		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC	
THYROIDS/PARA.	0.0234	0.005		PANCREAS	PHARYNX	PITUITARY	PROSTATE	
FINAL BODY WT(G)	443.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES	
				TESTES	THYROID GLANDS	THYMUS	TRACHEA	
				URINARY BLADDER	NASAL CAVITY			
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	EPIDIDYMIDES	HEART	ILEUM	
				JEJUNUM	LYMPH NODE, MES	NERVE, SCIATIC	RECTUM	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				TESTES	PARATHYROIDS	THYMUS		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6414 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	EPIDIDYIMIDES	MICRO: INFILTRATE, LYMPHOCYTE	(1)
BRAIN	2.25	0.417	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE	1
LIVER	15.79	2.929	LIVER	MICRO: INFLAMMATION, SUBACUTE	1
KIDNEYS	4.23	0.785	NO SIGNIFICANT		
SPLEEN	0.96	0.178	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	
HEART	1.94	0.360		AORTA	STERNUM
EPIDIDYIMIDES	1.46	0.271		CECUM	DUODENUM
TESTES	3.65	0.677		ESOPHAGUS	HEART
THYMUS	0.3268	0.061		JEJUNUM	LYMPH NODE, MAND
ADRENAL GLANDS	0.0729	0.014		LYMPH NODE, MES	LARYNX
THYROIDS/PARA.	0.0244	0.005		PANCREAS	PITUITARY
FINAL BODY WT(G)	539.			RECTUM	SAL. GLAND MAND
				SKELETAL MUSCLE	SPLEEN
				TESTES	THYMUS
				URINARY BLADDER	TRACHEA
				MICRO:ADRENAL CORTEX	
				DUODENUM	BRAIN
				LYMPH NODE, MES	COLON
				SPINAL CORD	JEJUNUM
				TESTES	RECTUM
					PANCREAS
					NERVE, SCIATIC
					STOMACH, GLAN
					STOMACH, NON
					THYROID GLANDS
					PARATHYROIDS
					THYMUS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6416 GROUP 3: 15% TEST DIET MALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ADRENAL MEDULLA	MICRO: NOT PRESENT FOR EXAMINATION			
BRAIN	2.05	0.413		BOTH NOT PRESENT IN SECTION PLANE; RECUT EXAMINED			
LIVER	13.52	2.726	KIDNEYS	MICRO: BASOPHILIC TUBULES			1
KIDNEYS	3.54	0.714	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
SPLEEN	0.62	0.125	NO SIGNIFICANT				
HEART	1.55	0.312	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
EPIDIDYIMIDES	1.15	0.232		CECUM	COLON	DUODENUM	EPIDIDYIMIDES
TESTES	3.07	0.619		ESOPHAGUS	EYES/OPTIC N.	HEART	ILEUM
THYMUS	0.2791	0.056		JEJUNUM	KIDNEYS	LYMPH NODE, MAND	LIVER
ADRENAL GLANDS	0.0542	0.011		LYMPH NODE, MES	LUNGS	LARYNX	NERVE, SCIATIC
THYROIDS/PARA.	0.0158	0.003		PANCREAS	PHARYNX	PITUITARY	PROSTATE
FINAL BODY WT(G)	496.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	SEMINAL VESICLES
				TESTES	THYROID GLANDS	THYMUS	TRACHEA
				URINARY BLADDER	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	BRAIN	COLON	DUODENUM
				EPIDIDYIMIDES	HEART	ILEUM	JEJUNUM
				LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS	RECTUM
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN
				TESTES	THYROID GLANDS	PARATHYROIDS	THYMUS

NOT PRESENT FOR EXAMINATION

MICRO:ADRENAL MEDULLA

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6422 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE	1
BRAIN	1.87	0.690	LIVER	MICRO: INFLAMMATION, SUBACUTE	1
LIVER	7.66	2.827	THYROID GLANDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED	
KIDNEYS	1.95	0.720		1 OF 2 PRESENT IN THE PLANE OF SECTION	
SPLEEN	0.56	0.207	PARATHYROIDS	MICRO: NOT PRESENT FOR EXAMINATION	
HEART	1.08	0.399		BOTH NOT PRESENT IN SECTION PLANE	
UTERUS	0.93	0.343	NO SIGNIFICANT		
OVARIES/OVIDUCTS	0.1242	0.046	CHANGES OBSERVED	GROSS:ADRENAL GLANDS AORTA STERNUM BRAIN	
THYMUS	0.4562	0.168		CECUM COLON DUODENUM ESOPHAGUS	
ADRENAL GLANDS	0.0676	0.025		EYES/OPTIC N. HEART ILEUM JEJUNUM	
THYROIDS/PARA.	0.0143	0.005		KIDNEYS LYMPH NODE, MAND LIVER LYMPH NODE, MES	
FINAL BODY WT(G)	271.			LUNGS LARYNX MAMMARY GLAND NERVE, SCIATIC	
				OVIDUCTS OVARIES PANCREAS PHARYNX	
				PITUITARY RECTUM SPINAL CORD SAL. GLAND MAND	
				STOMACH SKELETAL MUSCLE SKIN SPLEEN	
				THYROID GLANDS THYMUS TRACHEA URINARY BLADDER	
				UTERUS VAGINA CERVIX NASAL CAVITY	
				MICRO:ADRENAL CORTEX ADRENAL MEDULLA BRAIN COLON	
				DUODENUM HEART ILEUM JEJUNUM	
				LYMPH NODE, MES NERVE, SCIATIC OVIDUCTS OVARIES	
				PANCREAS RECTUM SPINAL CORD STOMACH, GLAN	
				STOMACH, NON SPLEEN THYROID GLANDS THYMUS	
				UTERUS	

NOT PRESENT FOR EXAMINATION

MICRO:PARATHYROIDS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6430 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	1.95	0.759	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
LIVER	7.37	2.868		ECTOPIC THYMUS				P
KIDNEYS	1.96	0.763	NO SIGNIFICANT					
SPLEEN	0.54	0.210	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	0.96	0.374		CECUM	COLON	DUODENUM	ESOPHAGUS	
UTERUS	0.47	0.183		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
OVARIES/OVIDUCTS	0.1321	0.051		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.2419	0.094		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
ADRENAL GLANDS	0.0659	0.026		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYROIDS/PARA.	0.0170	0.007		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
FINAL BODY WT(G)	257.			STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6435 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ADRENAL MEDULLA	MICRO: NOT PRESENT FOR EXAMINATION			
BRAIN	2.07	0.716		BOTH NOT PRESENT IN SECTION PLANE; RECUT EXAMINED			
LIVER	7.84	2.713	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
KIDNEYS	2.13	0.737	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL			P
SPLEEN	0.54	0.187	UTERUS	GROSS: CONTENTS, CLEAR FLUID			P
HEART	1.02	0.353		BOTH HORNS			
UTERUS	1.17	0.405	UTERUS	MICRO: DILATATION, LUMEN			2
OVARIES/OVIDUCTS	0.1496	0.052	NO SIGNIFICANT				
THYMUS	0.3111	0.108	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
ADRENAL GLANDS	0.0769	0.027		CECUM	COLON	DUODENUM	ESOPHAGUS
THYROIDS/PARA.	0.0142	0.005		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
FINAL BODY WT(G)	289.			KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	BRAIN	COLON	DUODENUM
				HEART	ILEUM	JEJUNUM	KIDNEYS
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN
				STOMACH, NON	SPLEEN	PARATHYROIDS	THYMUS

NOT PRESENT FOR EXAMINATION

MICRO:ADRENAL MEDULLA

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6436 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.15	0.785	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
LIVER	7.81	2.850		ONE PRESENT IN SECTION PLANE				
KIDNEYS	1.95	0.712	THYMUS	GROSS: AREA(S), DARK RED				P
SPLEEN	0.63	0.230		FEW, 1 TO 2 MM IN DIAMETER				
HEART	0.95	0.347	THYMUS	MICRO: HEMORRHAGE				1
UTERUS	0.45	0.164	NO SIGNIFICANT					
OVARIES/OVIDUCTS	0.1307	0.048	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYMUS	0.2644	0.096		CECUM	COLON	DUODENUM	ESOPHAGUS	
ADRENAL GLANDS	0.0722	0.026		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYROIDS/PARA.	0.0144	0.005		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
FINAL BODY WT(G)	274.			LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	TRACHEA	URINARY BLADDER	UTERUS	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	UTERUS			

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYMUS: AREA(S), DARK RED

<====>THYMUS: HEMORRHAGE

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6440 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ADRENAL MEDULLA	MICRO: NOT PRESENT FOR EXAMINATION			
BRAIN	1.99	0.652		BOTH NOT PRESENT IN SECTION PLANE; RECUT EXAMINED			
LIVER	7.84	2.570	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE			1
KIDNEYS	2.17	0.711	THYROID GLANDS	MICRO: ECTOPIC THYMUS			P
SPLEEN	0.41	0.134	NO SIGNIFICANT				
HEART	1.13	0.370	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
UTERUS	0.58	0.190		CECUM	COLON	DUODENUM	ESOPHAGUS
OVARIES/OVIDUCTS	0.1107	0.036		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
THYMUS	0.2870	0.094		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
ADRENAL GLANDS	0.0672	0.022		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
THYROIDS/PARA.	0.0158	0.005		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
FINAL BODY WT(G)	305.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				UTERUS	VAGINA	CERVIX	NASAL CAVITY
				MICRO:ADRENAL CORTEX	BRAIN	COLON	DUODENUM
				HEART	ILEUM	JEJUNUM	KIDNEYS
				LIVER	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS
				OVARIES	RECTUM	SPINAL CORD	STOMACH, GLAN
				STOMACH, NON	SPLEEN	PARATHYROIDS	THYMUS
				UTERUS			

NOT PRESENT FOR EXAMINATION

MICRO:ADRENAL MEDULLA

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6442 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.12	0.803	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE				1
LIVER	7.66	2.902	NO SIGNIFICANT					
KIDNEYS	2.02	0.765	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.48	0.182		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.13	0.428		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.70	0.265		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1033	0.039		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.2116	0.080		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0726	0.028		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0137	0.005		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	264.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6443 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.14	0.823	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
LIVER	7.35	2.827	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
KIDNEYS	1.93	0.742		ONE PRESENT IN SECTION PLANE				
SPLEEN	0.50	0.192	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.03	0.396	NO SIGNIFICANT					
UTERUS	0.64	0.246	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
OVARIES/OVIDUCTS	0.1418	0.055		CECUM	COLON	DUODENUM	ESOPHAGUS	
THYMUS	0.2597	0.100		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
ADRENAL GLANDS	0.0721	0.028		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYROIDS/PARA.	0.0125	0.005		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
FINAL BODY WT(G)	260.			OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	PARATHYROIDS	
				UTERUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6445 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE		1
BRAIN	2.09	0.589	LIVER	MICRO: INFLAMMATION, SUBACUTE		1
LIVER	10.63	2.994	OVIDUCTS	GROSS: SMALL		P
KIDNEYS	2.66	0.749		RIGHT		
SPLEEN	0.52	0.146	OVIDUCTS	MICRO: HYPOPLASIA		P
HEART	1.15	0.324	OVARIES	GROSS: SMALL		P
UTERUS	0.64	0.180		RIGHT		
OVARIES/OVIDUCTS	0.0702	0.020	OVARIES	MICRO: HYPOPLASIA		P
THYMUS	0.4818	0.136		ONE OF THE OVARIES CONTAINED FOCAL MULTINODULAR PROLIFERATION		
ADRENAL GLANDS	0.0895	0.025		OF GRANULOSA-THECA CELLS		
THYROID/ PARA.	0.0233	0.007	PARATHYROID	MICRO: NO SIGNIFICANT CHANGES OBSERVED		
FINAL BODY WT(G)	355.			ONE PRESENT IN SECTION PLANE		
			NO SIGNIFICANT			
			CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM
				CECUM	COLON	DUODENUM
				EYES/OPTIC N.	HEART	ILEUM
				KIDNEYS	LYMPH NODE, MAND	LIVER
				LUNGS	LARYNX	MAMMARY GLAND
				PANCREAS	PHARYNX	PITUITARY
				SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKIN	SPLEEN	THYROID GLANDS
				TRACHEA	URINARY BLADDER	UTERUS
				CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN
				DUODENUM	HEART	ILEUM
				LYMPH NODE, MES	NERVE, SCIATIC	PANCREAS
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				THYROID GLANDS	PARATHYROID	THYMUS
						UTERUS
						COLON
						JEJUNUM
						RECTUM
						SPLEEN
						THYMUS
						UTERUS

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6445 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

OVARIES: SMALL
OVIDUCTS: SMALL

<====>OVARIES: HYPOPLASIA
<====>OVIDUCTS: HYPOPLASIA

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6452 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.02	0.727	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
LIVER	7.20	2.590	PARATHYROID	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
KIDNEYS	2.02	0.727		ONE PRESENT IN SECTION PLANE				
SPLEEN	0.58	0.209	NO SIGNIFICANT					
HEART	1.02	0.367	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	0.56	0.201		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1549	0.056		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.2946	0.106		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
ADRENAL GLANDS	0.0576	0.021		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYROID/ PARA.	0.0177	0.006		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
FINAL BODY WT(G)	278.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	PARATHYROID	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6453 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	2.00	0.727		MINERALIZATION, MEDULLARY				1
LIVER	8.76	3.185	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	2.38	0.865	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
SPLEEN	0.53	0.193		ONE PRESENT IN SECTION PLANE				
HEART	1.06	0.385	NO SIGNIFICANT					
UTERUS	0.57	0.207	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
OVARIES/OVIDUCTS	0.1266	0.046		CECUM	COLON	DUODENUM	ESOPHAGUS	
THYMUS	0.2159	0.079		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
ADRENAL GLANDS	0.0625	0.023		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYROIDS/PARA.	0.0190	0.007		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
FINAL BODY WT(G)	275.			OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6454 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE	1
BRAIN	2.04	0.630	LIVER	MICRO: INFLAMMATION, SUBACUTE	1
LIVER	8.67	2.676	NO SIGNIFICANT		
KIDNEYS	2.49	0.769	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	
SPLEEN	0.70	0.216		CECUM	
HEART	1.19	0.367		EYES/OPTIC N.	
UTERUS	0.42	0.130		KIDNEYS	
OVARIES/OVIDUCTS	0.1670	0.052		LUNGS	
THYMUS	0.3184	0.098		OVIDUCTS	
ADRENAL GLANDS	0.0616	0.019		PITUITARY	
THYROIDS/PARA.	0.0127	0.004		STOMACH	
FINAL BODY WT(G)	324.			THYROID GLANDS	
				UTERUS	
				MICRO:ADRENAL CORTEX	
				DUODENUM	
				LYMPH NODE, MES	
				PANCREAS	
				STOMACH, NON	
				THYMUS	
				AORTA	
				COLON	
				HEART	
				LYMPH NODE, MAND	
				LARYNX	
				OVARIES	
				RECTUM	
				SKELETAL MUSCLE	
				THYMUS	
				VAGINA	
				ADRENAL MEDULLA	
				HEART	
				NERVE, SCIATIC	
				RECTUM	
				SPLEEN	
				UTERUS	
				STERNUM	
				DUODENUM	
				ILEUM	
				LIVER	
				MAMMARY GLAND	
				PANCREAS	
				SPINAL CORD	
				SKIN	
				TRACHEA	
				CERVIX	
				BRAIN	
				ILEUM	
				OVIDUCTS	
				SPINAL CORD	
				THYROID GLANDS	
				BRAIN	
				ESOPHAGUS	
				JEJUNUM	
				LYMPH NODE, MES	
				NERVE, SCIATIC	
				PHARYNX	
				SAL. GLAND MAND	
				SPLEEN	
				URINARY BLADDER	
				NASAL CAVITY	
				COLON	
				JEJUNUM	
				OVARIES	
				STOMACH, GLAN	
				PARATHYROIDS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6457 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	1.84	0.674	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
LIVER	7.85	2.875		BOTH HORNS				
KIDNEYS	2.03	0.744	UTERUS	MICRO: DILATATION, LUMEN				3
SPLEEN	0.58	0.212	NO SIGNIFICANT					
HEART	1.09	0.399	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	1.11	0.407		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1051	0.038		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.3956	0.145		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
ADRENAL GLANDS	0.0660	0.024		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYROIDS/PARA.	0.0133	0.005		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
FINAL BODY WT(G)	273.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	THYMUS			

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6458 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	1.84	0.702	NO SIGNIFICANT					
LIVER	7.55	2.882	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
KIDNEYS	1.99	0.760		CECUM	COLON	DUODENUM	ESOPHAGUS	
SPLEEN	0.51	0.195		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
HEART	0.95	0.363		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
UTERUS	0.55	0.210		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
OVARIES/OVIDUCTS	0.1225	0.047		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYMUS	0.2941	0.112		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
ADRENAL GLANDS	0.0694	0.026		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
THYROIDS/PARA.	0.0157	0.006		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
FINAL BODY WT(G)	262.			UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LIVER	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	THYMUS	UTERUS		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6459 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: INFILTRATE, MONONUCLEAR	(1)
BRAIN	1.92	0.803	KIDNEYS	MICRO: ATROPHY	1
LIVER	7.84	3.280		GLOMERULAR, FOCAL	
KIDNEYS	1.97	0.824	LIVER	MICRO: INFLAMMATION, SUBACUTE	1
SPLEEN	0.45	0.188	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL	P
HEART	1.05	0.439	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED	
UTERUS	0.73	0.305		ONE PRESENT IN SECTION PLANE	
OVARIES/OVIDUCTS	0.1304	0.055	THYMUS	MICRO: HEMORRHAGE	1
THYMUS	0.2620	0.110	NO SIGNIFICANT		
ADRENAL GLANDS	0.0713	0.030	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	
THYROIDS/PARA.	0.0148	0.006		CECUM	
FINAL BODY WT(G)	239.			EYES/OPTIC N.	
				KIDNEYS	
				LUNGS	
				OVIDUCTS	
				PITUITARY	
				STOMACH	
				THYROID GLANDS	
				UTERUS	
				MICRO:ADRENAL CORTEX	
				DUODENUM	
				NERVE, SCIATIC	
				RECTUM	
				SPLEEN	
				AORTA	
				COLON	
				HEART	
				LYMPH NODE, MAND	
				LARYNX	
				OVARIES	
				RECTUM	
				SKELETAL MUSCLE	
				THYMUS	
				VAGINA	
				ADRENAL MEDULLA	
				ILEUM	
				OVIDUCTS	
				SPINAL CORD	
				PARATHYROIDS	
				STERNUM	
				DUODENUM	
				ILEUM	
				LIVER	
				MAMMARY GLAND	
				PANCREAS	
				SPINAL CORD	
				SKIN	
				TRACHEA	
				CERVIX	
				BRAIN	
				JEJUNUM	
				OVARIES	
				STOMACH, GLAN	
				UTERUS	
				BRAIN	
				ESOPHAGUS	
				JEJUNUM	
				LYMPH NODE, MES	
				NERVE, SCIATIC	
				PHARYNX	
				SAL. GLAND MAND	
				SPLEEN	
				URINARY BLADDER	
				NASAL CAVITY	
				COLON	
				LYMPH NODE, MES	
				PANCREAS	
				STOMACH, NON	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6460 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE	1
BRAIN	1.98	0.747	LIVER	MICRO: INFLAMMATION, SUBACUTE	1
LIVER	7.43	2.804	NO SIGNIFICANT		
KIDNEYS	2.02	0.762	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	
SPLEEN	0.62	0.234		CECUM	
HEART	0.98	0.370		EYES/OPTIC N.	
UTERUS	0.55	0.208		KIDNEYS	
OVARIES/OVIDUCTS	0.1443	0.054		LUNGS	
THYMUS	0.3100	0.117		OVIDUCTS	
ADRENAL GLANDS	0.0699	0.026		PITUITARY	
THYROIDS/PARA.	0.0176	0.007		STOMACH	
FINAL BODY WT(G)	265.			THYROID GLANDS	
				UTERUS	
				MICRO:ADRENAL CORTEX	
				DUODENUM	
				LYMPH NODE, MES	
				PANCREAS	
				STOMACH, NON	
				THYMUS	
				AORTA	
				COLON	
				HEART	
				LYMPH NODE, MAND	
				LARYNX	
				OVARIES	
				RECTUM	
				SKELETAL MUSCLE	
				THYMUS	
				VAGINA	
				ADRENAL MEDULLA	
				HEART	
				NERVE, SCIATIC	
				RECTUM	
				SPLEEN	
				UTERUS	
				STERNUM	
				DUODENUM	
				ILEUM	
				LIVER	
				MAMMARY GLAND	
				PANCREAS	
				SPINAL CORD	
				SKIN	
				TRACHEA	
				CERVIX	
				BRAIN	
				ILEUM	
				OVIDUCTS	
				SPINAL CORD	
				THYROID GLANDS	
				BRAIN	
				ESOPHAGUS	
				JEJUNUM	
				LYMPH NODE, MES	
				NERVE, SCIATIC	
				PHARYNX	
				SAL. GLAND MAND	
				SPLEEN	
				URINARY BLADDER	
				NASAL CAVITY	
				COLON	
				JEJUNUM	
				OVARIES	
				STOMACH, GLAN	
				PARATHYROIDS	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6466 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	1.90	0.688	THYROID GLANDS	MICRO: ECTOPIC THYMUS				P
LIVER	9.18	3.326	NO SIGNIFICANT					
KIDNEYS	2.21	0.801	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.48	0.174		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.10	0.399		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.46	0.167		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1349	0.049		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.2401	0.087		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0633	0.023		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0192	0.007		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	276.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6476 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	1.80	0.634	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	9.10	3.204	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
KIDNEYS	1.98	0.697	THYMUS	MICRO: HEMORRHAGE				1
SPLEEN	0.82	0.289	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
HEART	1.10	0.387		BOTH HORNS				
UTERUS	1.60	0.563	UTERUS	MICRO: DILATATION, LUMEN				2
OVARIES/OVIDUCTS	0.1686	0.059	NO SIGNIFICANT					
THYMUS	0.1867	0.066	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
ADRENAL GLANDS	0.0665	0.023		CECUM	COLON	DUODENUM	ESOPHAGUS	
THYROIDS/PARA.	0.0182	0.006		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
FINAL BODY WT(G)	284.			KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	PARATHYROIDS		

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6479 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	1.85	0.771	THYROID GLANDS	GROSS: SMALL				P
LIVER	6.61	2.754		BILATERAL				
KIDNEYS	1.80	0.750	NO SIGNIFICANT					
SPLEEN	0.38	0.158	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	0.87	0.363		CECUM	COLON	DUODENUM	ESOPHAGUS	
UTERUS	0.65	0.271		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
OVARIES/OVIDUCTS	0.1075	0.045		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.2040	0.085		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
ADRENAL GLANDS	0.0564	0.024		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYROIDS/PARA.	0.0109	0.005		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
FINAL BODY WT(G)	240.			STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYMUS	TRACHEA	URINARY BLADDER	UTERUS	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	THYMUS	UTERUS		

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

THYROID GLANDS: SMALL

<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6480 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.05	0.709	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
LIVER	8.73	3.021	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
KIDNEYS	2.41	0.834		ONE PRESENT IN SECTION PLANE				
SPLEEN	0.45	0.156	THYMUS	MICRO: HEMORRHAGE				1
HEART	1.21	0.419	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
UTERUS	0.85	0.294		BOTH HORNS				
OVARIES/OVIDUCTS	0.1584	0.055	UTERUS	MICRO: DILATATION, LUMEN				3
THYMUS	0.3171	0.110	NO SIGNIFICANT					
ADRENAL GLANDS	0.0663	0.023	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYROIDS/PARA.	0.0156	0.005		CECUM	COLON	DUODENUM	ESOPHAGUS	
FINAL BODY WT(G)	289.			EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	PARATHYROIDS	

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6484 GROUP 1: CONTROL DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
BRAIN	1.79	0.785		BOTH HORNS				
LIVER	7.61	3.338	UTERUS	MICRO: DILATATION, LUMEN				2
KIDNEYS	1.94	0.851	NO SIGNIFICANT					
SPLEEN	0.46	0.202	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.06	0.465		CECUM	COLON	DUODENUM	ESOPHAGUS	
UTERUS	0.73	0.320		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
OVARIES/OVIDUCTS	0.1181	0.052		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.2299	0.101		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
ADRENAL GLANDS	0.0653	0.029		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYROIDS/PARA.	0.0135	0.006		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
FINAL BODY WT(G)	228.			STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LIVER	LYMPH NODE, MES	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	RECTUM	
				SPINAL CORD	STOMACH, GLAN	STOMACH, NON	SPLEEN	
				THYROID GLANDS	PARATHYROIDS	THYMUS		

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6421 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
BRAIN	1.91	0.626		BOTH HORNS				
LIVER	8.74	2.866	NO SIGNIFICANT					
KIDNEYS	2.08	0.682	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.48	0.157		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.09	0.357		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.67	0.220		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1325	0.043		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.2410	0.079		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0766	0.025		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0160	0.005		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	305.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6426 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LYMPH NODE, MAND	GROSS: DISCOLORATION, DARK RED				P
BRAIN	1.80	0.769		BILATERAL				
LIVER	7.02	3.000	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
KIDNEYS	2.12	0.906		BOTH HORNS				
SPLEEN	0.39	0.167	NO SIGNIFICANT					
HEART	1.14	0.487	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	0.64	0.274		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1342	0.057		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.2144	0.092		KIDNEYS	LIVER	LYMPH NODE, MES	LUNGS	
ADRENAL GLANDS	0.0644	0.028		LARYNX	MAMMARY GLAND	NERVE, SCIATIC	OVIDUCTS	
THYROIDS/PARA.	0.0137	0.006		OVARIES	PANCREAS	PHARYNX	PITUITARY	
FINAL BODY WT(G)	234.			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
				SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS	
				THYMUS	TRACHEA	URINARY BLADDER	VAGINA	
				CERVIX	NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6431 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	THYROID GLANDS	GROSS: SMALL				P
BRAIN	2.02	0.745		BILATERAL				
LIVER	7.91	2.919	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
KIDNEYS	2.13	0.786		BOTH HORNS				
SPLEEN	0.51	0.188	NO SIGNIFICANT					
HEART	1.21	0.446	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	1.21	0.446		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1345	0.050		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.2789	0.103		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
ADRENAL GLANDS	0.0693	0.026		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYROIDS/PARA.	0.0112	0.004		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
FINAL BODY WT(G)	271.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYMUS	TRACHEA	URINARY BLADDER	VAGINA	
				CERVIX	NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6433 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	GROSS: AREA(S), DEPRESSED			P
BRAIN	2.15	0.719		ONE, 1 MM IN DIAMETER, IN CORTEX, RIGHT			
LIVER	8.04	2.689	THYMUS	GROSS: AREA(S), DARK RED			P
KIDNEYS	2.47	0.826		MULTIPLE, PINPOINT			
SPLEEN	0.54	0.181	UTERUS	GROSS: CONTENTS, CLEAR FLUID			P
HEART	1.18	0.395		BOTH HORNS			
UTERUS	1.41	0.472	NO SIGNIFICANT				
OVARIES/OVIDUCTS	0.1290	0.043	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
THYMUS	0.3747	0.125		CECUM	COLON	DUODENUM	ESOPHAGUS
ADRENAL GLANDS	0.0868	0.029		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
THYROIDS/PARA.	0.0144	0.005		LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	LUNGS
FINAL BODY WT(G)	299.			LARYNX	MAMMARY GLAND	NERVE, SCIATIC	OVIDUCTS
				OVARIES	PANCREAS	PHARYNX	PITUITARY
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS
				TRACHEA	URINARY BLADDER	VAGINA	CERVIX
				NASAL CAVITY			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6437 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LYMPH NODE, MED	GROSS: ENLARGED				P
BRAIN	1.88	0.729	NO SIGNIFICANT					
LIVER	7.29	2.826	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
KIDNEYS	2.06	0.798		CECUM	COLON	DUODENUM	ESOPHAGUS	
SPLEEN	0.52	0.202		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
HEART	0.99	0.384		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
UTERUS	0.60	0.233		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
OVARIES/OVIDUCTS	0.1351	0.052		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYMUS	0.2141	0.083		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
ADRENAL GLANDS	0.0601	0.023		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
THYROIDS/PARA.	0.0149	0.006		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
FINAL BODY WT(G)	258.			UTERUS	VAGINA	CERVIX	NASAL CAVITY	

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6449 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	1.95	0.750	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	7.66	2.946		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.01	0.773		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.47	0.181		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.42	0.546		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.66	0.254		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1076	0.041		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.2920	0.112		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0842	0.032		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0122	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	260.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6450 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY			P
BRAIN	1.60	0.618		OPTIC NERVE, LEFT			
LIVER	7.27	2.807	NO SIGNIFICANT				
KIDNEYS	1.99	0.768	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
SPLEEN	0.52	0.201		CECUM	COLON	DUODENUM	ESOPHAGUS
HEART	1.20	0.463		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
UTERUS	0.39	0.151		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
OVARIES/OVIDUCTS	0.1119	0.043		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
THYMUS	0.2772	0.107		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
ADRENAL GLANDS	0.0615	0.024		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYROIDS/PARA.	0.0124	0.005		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
FINAL BODY WT(G)	259.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				UTERUS	VAGINA	CERVIX	NASAL CAVITY

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6451 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	2.00	0.697	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	7.81	2.721		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.14	0.746		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.60	0.209		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.26	0.439		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.82	0.286		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1478	0.051		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.2983	0.104		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0701	0.024		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0136	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	287.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6455 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	1.93	0.648	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	9.10	3.054		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.19	0.735		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.55	0.185		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.03	0.346		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.69	0.232		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1811	0.061		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.4044	0.136		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0832	0.028		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0171	0.006		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	298.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6456 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	THYMUS	GROSS: AREA(S), DARK RED				P
BRAIN	1.90	0.662		MULTIPLE, PINPOINT				
LIVER	7.43	2.589	NO SIGNIFICANT					
KIDNEYS	2.08	0.725	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.48	0.167		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.06	0.369		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.43	0.150		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1549	0.054		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.2835	0.099		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0551	0.019		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0162	0.006		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	287.			THYROID GLANDS	TRACHEA	URINARY BLADDER	UTERUS	
				VAGINA	CERVIX	NASAL CAVITY		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6461 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	2.11	0.802	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	8.82	3.354		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.12	0.806		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.48	0.183		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.09	0.414		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.67	0.255		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1290	0.049		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.2700	0.103		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0814	0.031		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0138	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	263.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6462 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	1.93	0.684	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	9.18	3.255		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.27	0.805		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.55	0.195		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.03	0.365		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.67	0.238		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1667	0.059		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.2928	0.104		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0640	0.023		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0167	0.006		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	282.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6465 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	1.92	0.681	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	8.94	3.170		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.29	0.812		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.48	0.170		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.19	0.422		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.67	0.238		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1638	0.058		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.2907	0.103		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0891	0.032		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0134	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	282.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
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ANIMAL NO. 6471 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	2.02	0.724	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	7.86	2.817		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.24	0.803		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.59	0.211		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.09	0.391		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.76	0.272		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1697	0.061		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.3844	0.138		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0668	0.024		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0129	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	279.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6475 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	1.83	0.658	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	7.75	2.788		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	1.99	0.716		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.52	0.187		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.13	0.406		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.65	0.234		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1355	0.049		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.3016	0.108		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0646	0.023		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0162	0.006		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	278.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6478 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	NO SIGNIFICANT				
BRAIN	1.93	0.712	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	7.30	2.694		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	1.99	0.734		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.45	0.166		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	0.99	0.365		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.40	0.148		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1359	0.050		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.1700	0.063		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0733	0.027		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0172	0.006		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	271.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6482 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	1.93	0.650	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	8.89	2.993		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	2.27	0.764		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.65	0.219		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.00	0.337		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.64	0.215		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1419	0.048		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.3232	0.109		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0832	0.028		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0145	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	297.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6483 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT				
BRAIN	1.78	0.645	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
LIVER	8.03	2.909		CECUM	COLON	DUODENUM	ESOPHAGUS
KIDNEYS	1.95	0.707		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
SPLEEN	0.42	0.152		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
HEART	1.00	0.362		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
UTERUS	0.58	0.210		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
OVARIES/OVIDUCTS	0.1281	0.046		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
THYMUS	0.3444	0.125		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
ADRENAL GLANDS	0.0618	0.022		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
THYROIDS/PARA.	0.0140	0.005		UTERUS	VAGINA	CERVIX	NASAL CAVITY
FINAL BODY WT(G)	276.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6488 GROUP 2: 5% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS. (G)	REL.	NO SIGNIFICANT CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
BRAIN	2.03	0.796		CECUM	COLON	DUODENUM	ESOPHAGUS
LIVER	8.25	3.235		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
KIDNEYS	2.14	0.839		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
SPLEEN	0.54	0.212		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
HEART	1.10	0.431		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
UTERUS	0.50	0.196		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
OVARIES/OVIDUCTS	0.1257	0.049		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
THYMUS	0.2043	0.080		THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
ADRENAL GLANDS	0.0686	0.027		UTERUS	VAGINA	CERVIX	NASAL CAVITY
THYROIDS/PARA.	0.0132	0.005					
FINAL BODY WT(G)	255.						

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6420 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	1.83	0.775	STOMACH	GROSS: CONTENTS, DARK RED				P
LIVER	6.72	2.847	STOMACH, NON	MICRO: INFLAMMATION, SUBACUTE				(2)
KIDNEYS	1.81	0.767		LOCALIZED; WITH MILD SUBMUCOSAL EDEMA AND GRANULOCYTE				
SPLEEN	0.37	0.157		INFILTRATE				
HEART	0.99	0.419	SPLEEN	MICRO: PIGMENT, HEMOSIDERIN				2
UTERUS	0.49	0.208	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
OVARIES/OVIDUCTS	0.1272	0.054	NO SIGNIFICANT					
THYMUS	0.2463	0.104	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
ADRENAL GLANDS	0.0468	0.020		CECUM	COLON	DUODENUM	ESOPHAGUS	
THYROIDS/PARA.	0.0194	0.008		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
FINAL BODY WT(G)	236.			KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS	
				THYMUS	TRACHEA	URINARY BLADDER	UTERUS	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	PARATHYROIDS	THYMUS	UTERUS	

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

STOMACH: CONTENTS, DARK RED

<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6423 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	1.97	0.642	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	9.54	3.107	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
KIDNEYS	2.31	0.752	PARATHYROIDS	MICRO: NOT PRESENT FOR EXAMINATION				
SPLEEN	0.56	0.182		BOTH NOT PRESENT IN SECTION PLANE				
HEART	1.18	0.384	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
UTERUS	1.03	0.336		BOTH HORNS				
OVARIES/OVIDUCTS	0.1409	0.046	UTERUS	MICRO: DILATATION, LUMEN				2
THYMUS	0.3457	0.113	NO SIGNIFICANT					
ADRENAL GLANDS	0.0779	0.025	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYROIDS/PARA.	0.0175	0.006		CECUM	COLON	DUODENUM	ESOPHAGUS	
FINAL BODY WT(G)	307.			EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYMUS		
			NOT PRESENT FOR EXAMINATION	MICRO:PARATHYROIDS				

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 108

ANIMAL NO. 6423 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6424 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.12	0.763	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
LIVER	6.74	2.424	PARATHYROIDES	MICRO: NOT PRESENT FOR EXAMINATION				
KIDNEYS	1.97	0.709		BOTH NOT PRESENT IN SECTION PLANE				
SPLEEN	0.55	0.198	THYMUS	MICRO: HEMORRHAGE				1
HEART	0.92	0.331	NO SIGNIFICANT					
UTERUS	0.91	0.327	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
OVARIES/OVIDUCTS	0.1153	0.041		CECUM	COLON	DUODENUM	ESOPHAGUS	
THYMUS	0.2694	0.097		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
ADRENAL GLANDS	0.0617	0.022		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYROIDES/PARA.	0.0143	0.005		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
FINAL BODY WT(G)	278.			OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	UTERUS	

NOT PRESENT FOR EXAMINATION

MICRO:PARATHYROIDES

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6425 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	1.82	0.705	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	7.81	3.027	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL				P
KIDNEYS	2.17	0.841	UTERUS	GROSS: CONTENTS, CLEAR FLUID				P
SPLEEN	0.46	0.178		BOTH HORNS				
HEART	1.05	0.407	UTERUS	MICRO: DILATATION, LUMEN				3
UTERUS	0.98	0.380	NO SIGNIFICANT					
OVARIES/OVIDUCTS	0.1263	0.049	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYMUS	0.2409	0.093		CECUM	COLON	DUODENUM	ESOPHAGUS	
ADRENAL GLANDS	0.0736	0.029		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYROIDS/PARA.	0.0159	0.006		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
FINAL BODY WT(G)	258.			LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				VAGINA	CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	ILEUM	JEJUNUM	KIDNEYS	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	PARATHYROIDS	THYMUS	

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6427 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	1.87	0.649	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	8.87	3.080	PARATHYROIDES	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
KIDNEYS	2.25	0.781		ONE PRESENT IN SECTION PLANE				
SPLEEN	0.65	0.226	NO SIGNIFICANT					
HEART	1.06	0.368	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	0.50	0.174		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1597	0.055		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.2701	0.094		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
ADRENAL GLANDS	0.0677	0.024		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYROIDES/PARA.	0.0141	0.005		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
FINAL BODY WT(G)	288.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDES	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6428 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY			P
BRAIN	2.00	0.727		OPTIC NERVE, BILATERAL			
LIVER	7.86	2.858	ILEUM	MICRO: FIBROSIS			(1)
KIDNEYS	2.06	0.749		FOCAL, SEROSAL WITH MINIMAL MONONUCLEAR LEUKOCYTE INFILTRATE			
SPLEEN	0.50	0.182		AND NEOVASCULARIZATION			
HEART	1.04	0.378	KIDNEYS	MICRO: DILATATION, TUBULAR			1
UTERUS	0.58	0.211		WITH FOCAL MINIMAL INTERSTITIAL/PERITUBULAR FIBROSIS			
OVARIES/OVIDUCTS	0.1725	0.063	STOMACH	GROSS: CONTENTS, DARK RED			P
THYMUS	0.3293	0.120	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
ADRENAL GLANDS	0.0766	0.028		ONE PRESENT IN SECTION PLANE			
THYROIDS/PARA.	0.0163	0.006	NO SIGNIFICANT				
FINAL BODY WT(G)	275.		CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
				CECUM	COLON	DUODENUM	ESOPHAGUS
				EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
				KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
				SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS
				THYMUS	TRACHEA	URINARY BLADDER	UTERUS
				VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	HEART	JEJUNUM	LIVER
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDS
				THYMUS	UTERUS		

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6428 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

STOMACH: CONTENTS, DARK RED

<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6429 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY			P
BRAIN	1.93	0.737		BRAIN			
LIVER	7.11	2.714	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
KIDNEYS	2.01	0.767	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
SPLEEN	0.53	0.202		ONE PRESENT IN SECTION PLANE			
HEART	0.93	0.355	UTERUS	GROSS: CONTENTS, CLEAR FLUID			P
UTERUS	1.09	0.416		BOTH HORNS			
OVARIES/OVIDUCTS	0.1236	0.047	UTERUS	MICRO: DILATATION, LUMEN			2
THYMUS	0.2850	0.109	NO SIGNIFICANT				
ADRENAL GLANDS	0.0800	0.031	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
THYROIDS/PARA.	0.0133	0.005		CECUM	COLON	DUODENUM	ESOPHAGUS
FINAL BODY WT(G)	262.			EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
				KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	HEART	ILEUM	JEJUNUM
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS
				OVARIES	PANCREAS	RECTUM	SPINAL CORD
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS
				PARATHYROIDS	THYMUS		

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

UTERUS: CONTENTS, CLEAR FLUID

<====>UTERUS: DILATATION, LUMEN

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6432 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	1.73	0.655	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	7.29	2.761	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE				1
KIDNEYS	2.05	0.777	NO SIGNIFICANT					
SPLEEN	0.50	0.189	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.26	0.477		CECUM	COLON	DUODENUM	ESOPHAGUS	
UTERUS	0.47	0.178		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
OVARIES/OVIDUCTS	0.1343	0.051		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.2206	0.084		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
ADRENAL GLANDS	0.0659	0.025		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYROIDS/PARA.	0.0156	0.006		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
FINAL BODY WT(G)	264.			STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON	
				SPLEEN	THYROID GLANDS	PARATHYROIDS	THYMUS	
				UTERUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6434 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ADRENAL MEDULLA	MICRO: NOT PRESENT FOR EXAMINATION			
BRAIN	1.79	0.605		BOTH NOT PRESENT IN SECTION PLANE; RECUT EXAMINED			
LIVER	9.76	3.297	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE			1
KIDNEYS	2.44	0.824		WITH MINIMAL TUBULAR PROTEINOSIS AND INTERSTITIAL LYMPHOCYTE INFILTRATE			
SPLEEN	0.45	0.152					
HEART	1.39	0.470	PITUITARY	GROSS: ENLARGED			P
UTERUS	0.68	0.230		5 X 5 X 3 MM			
OVARIES/OVIDUCTS	0.0988	0.033	PITUITARY	MICRO: HYPERPLASIA, PARS DISTALIS			1
THYMUS	0.3053	0.103	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL			P
ADRENAL GLANDS	0.0785	0.027	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
THYROIDS/PARA.	0.0131	0.004		ONE PRESENT IN SECTION PLANE			
FINAL BODY WT(G)	296.		NO SIGNIFICANT CHANGES OBSERVED				
			GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
			CECUM	COLON	DUODENUM	ESOPHAGUS	
			EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
			KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
			LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
			OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
			RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH	
			SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS	
			THYMUS	TRACHEA	URINARY BLADDER	UTERUS	
			VAGINA	CERVIX	NASAL CAVITY		
			MICRO:ADRENAL CORTEX	BRAIN	COLON	DUODENUM	
			HEART	ILEUM	JEJUNUM	LIVER	
			LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
			PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
			STOMACH, NON	SPLEEN	PARATHYROIDS	THYMUS	
			UTERUS				

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6434 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

NOT PRESENT FOR EXAMINATION

MICRO:ADRENAL MEDULLA

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

PITUITARY: ENLARGED

<====>PITUITARY: HYPERPLASIA, PARS DISTALIS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6441 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	2.00	0.766	SPLEEN	MICRO: PIGMENT, HEMOSIDERIN				2
LIVER	6.82	2.613	PARATHYROIDS	MICRO: NOT PRESENT FOR EXAMINATION				
KIDNEYS	1.68	0.644		BOTH NOT PRESENT IN SECTION PLANE				
SPLEEN	0.44	0.169	NO SIGNIFICANT					
HEART	1.05	0.402	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	0.48	0.184		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1360	0.052		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.3120	0.120		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
ADRENAL GLANDS	0.0588	0.023		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYROIDS/PARA.	0.0191	0.007		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
FINAL BODY WT(G)	261.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	THYROID GLANDS	THYMUS	
				UTERUS				

NOT PRESENT FOR EXAMINATION

MICRO:PARATHYROIDS

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6444 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	GENERAL COMMENT	GROSS: ORGAN DAMAGED AT NECROPSY				P
BRAIN	1.93	0.717		OPTIC NERVE, RIGHT				
LIVER	7.69	2.859	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	2.04	0.758	THYROID GLANDS	MICRO: ECTOPIC THYMUS				P
SPLEEN	0.50	0.186	NO SIGNIFICANT					
HEART	1.01	0.375	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
UTERUS	0.61	0.227		CECUM	COLON	DUODENUM	ESOPHAGUS	
OVARIES/OVIDUCTS	0.1573	0.058		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
THYMUS	0.2676	0.099		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
ADRENAL GLANDS	0.0757	0.028		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYROIDS/PARA.	0.0149	0.006		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
FINAL BODY WT(G)	269.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6447 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: MINERALIZATION, PAPILLARY				1
BRAIN	2.10	0.742		NEPHROPATHY, CHRONIC PROGRESSIVE				1
LIVER	7.57	2.675	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	2.19	0.774	NO SIGNIFICANT					
SPLEEN	0.52	0.184	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.11	0.392		CECUM	COLON	DUODENUM	ESOPHAGUS	
UTERUS	0.47	0.166		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
OVARIES/OVIDUCTS	0.1356	0.048		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.1820	0.064		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
ADRENAL GLANDS	0.0716	0.025		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYROIDS/PARA.	0.0140	0.005		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
FINAL BODY WT(G)	283.			STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6463 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ILEUM	GROSS: DIVERTICULUM			P
BRAIN	1.81	0.678		ONE, 6 X 2 X 2 MM			
LIVER	9.28	3.476	ILEUM	MICRO: DIVERTICULUM			P
KIDNEYS	2.13	0.798	KIDNEYS	MICRO: BASOPHILIC TUBULES			1
SPLEEN	0.51	0.191		DILATATION, TUBULAR			(2)
HEART	1.04	0.390	LIVER	MICRO: NECROSIS, HEPATOCELLULAR			(1)
UTERUS	0.73	0.273	THYROID GLANDS	MICRO: CYST, ULTIMOBRANCHIAL			P
OVARIES/OVIDUCTS	0.1087	0.041	PARATHYROIDES	MICRO: NO SIGNIFICANT CHANGES OBSERVED			
THYMUS	0.1545	0.058		ONE PRESENT IN SECTION PLANE			
ADRENAL GLANDS	0.0731	0.027	NO SIGNIFICANT				
THYROIDES/PARA.	0.0153	0.006	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
FINAL BODY WT(G)	267.			CECUM	COLON	DUODENUM	ESOPHAGUS
				EYES/OPTIC N.	HEART	JEJUNUM	KIDNEYS
				LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	LUNGS
				LARYNX	MAMMARY GLAND	NERVE, SCIATIC	OVIDUCTS
				OVARIES	PANCREAS	PHARYNX	PITUITARY
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	THYROID GLANDS
				THYMUS	TRACHEA	URINARY BLADDER	UTERUS
				VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	HEART	JEJUNUM	LYMPH NODE, MES
				NERVE, SCIATIC	OVIDUCTS	OVARIES	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				SPLEEN	PARATHYROIDES	THYMUS	UTERUS

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

ILEUM: DIVERTICULUM

<====>ILEUM: DIVERTICULUM

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6469 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	ADRENAL MEDULLA	MICRO: NOT PRESENT FOR EXAMINATION			
BRAIN	1.79	0.683		BOTH NOT PRESENT IN SECTION PLANE; RECUT EXAMINED			
LIVER	7.53	2.874	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE			1
KIDNEYS	1.93	0.737	LIVER	MICRO: INFLAMMATION, SUBACUTE			1
SPLEEN	0.70	0.267	NO SIGNIFICANT				
HEART	0.91	0.347	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
UTERUS	0.58	0.221		CECUM	COLON	DUODENUM	ESOPHAGUS
OVARIES/OVIDUCTS	0.1424	0.054		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
THYMUS	0.2315	0.088		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES
ADRENAL GLANDS	0.0597	0.023		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC
THYROIDS/PARA.	0.0178	0.007		OVIDUCTS	OVARIES	PANCREAS	PHARYNX
FINAL BODY WT(G)	262.			PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER
				UTERUS	VAGINA	CERVIX	NASAL CAVITY
				MICRO:ADRENAL CORTEX	BRAIN	COLON	DUODENUM
				HEART	ILEUM	JEJUNUM	LYMPH NODE, MES
				NERVE, SCIATIC	OVIDUCTS	OVARIES	PANCREAS
				RECTUM	SPINAL CORD	STOMACH, GLAN	STOMACH, NON
				SPLEEN	THYROID GLANDS	PARATHYROIDS	THYMUS
				UTERUS			

NOT PRESENT FOR EXAMINATION

MICRO:ADRENAL MEDULLA

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 123

ANIMAL NO. 6470 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
BRAIN	1.95	0.759	THYMUS	MICRO: HEMORRHAGE				1
LIVER	7.64	2.973	NO SIGNIFICANT					
KIDNEYS	1.91	0.743	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.42	0.163		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.05	0.409		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.53	0.206		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1321	0.051		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.3048	0.119		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0613	0.024		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0168	0.007		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	257.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 124

ANIMAL NO. 6473 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	GROSS: AREA(S), DEPRESSED			P
BRAIN	2.02	0.709		ONE, 2 MM IN DIAMETER, IN CORTEX, LEFT			
LIVER	7.71	2.705	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE			1
KIDNEYS	2.03	0.712	THYROID GLANDS	GROSS: SMALL			P
SPLEEN	0.65	0.228		BILATERAL			
HEART	1.14	0.400	THYMUS	MICRO: HEMORRHAGE			1
UTERUS	1.01	0.354	UTERUS	MICRO: DILATATION, LUMEN			1
OVARIES/OVIDUCTS	0.1331	0.047	NO SIGNIFICANT				
THYMUS	0.2296	0.081	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN
ADRENAL GLANDS	0.0793	0.028		CECUM	COLON	DUODENUM	ESOPHAGUS
THYROIDS/PARA.	0.0116	0.004		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM
FINAL BODY WT(G)	285.			LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	LUNGS
				LARYNX	MAMMARY GLAND	NERVE, SCIATIC	OVIDUCTS
				OVARIES	PANCREAS	PHARYNX	PITUITARY
				RECTUM	SPINAL CORD	SAL. GLAND MAND	STOMACH
				SKELETAL MUSCLE	SKIN	SPLEEN	THYMUS
				TRACHEA	URINARY BLADDER	UTERUS	VAGINA
				CERVIX	NASAL CAVITY		
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON
				DUODENUM	HEART	ILEUM	JEJUNUM
				LIVER	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS
				OVARIES	PANCREAS	RECTUM	SPINAL CORD
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS
				PARATHYROIDS			

GROSS/MICRO CORRELATIONS
GROSS FINDING

<====> CONFIRMING MICROSCOPIC FINDING

KIDNEYS: AREA(S), DEPRESSED
THYROID GLANDS: SMALL

<====>GROSS UNCONFIRMED
<====>GROSS UNCONFIRMED

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6477 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: INFILTRATE, LYMPHOCYTE				1
BRAIN	1.84	0.643		MINERALIZATION, PAPILLARY				(1)
LIVER	8.26	2.888	NO SIGNIFICANT					
KIDNEYS	2.14	0.748	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.50	0.175		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.13	0.395		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.69	0.241		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1325	0.046		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.2830	0.099		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0722	0.025		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0145	0.005		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	286.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LIVER	LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	
				OVARIES	PANCREAS	RECTUM	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	THYMUS	UTERUS		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT
()-FOCAL/SOLITARY, (())-MULTIFOCAL/MULTIPLE, NO PARENTHESES-NOT SPECIFIED

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

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ANIMAL NO. 6481 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/04/08 DATE OF DEATH: 01/04/08 STUDY DAY: 92
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	HEART	MICRO: CARDIOMYOPATHY				1
BRAIN	1.84	0.672	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
LIVER	9.23	3.369	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
KIDNEYS	2.40	0.876	PANCREAS	MICRO: INFILTRATE, LYMPHOCYTE				1
SPLEEN	0.60	0.219	RECTUM	MICRO: INFLAMMATION, SUBACUTE				1
HEART	1.16	0.423		FOCAL; CONFINED TO ADIPOSE TISSUE ADJACENT TO RECTUM				
UTERUS	0.57	0.208	PARATHYROIDS	MICRO: NO SIGNIFICANT CHANGES OBSERVED				
OVARIES/OVIDUCTS	0.1214	0.044		ONE PRESENT IN SECTION PLANE				
THYMUS	0.2722	0.099	NO SIGNIFICANT					
ADRENAL GLANDS	0.0607	0.022	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
THYROIDS/PARA.	0.0155	0.006		CECUM	COLON	DUODENUM	ESOPHAGUS	
FINAL BODY WT(G)	274.			EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
				KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
				LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
				OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
				PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
				STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	ILEUM	JEJUNUM	LYMPH NODE, MES	
				NERVE, SCIATIC	OVIDUCTS	OVARIES	SPINAL CORD	
				STOMACH, GLAN	STOMACH, NON	SPLEEN	THYROID GLANDS	
				PARATHYROIDS	THYMUS	UTERUS		

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 127

ANIMAL NO. 6486 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: NEPHROPATHY, CHRONIC PROGRESSIVE				1
BRAIN	2.05	0.683	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	9.61	3.203	THYMUS	MICRO: HEMORRHAGE				1
KIDNEYS	2.63	0.877	NO SIGNIFICANT					
SPLEEN	0.64	0.213	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
HEART	1.15	0.383		CECUM	COLON	DUODENUM	ESOPHAGUS	
UTERUS	0.58	0.193		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
OVARIES/OVIDUCTS	0.1725	0.057		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
THYMUS	0.3559	0.119		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
ADRENAL GLANDS	0.0817	0.027		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
THYROIDS/PARA.	0.0178	0.006		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
FINAL BODY WT(G)	300.			STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
				THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDS	
				UTERUS				

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A13 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL MACROSCOPIC AND MICROSCOPIC FINDINGS

PAGE 128

ANIMAL NO. 6489 GROUP 3: 15% TEST DIET FEMALE SCHEDULED EUTH 01/03/08 DATE OF DEATH: 01/03/08 STUDY DAY: 91
GRADE

ORGAN WEIGHT	ABS.(G)	REL.	KIDNEYS	MICRO: MINERALIZATION, PAPILLARY				1
BRAIN	2.03	0.695	LIVER	MICRO: INFLAMMATION, SUBACUTE				1
LIVER	9.41	3.223	NO SIGNIFICANT					
KIDNEYS	2.26	0.774	CHANGES OBSERVED	GROSS:ADRENAL GLANDS	AORTA	STERNUM	BRAIN	
SPLEEN	0.58	0.199		CECUM	COLON	DUODENUM	ESOPHAGUS	
HEART	1.20	0.411		EYES/OPTIC N.	HEART	ILEUM	JEJUNUM	
UTERUS	0.63	0.216		KIDNEYS	LYMPH NODE, MAND	LIVER	LYMPH NODE, MES	
OVARIES/OVIDUCTS	0.1716	0.059		LUNGS	LARYNX	MAMMARY GLAND	NERVE, SCIATIC	
THYMUS	0.2554	0.087		OVIDUCTS	OVARIES	PANCREAS	PHARYNX	
ADRENAL GLANDS	0.0872	0.030		PITUITARY	RECTUM	SPINAL CORD	SAL. GLAND MAND	
THYROIDS/PARA.	0.0133	0.005		STOMACH	SKELETAL MUSCLE	SKIN	SPLEEN	
FINAL BODY WT(G)	292.			THYROID GLANDS	THYMUS	TRACHEA	URINARY BLADDER	
				UTERUS	VAGINA	CERVIX	NASAL CAVITY	
				MICRO:ADRENAL CORTEX	ADRENAL MEDULLA	BRAIN	COLON	
				DUODENUM	HEART	ILEUM	JEJUNUM	
				LYMPH NODE, MES	NERVE, SCIATIC	OVIDUCTS	OVARIES	
				PANCREAS	RECTUM	SPINAL CORD	STOMACH, GLAN	
				STOMACH, NON	SPLEEN	THYROID GLANDS	PARATHYROIDS	
				THYMUS	UTERUS			

GROSS GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT

MICRO GRADE CODE: 1-MINIMAL, 2-MILD, 3-MODERATE, 4-SEVERE, P-PRESENT

PGRHv4.59
04/09/2008

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A14 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS AND FINAL BODY WEIGHTS [G]

PAGE 1
WEEK 13

MALE GROUP: CONTROL DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6357	534.	2.34	16.34	3.83	0.80	1.58	1.55	3.58	0.2127	0.0693	0.0135
6358	529.	1.97	13.73	3.70	0.90	1.70	1.37	3.59	0.3816	0.0569	0.0221
6360	462.	2.03	12.06	3.36	0.60	1.44	1.38	3.52	0.2597	0.0773	0.0209
6365	547.	2.30	16.36	4.00	0.79	1.90	1.22	3.32	0.2593	0.0549	0.0261
6368	484.	2.15	13.77	3.60	0.73	1.56	1.47	3.37	0.4172	0.0755	0.0227
6369	512.	1.97	15.08	3.52	0.69	1.47	1.31	3.20	0.2917	0.0662	0.0218
6375	438.	2.09	11.01	3.12	0.67	1.33	1.39	3.36	0.3211	0.0747	0.0211
6380	504.	2.07	15.53	4.00	0.61	1.53	1.46	3.55	0.2179	0.0520	0.0198
6383	536.	2.22	14.50	3.49	0.82	1.48	1.58	3.87	0.4610	0.0666	0.0207
6384	446.	2.17	13.49	3.26	0.71	1.52	1.34	3.44	0.3296	0.0482	0.0199
6385	581.	2.08	16.37	3.94	0.83	1.98	1.30	3.56	0.3895	0.0530	0.0190
6392	566.	2.19	16.02	3.63	0.98	1.65	1.37	3.93	0.5610	0.0652	0.0274
6394	565.	2.19	18.01	4.68	0.87	1.75	1.64	4.20	0.4248	0.0700	0.0206
6395	463.	1.98	15.32	3.48	0.71	1.55	1.49	3.40	0.1688	0.0606	0.0192
6397	500.	2.12	13.81	3.38	0.75	1.66	1.29	3.28	0.2644	0.0577	0.0197
6399	463.	2.06	13.49	3.68	0.65	1.54	1.48	3.81	0.2519	0.0633	0.0203
6400	478.	2.08	13.33	3.98	0.66	1.58	1.30	3.23	0.3440	0.0752	0.0208
6406	520.	2.06	15.27	4.03	0.88	1.54	1.52	3.67	0.3141	0.0672	0.0179
6415	516.	2.32	16.67	4.42	0.76	1.66	1.54	3.84	0.2432	0.0528	0.0210
6419	485.	2.05	14.76	3.63	0.71	1.66	1.58	3.57	0.3338	0.0644	0.0212
MEAN	506.	2.12	14.75	3.74	0.76	1.60	1.43	3.56	0.3224	0.0636	0.0208
S.D.	41.4	0.111	1.691	0.383	0.102	0.151	0.118	0.260	0.09579	0.00876	0.00280
S.E.	9.3	0.025	0.378	0.086	0.023	0.034	0.026	0.058	0.02142	0.00196	0.00063
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A14 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS AND FINAL BODY WEIGHTS [G]

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WEEK 13

MALE GROUP: 5% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6350	496.	2.27	14.34	3.65	0.80	1.65	1.31	3.35	0.3846	0.0610	0.0275
6353	544.	2.19	14.48	3.55	0.81	1.66	1.41	3.23	0.3687	0.0593	0.0221
6354	490.	2.19	12.15	3.33	0.64	1.65	1.32	3.37	0.3809	0.0562	0.0201
6356	472.	2.06	11.53	3.38	0.66	1.76	1.28	3.22	0.3487	0.0585	0.0192
6371	531.	2.23	15.50	4.17	0.70	1.52	1.49	3.45	0.2825	0.0528	0.0243
6372	464.	2.01	12.92	3.41	0.92	1.54	1.08	3.00	0.2806	0.0470	0.0175
6374	510.	2.19	14.39	3.40	0.94	1.55	1.54	3.49	0.2004	0.0629	0.0180
6376	544.	2.30	14.49	4.12	0.73	1.82	1.65	3.97	0.3333	0.0731	0.0219
6378	535.	2.12	14.93	3.72	0.73	1.62	1.36	3.69	0.2748	0.0601	0.0215
6379	483.	2.07	12.50	3.77	0.80	1.70	1.25	3.11	0.4012	0.0681	0.0197
6382	465.	2.08	13.30	3.32	0.65	1.50	1.37	3.05	0.4189	0.0659	0.0208
6386	555.	2.27	18.04	4.50	0.90	1.81	1.42	3.70	0.2638	0.0573	0.0170
6387	442.	2.16	12.49	3.17	0.70	1.42	1.39	3.68	0.3339	0.0613	0.0221
6393	536.	2.18	15.38	3.57	0.82	1.68	1.32	3.53	0.3146	0.0567	0.0191
6402	461.	2.05	15.02	3.66	0.81	1.55	1.39	3.63	0.3849	0.0555	0.0159
6407	464.	2.04	12.56	3.68	0.82	1.72	1.61	4.02	0.2421	0.0579	0.0166
6408	511.	2.09	13.74	3.90	0.72	1.61	1.40	3.31	0.4937	0.0472	0.0180
6411	508.	2.07	14.33	3.17	0.95	1.49	1.50	3.50	0.5401	0.0806	0.0218
6412	441.	1.96	12.97	3.23	0.70	1.46	1.30	3.26	0.3352	0.0582	0.0174
6413	584.	2.40	18.23	4.24	0.86	1.87	1.61	4.07	0.2494	0.0620	0.0215
MEAN	502.	2.15	14.16	3.65	0.78	1.63	1.40	3.48	0.3416	0.0601	0.0201
S.D.	40.4	0.111	1.770	0.377	0.097	0.126	0.138	0.310	0.08432	0.00781	0.00286
S.E.	9.0	0.025	0.396	0.084	0.022	0.028	0.031	0.069	0.01885	0.00175	0.00064
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A14 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS AND FINAL BODY WEIGHTS [G]

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WEEK 13

MALE GROUP: 15% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6351	477.	2.33	13.20	3.62	0.66	1.39	1.49	3.45	0.2416	0.0631	0.0163
6352	535.	2.30	16.58	4.27	0.78	1.86	1.29	3.75	0.3342	0.0530	0.0251
6359	648.	2.26	19.26	4.77	0.79	2.09	1.57	4.40	0.3693	0.0660	0.0240
6361	486.	2.10	14.62	4.16	0.88	1.45	1.38	3.65	0.2108	0.0535	0.0178
6362	495.	2.04	13.63	3.55	0.69	1.53	1.43	3.26	0.2484	0.0672	0.0208
6363	475.	2.11	14.19	3.66	0.85	2.03	1.42	3.60	0.3182	0.0570	0.0274
6364	526.	2.28	14.78	4.22	0.77	1.68	1.54	4.51	0.4108	0.0652	0.0221
6366	521.	2.07	15.49	3.88	0.69	1.75	1.52	3.88	0.2937	0.0613	0.0211
6367	468.	2.12	12.56	3.41	0.73	1.58	1.44	2.90	0.3014	0.0634	0.0191
6370	496.	2.03	13.45	3.93	0.76	1.61	1.25	3.68	0.3038	0.0642	0.0185
6373	546.	2.01	16.49	3.95	1.02	1.62	1.33	3.71	0.2245	0.0738	0.0226
6377	535.	2.07	16.40	4.25	0.88	1.74	1.54	4.05	0.3105	0.0528	0.0226
6381	525.	2.21	16.00	3.79	0.82	1.73	1.30	3.38	0.3037	0.0792	0.0215
6388	557.	2.09	15.97	3.82	0.75	2.03	1.39	3.81	0.4429	0.0668	0.0185
6389	568.	2.10	16.85	4.36	0.85	1.86	1.59	4.01	0.4002	0.0645	0.0210
6391	521.	2.16	17.18	4.28	0.84	1.72	1.44	3.36	0.4725	0.0788	0.0201
6405	435.	2.15	11.22	3.23	0.59	1.37	1.34	3.19	0.2621	0.0461	0.0174
6410	443.	2.03	12.19	3.62	0.90	1.66	1.35	2.91	0.2702	0.0540	0.0234
6414	539.	2.25	15.79	4.23	0.96	1.94	1.46	3.65	0.3268	0.0729	0.0244
6416	496.	2.05	13.52	3.54	0.62	1.55	1.15	3.07	0.2791	0.0542	0.0158
MEAN	515.	2.14	14.97	3.93	0.79	1.71	1.41	3.61	0.3162	0.0629	0.0210
S.D.	48.0	0.100	1.980	0.385	0.111	0.209	0.115	0.439	0.07142	0.00904	0.00308
S.E.	10.7	0.022	0.443	0.086	0.025	0.047	0.026	0.098	0.01597	0.00202	0.00069
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A14 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS AND FINAL BODY WEIGHTS [G]

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FEMALE GROUP: CONTROL DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6422	271.	1.87	7.66	1.95	0.56	1.08	0.93	0.1242	0.4562	0.0676	0.0143
6430	257.	1.95	7.37	1.96	0.54	0.96	0.47	0.1321	0.2419	0.0659	0.0170
6435	289.	2.07	7.84	2.13	0.54	1.02	1.17	0.1496	0.3111	0.0769	0.0142
6436	274.	2.15	7.81	1.95	0.63	0.95	0.45	0.1307	0.2644	0.0722	0.0144
6440	305.	1.99	7.84	2.17	0.41	1.13	0.58	0.1107	0.2870	0.0672	0.0158
6442	264.	2.12	7.66	2.02	0.48	1.13	0.70	0.1033	0.2116	0.0726	0.0137
6443	260.	2.14	7.35	1.93	0.50	1.03	0.64	0.1418	0.2597	0.0721	0.0125
6445	355.	2.09	10.63	2.66	0.52	1.15	0.64	0.0702	0.4818	0.0895	0.0233
6452	278.	2.02	7.20	2.02	0.58	1.02	0.56	0.1549	0.2946	0.0576	0.0177
6453	275.	2.00	8.76	2.38	0.53	1.06	0.57	0.1266	0.2159	0.0625	0.0190
6454	324.	2.04	8.67	2.49	0.70	1.19	0.42	0.1670	0.3184	0.0616	0.0127
6457	273.	1.84	7.85	2.03	0.58	1.09	1.11	0.1051	0.3956	0.0660	0.0133
6458	262.	1.84	7.55	1.99	0.51	0.95	0.55	0.1225	0.2941	0.0694	0.0157
6459	239.	1.92	7.84	1.97	0.45	1.05	0.73	0.1304	0.2620	0.0713	0.0148
6460	265.	1.98	7.43	2.02	0.62	0.98	0.55	0.1443	0.3100	0.0699	0.0176
6466	276.	1.90	9.18	2.21	0.48	1.10	0.46	0.1349	0.2401	0.0633	0.0192
6476	284.	1.80	9.10	1.98	0.82	1.10	1.60	0.1686	0.1867	0.0665	0.0182
6479	240.	1.85	6.61	1.80	0.38	0.87	0.65	0.1075	0.2040	0.0564	0.0109
6480	289.	2.05	8.73	2.41	0.45	1.21	0.85	0.1584	0.3171	0.0663	0.0156
6484	228.	1.79	7.61	1.94	0.46	1.06	0.73	0.1181	0.2299	0.0653	0.0135
MEAN	275.	1.97	8.03	2.10	0.54	1.06	0.72	0.1300	0.2891	0.0680	0.0157
S.D.	28.9	0.115	0.903	0.222	0.102	0.087	0.293	0.02414	0.07896	0.00715	0.00290
S.E.	6.5	0.026	0.202	0.050	0.023	0.019	0.065	0.00540	0.01766	0.00160	0.00065
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A14 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS AND FINAL BODY WEIGHTS [G]

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WEEK 13

FEMALE GROUP: 5% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6421	305.	1.91	8.74	2.08	0.48	1.09	0.67	0.1325	0.2410	0.0766	0.0160
6426	234.	1.80	7.02	2.12	0.39	1.14	0.64	0.1342	0.2144	0.0644	0.0137
6431	271.	2.02	7.91	2.13	0.51	1.21	1.21	0.1345	0.2789	0.0693	0.0112
6433	299.	2.15	8.04	2.47	0.54	1.18	1.41	0.1290	0.3747	0.0868	0.0144
6437	258.	1.88	7.29	2.06	0.52	0.99	0.60	0.1351	0.2141	0.0601	0.0149
6449	260.	1.95	7.66	2.01	0.47	1.42	0.66	0.1076	0.2920	0.0842	0.0122
6450	259.	1.60	7.27	1.99	0.52	1.20	0.39	0.1119	0.2772	0.0615	0.0124
6451	287.	2.00	7.81	2.14	0.60	1.26	0.82	0.1478	0.2983	0.0701	0.0136
6455	298.	1.93	9.10	2.19	0.55	1.03	0.69	0.1811	0.4044	0.0832	0.0171
6456	287.	1.90	7.43	2.08	0.48	1.06	0.43	0.1549	0.2835	0.0551	0.0162
6461	263.	2.11	8.82	2.12	0.48	1.09	0.67	0.1290	0.2700	0.0814	0.0138
6462	282.	1.93	9.18	2.27	0.55	1.03	0.67	0.1667	0.2928	0.0640	0.0167
6465	282.	1.92	8.94	2.29	0.48	1.19	0.67	0.1638	0.2907	0.0891	0.0134
6471	279.	2.02	7.86	2.24	0.59	1.09	0.76	0.1697	0.3844	0.0668	0.0129
6475	278.	1.83	7.75	1.99	0.52	1.13	0.65	0.1355	0.3016	0.0646	0.0162
6478	271.	1.93	7.30	1.99	0.45	0.99	0.40	0.1359	0.1700	0.0733	0.0172
6482	297.	1.93	8.89	2.27	0.65	1.00	0.64	0.1419	0.3232	0.0832	0.0145
6483	276.	1.78	8.03	1.95	0.42	1.00	0.58	0.1281	0.3444	0.0618	0.0140
6488	255.	2.03	8.25	2.14	0.54	1.10	0.50	0.1257	0.2043	0.0686	0.0132
MEAN	276.	1.93	8.07	2.13	0.51	1.12	0.69	0.1403	0.2874	0.0718	0.0144
S.D.	18.1	0.123	0.688	0.132	0.063	0.110	0.249	0.01936	0.06221	0.01024	0.00175
S.E.	4.2	0.028	0.158	0.030	0.014	0.025	0.057	0.00444	0.01427	0.00235	0.00040
N	19	19	19	19	19	19	19	19	19	19	19

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A14 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS AND FINAL BODY WEIGHTS [G]

PAGE 6
WEEK 13

FEMALE GROUP: 15% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6420	236.	1.83	6.72	1.81	0.37	0.99	0.49	0.1272	0.2463	0.0468	0.0194
6423	307.	1.97	9.54	2.31	0.56	1.18	1.03	0.1409	0.3457	0.0779	0.0175
6424	278.	2.12	6.74	1.97	0.55	0.92	0.91	0.1153	0.2694	0.0617	0.0143
6425	258.	1.82	7.81	2.17	0.46	1.05	0.98	0.1263	0.2409	0.0736	0.0159
6427	288.	1.87	8.87	2.25	0.65	1.06	0.50	0.1597	0.2701	0.0677	0.0141
6428	275.	2.00	7.86	2.06	0.50	1.04	0.58	0.1725	0.3293	0.0766	0.0163
6429	262.	1.93	7.11	2.01	0.53	0.93	1.09	0.1236	0.2850	0.0800	0.0133
6432	264.	1.73	7.29	2.05	0.50	1.26	0.47	0.1343	0.2206	0.0659	0.0156
6434	296.	1.79	9.76	2.44	0.45	1.39	0.68	0.0988	0.3053	0.0785	0.0131
6441	261.	2.00	6.82	1.68	0.44	1.05	0.48	0.1360	0.3120	0.0588	0.0191
6444	269.	1.93	7.69	2.04	0.50	1.01	0.61	0.1573	0.2676	0.0757	0.0149
6447	283.	2.10	7.57	2.19	0.52	1.11	0.47	0.1356	0.1820	0.0716	0.0140
6463	267.	1.81	9.28	2.13	0.51	1.04	0.73	0.1087	0.1545	0.0731	0.0153
6469	262.	1.79	7.53	1.93	0.70	0.91	0.58	0.1424	0.2315	0.0597	0.0178
6470	257.	1.95	7.64	1.91	0.42	1.05	0.53	0.1321	0.3048	0.0613	0.0168
6473	285.	2.02	7.71	2.03	0.65	1.14	1.01	0.1331	0.2296	0.0793	0.0116
6477	286.	1.84	8.26	2.14	0.50	1.13	0.69	0.1325	0.2830	0.0722	0.0145
6481	274.	1.84	9.23	2.40	0.60	1.16	0.57	0.1214	0.2722	0.0607	0.0155
6486	300.	2.05	9.61	2.63	0.64	1.15	0.58	0.1725	0.3559	0.0817	0.0178
6489	292.	2.03	9.41	2.26	0.58	1.20	0.63	0.1716	0.2554	0.0872	0.0133
MEAN	275.	1.92	8.12	2.12	0.53	1.09	0.68	0.1371	0.2681	0.0705	0.0155
S.D.	17.4	0.113	1.036	0.223	0.086	0.118	0.207	0.02068	0.05101	0.00994	0.00209
S.E.	3.9	0.025	0.232	0.050	0.019	0.026	0.046	0.00462	0.01141	0.00222	0.00047
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

POFBWv4.14
03/06/2008

PROJECT NO.:WIL-50333
 SPONSOR:MONSANTO COMPANY
 SPONSOR NO.:WI-2007-068

TABLE A15 (SCHEDULED NECROPSY)
 A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
 INDIVIDUAL ORGAN WTS. RELATIVE TO FINAL BODY WTS. [G/100 G]

PAGE 1
 WEEK 13

MALE GROUP: CONTROL DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6357	534.	0.438	3.060	0.717	0.150	0.296	0.290	0.670	0.040	0.013	0.003
6358	529.	0.372	2.595	0.699	0.170	0.321	0.259	0.679	0.072	0.011	0.004
6360	462.	0.439	2.610	0.727	0.130	0.312	0.299	0.762	0.056	0.017	0.005
6365	547.	0.420	2.991	0.731	0.144	0.347	0.223	0.607	0.047	0.010	0.005
6368	484.	0.444	2.845	0.744	0.151	0.322	0.304	0.696	0.086	0.016	0.005
6369	512.	0.385	2.945	0.688	0.135	0.287	0.256	0.625	0.057	0.013	0.004
6375	438.	0.477	2.514	0.712	0.153	0.304	0.317	0.767	0.073	0.017	0.005
6380	504.	0.411	3.081	0.794	0.121	0.304	0.290	0.704	0.043	0.010	0.004
6383	536.	0.414	2.705	0.651	0.153	0.276	0.295	0.722	0.086	0.012	0.004
6384	446.	0.487	3.025	0.731	0.159	0.341	0.300	0.771	0.074	0.011	0.004
6385	581.	0.358	2.818	0.678	0.143	0.341	0.224	0.613	0.067	0.009	0.003
6392	566.	0.387	2.830	0.641	0.173	0.292	0.242	0.694	0.099	0.012	0.005
6394	565.	0.388	3.188	0.828	0.154	0.310	0.290	0.743	0.075	0.012	0.004
6395	463.	0.428	3.309	0.752	0.153	0.335	0.322	0.734	0.036	0.013	0.004
6397	500.	0.424	2.762	0.676	0.150	0.332	0.258	0.656	0.053	0.012	0.004
6399	463.	0.445	2.914	0.795	0.140	0.333	0.320	0.823	0.054	0.014	0.004
6400	478.	0.435	2.789	0.833	0.138	0.331	0.272	0.676	0.072	0.016	0.004
6406	520.	0.396	2.937	0.775	0.169	0.296	0.292	0.706	0.060	0.013	0.003
6415	516.	0.450	3.231	0.857	0.147	0.322	0.298	0.744	0.047	0.010	0.004
6419	485.	0.423	3.043	0.748	0.146	0.342	0.326	0.736	0.069	0.013	0.004
MEAN	506.	0.421	2.910	0.739	0.149	0.317	0.284	0.706	0.063	0.013	0.004
S.D.	41.4	0.0332	0.2145	0.0603	0.0130	0.0208	0.0310	0.0563	0.0168	0.0023	0.0006
S.E.	9.3	0.0074	0.0480	0.0135	0.0029	0.0047	0.0069	0.0126	0.0038	0.0005	0.0001
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WTS. RELATIVE TO FINAL BODY WTS. [G/100 G]

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WEEK 13

MALE GROUP: 5% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6350	496.	0.458	2.891	0.736	0.161	0.333	0.264	0.675	0.078	0.012	0.006
6353	544.	0.403	2.662	0.653	0.149	0.305	0.259	0.594	0.068	0.011	0.004
6354	490.	0.447	2.480	0.680	0.131	0.337	0.269	0.688	0.078	0.011	0.004
6356	472.	0.436	2.443	0.716	0.140	0.373	0.271	0.682	0.074	0.012	0.004
6371	531.	0.420	2.919	0.785	0.132	0.286	0.281	0.650	0.053	0.010	0.005
6372	464.	0.433	2.784	0.735	0.198	0.332	0.233	0.647	0.060	0.010	0.004
6374	510.	0.429	2.822	0.667	0.184	0.304	0.302	0.684	0.039	0.012	0.004
6376	544.	0.423	2.664	0.757	0.134	0.335	0.303	0.730	0.061	0.013	0.004
6378	535.	0.396	2.791	0.695	0.136	0.303	0.254	0.690	0.051	0.011	0.004
6379	483.	0.429	2.588	0.781	0.166	0.352	0.259	0.644	0.083	0.014	0.004
6382	465.	0.447	2.860	0.714	0.140	0.323	0.295	0.656	0.090	0.014	0.004
6386	555.	0.409	3.250	0.811	0.162	0.326	0.256	0.667	0.048	0.010	0.003
6387	442.	0.489	2.826	0.717	0.158	0.321	0.314	0.833	0.076	0.014	0.005
6393	536.	0.407	2.869	0.666	0.153	0.313	0.246	0.659	0.059	0.011	0.004
6402	461.	0.445	3.258	0.794	0.176	0.336	0.302	0.787	0.083	0.012	0.003
6407	464.	0.440	2.707	0.793	0.177	0.371	0.347	0.866	0.052	0.012	0.004
6408	511.	0.409	2.689	0.763	0.141	0.315	0.274	0.648	0.097	0.009	0.004
6411	508.	0.407	2.821	0.624	0.187	0.293	0.295	0.689	0.106	0.016	0.004
6412	441.	0.444	2.941	0.732	0.159	0.331	0.295	0.739	0.076	0.013	0.004
6413	584.	0.411	3.122	0.726	0.147	0.320	0.276	0.697	0.043	0.011	0.004
MEAN	502.	0.429	2.819	0.727	0.157	0.325	0.280	0.696	0.069	0.012	0.004
S.D.	40.4	0.0226	0.2170	0.0521	0.0198	0.0227	0.0270	0.0663	0.0184	0.0017	0.0006
S.E.	9.0	0.0051	0.0485	0.0117	0.0044	0.0051	0.0060	0.0148	0.0041	0.0004	0.0001
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WTS. RELATIVE TO FINAL BODY WTS. [G/100 G]

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WEEK 13

MALE GROUP: 15% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6351	477.	0.488	2.767	0.759	0.138	0.291	0.312	0.723	0.051	0.013	0.003
6352	535.	0.430	3.099	0.798	0.146	0.348	0.241	0.701	0.062	0.010	0.005
6359	648.	0.349	2.972	0.736	0.122	0.323	0.242	0.679	0.057	0.010	0.004
6361	486.	0.432	3.008	0.856	0.181	0.298	0.284	0.751	0.043	0.011	0.004
6362	495.	0.412	2.754	0.717	0.139	0.309	0.289	0.659	0.050	0.014	0.004
6363	475.	0.444	2.987	0.771	0.179	0.427	0.299	0.758	0.067	0.012	0.006
6364	526.	0.433	2.810	0.802	0.146	0.319	0.293	0.857	0.078	0.012	0.004
6366	521.	0.397	2.973	0.745	0.132	0.336	0.292	0.745	0.056	0.012	0.004
6367	468.	0.453	2.684	0.729	0.156	0.338	0.308	0.620	0.064	0.014	0.004
6370	496.	0.409	2.712	0.792	0.153	0.325	0.252	0.742	0.061	0.013	0.004
6373	546.	0.368	3.020	0.723	0.187	0.297	0.244	0.679	0.041	0.014	0.004
6377	535.	0.387	3.065	0.794	0.164	0.325	0.288	0.757	0.058	0.010	0.004
6381	525.	0.421	3.048	0.722	0.156	0.330	0.248	0.644	0.058	0.015	0.004
6388	557.	0.375	2.867	0.686	0.135	0.364	0.250	0.684	0.080	0.012	0.003
6389	568.	0.370	2.967	0.768	0.150	0.327	0.280	0.706	0.070	0.011	0.004
6391	521.	0.415	3.298	0.821	0.161	0.330	0.276	0.645	0.091	0.015	0.004
6405	435.	0.494	2.579	0.743	0.136	0.315	0.308	0.733	0.060	0.011	0.004
6410	443.	0.458	2.752	0.817	0.203	0.375	0.305	0.657	0.061	0.012	0.005
6414	539.	0.417	2.929	0.785	0.178	0.360	0.271	0.677	0.061	0.014	0.005
6416	496.	0.413	2.726	0.714	0.125	0.313	0.232	0.619	0.056	0.011	0.003
MEAN	515.	0.418	2.901	0.764	0.154	0.333	0.276	0.702	0.061	0.012	0.004
S.D.	48.0	0.0382	0.1750	0.0438	0.0220	0.0313	0.0262	0.0578	0.0119	0.0016	0.0007
S.E.	10.7	0.0085	0.0391	0.0098	0.0049	0.0070	0.0059	0.0129	0.0027	0.0004	0.0002
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WTS. RELATIVE TO FINAL BODY WTS. [G/100 G]

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WEEK 13

FEMALE GROUP: CONTROL DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6422	271.	0.690	2.827	0.720	0.207	0.399	0.343	0.046	0.168	0.025	0.005
6430	257.	0.759	2.868	0.763	0.210	0.374	0.183	0.051	0.094	0.026	0.007
6435	289.	0.716	2.713	0.737	0.187	0.353	0.405	0.052	0.108	0.027	0.005
6436	274.	0.785	2.850	0.712	0.230	0.347	0.164	0.048	0.096	0.026	0.005
6440	305.	0.652	2.570	0.711	0.134	0.370	0.190	0.036	0.094	0.022	0.005
6442	264.	0.803	2.902	0.765	0.182	0.428	0.265	0.039	0.080	0.028	0.005
6443	260.	0.823	2.827	0.742	0.192	0.396	0.246	0.055	0.100	0.028	0.005
6445	355.	0.589	2.994	0.749	0.146	0.324	0.180	0.020	0.136	0.025	0.007
6452	278.	0.727	2.590	0.727	0.209	0.367	0.201	0.056	0.106	0.021	0.006
6453	275.	0.727	3.185	0.865	0.193	0.385	0.207	0.046	0.079	0.023	0.007
6454	324.	0.630	2.676	0.769	0.216	0.367	0.130	0.052	0.098	0.019	0.004
6457	273.	0.674	2.875	0.744	0.212	0.399	0.407	0.038	0.145	0.024	0.005
6458	262.	0.702	2.882	0.760	0.195	0.363	0.210	0.047	0.112	0.026	0.006
6459	239.	0.803	3.280	0.824	0.188	0.439	0.305	0.055	0.110	0.030	0.006
6460	265.	0.747	2.804	0.762	0.234	0.370	0.208	0.054	0.117	0.026	0.007
6466	276.	0.688	3.326	0.801	0.174	0.399	0.167	0.049	0.087	0.023	0.007
6476	284.	0.634	3.204	0.697	0.289	0.387	0.563	0.059	0.066	0.023	0.006
6479	240.	0.771	2.754	0.750	0.158	0.363	0.271	0.045	0.085	0.024	0.005
6480	289.	0.709	3.021	0.834	0.156	0.419	0.294	0.055	0.110	0.023	0.005
6484	228.	0.785	3.338	0.851	0.202	0.465	0.320	0.052	0.101	0.029	0.006
MEAN	275.	0.721	2.924	0.764	0.196	0.386	0.263	0.048	0.105	0.025	0.006
S.D.	28.9	0.0647	0.2338	0.0476	0.0345	0.0336	0.1056	0.0090	0.0238	0.0028	0.0009
S.E.	6.5	0.0145	0.0523	0.0106	0.0077	0.0075	0.0236	0.0020	0.0053	0.0006	0.0002
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WTS. RELATIVE TO FINAL BODY WTS. [G/100 G]

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WEEK 13

FEMALE GROUP: 5% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6421	305.	0.626	2.866	0.682	0.157	0.357	0.220	0.043	0.079	0.025	0.005
6426	234.	0.769	3.000	0.906	0.167	0.487	0.274	0.057	0.092	0.028	0.006
6431	271.	0.745	2.919	0.786	0.188	0.446	0.446	0.050	0.103	0.026	0.004
6433	299.	0.719	2.689	0.826	0.181	0.395	0.472	0.043	0.125	0.029	0.005
6437	258.	0.729	2.826	0.798	0.202	0.384	0.233	0.052	0.083	0.023	0.006
6449	260.	0.750	2.946	0.773	0.181	0.546	0.254	0.041	0.112	0.032	0.005
6450	259.	0.618	2.807	0.768	0.201	0.463	0.151	0.043	0.107	0.024	0.005
6451	287.	0.697	2.721	0.746	0.209	0.439	0.286	0.051	0.104	0.024	0.005
6455	298.	0.648	3.054	0.735	0.185	0.346	0.232	0.061	0.136	0.028	0.006
6456	287.	0.662	2.589	0.725	0.167	0.369	0.150	0.054	0.099	0.019	0.006
6461	263.	0.802	3.354	0.806	0.183	0.414	0.255	0.049	0.103	0.031	0.005
6462	282.	0.684	3.255	0.805	0.195	0.365	0.238	0.059	0.104	0.023	0.006
6465	282.	0.681	3.170	0.812	0.170	0.422	0.238	0.058	0.103	0.032	0.005
6471	279.	0.724	2.817	0.803	0.211	0.391	0.272	0.061	0.138	0.024	0.005
6475	278.	0.658	2.788	0.716	0.187	0.406	0.234	0.049	0.108	0.023	0.006
6478	271.	0.712	2.694	0.734	0.166	0.365	0.148	0.050	0.063	0.027	0.006
6482	297.	0.650	2.993	0.764	0.219	0.337	0.215	0.048	0.109	0.028	0.005
6483	276.	0.645	2.909	0.707	0.152	0.362	0.210	0.046	0.125	0.022	0.005
6488	255.	0.796	3.235	0.839	0.212	0.431	0.196	0.049	0.080	0.027	0.005
MEAN	276.	0.701	2.928	0.775	0.186	0.407	0.249	0.051	0.104	0.026	0.005
S.D.	18.1	0.0553	0.2105	0.0538	0.0196	0.0534	0.0843	0.0062	0.0193	0.0035	0.0006
S.E.	4.2	0.0127	0.0483	0.0123	0.0045	0.0122	0.0194	0.0014	0.0044	0.0008	0.0001
N	19	19	19	19	19	19	19	19	19	19	19

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A15 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WTS. RELATIVE TO FINAL BODY WTS. [G/100 G]

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WEEK 13

FEMALE GROUP: 15% TEST DIET

ANIMAL	FBW(G)	BRAIN	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6420	236.	0.775	2.847	0.767	0.157	0.419	0.208	0.054	0.104	0.020	0.008
6423	307.	0.642	3.107	0.752	0.182	0.384	0.336	0.046	0.113	0.025	0.006
6424	278.	0.763	2.424	0.709	0.198	0.331	0.327	0.041	0.097	0.022	0.005
6425	258.	0.705	3.027	0.841	0.178	0.407	0.380	0.049	0.093	0.029	0.006
6427	288.	0.649	3.080	0.781	0.226	0.368	0.174	0.055	0.094	0.024	0.005
6428	275.	0.727	2.858	0.749	0.182	0.378	0.211	0.063	0.120	0.028	0.006
6429	262.	0.737	2.714	0.767	0.202	0.355	0.416	0.047	0.109	0.031	0.005
6432	264.	0.655	2.761	0.777	0.189	0.477	0.178	0.051	0.084	0.025	0.006
6434	296.	0.605	3.297	0.824	0.152	0.470	0.230	0.033	0.103	0.027	0.004
6441	261.	0.766	2.613	0.644	0.169	0.402	0.184	0.052	0.120	0.023	0.007
6444	269.	0.717	2.859	0.758	0.186	0.375	0.227	0.058	0.099	0.028	0.006
6447	283.	0.742	2.675	0.774	0.184	0.392	0.166	0.048	0.064	0.025	0.005
6463	267.	0.678	3.476	0.798	0.191	0.390	0.273	0.041	0.058	0.027	0.006
6469	262.	0.683	2.874	0.737	0.267	0.347	0.221	0.054	0.088	0.023	0.007
6470	257.	0.759	2.973	0.743	0.163	0.409	0.206	0.051	0.119	0.024	0.007
6473	285.	0.709	2.705	0.712	0.228	0.400	0.354	0.047	0.081	0.028	0.004
6477	286.	0.643	2.888	0.748	0.175	0.395	0.241	0.046	0.099	0.025	0.005
6481	274.	0.672	3.369	0.876	0.219	0.423	0.208	0.044	0.099	0.022	0.006
6486	300.	0.683	3.203	0.877	0.213	0.383	0.193	0.058	0.119	0.027	0.006
6489	292.	0.695	3.223	0.774	0.199	0.411	0.216	0.059	0.087	0.030	0.005
MEAN	275.	0.700	2.949	0.770	0.193	0.396	0.247	0.050	0.098	0.026	0.006
S.D.	17.4	0.0480	0.2727	0.0552	0.0275	0.0356	0.0742	0.0072	0.0174	0.0029	0.0010
S.E.	3.9	0.0107	0.0610	0.0123	0.0062	0.0080	0.0166	0.0016	0.0039	0.0007	0.0002
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

POFBWv4.14
03/06/2008

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A16 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHTS [G/100 G]

PAGE 1
WEEK 13

MALE GROUP: CONTROL DIET

ANIMAL	FBW(G)	BRAIN WT (GRAMS)	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6357	534.	2.34	698.291	163.675	34.188	67.521	66.239	152.991	9.090	2.962	0.577
6358	529.	1.97	696.954	187.817	45.685	86.294	69.543	182.233	19.371	2.888	1.122
6360	462.	2.03	594.089	165.517	29.557	70.936	67.980	173.399	12.793	3.808	1.030
6365	547.	2.30	711.304	173.913	34.348	82.609	53.043	144.348	11.274	2.387	1.135
6368	484.	2.15	640.465	167.442	33.953	72.558	68.372	156.744	19.405	3.512	1.056
6369	512.	1.97	765.482	178.680	35.025	74.619	66.497	162.437	14.807	3.360	1.107
6375	438.	2.09	526.794	149.282	32.057	63.636	66.507	160.766	15.364	3.574	1.010
6380	504.	2.07	750.242	193.237	29.469	73.913	70.531	171.498	10.527	2.512	0.957
6383	536.	2.22	653.153	157.207	36.937	66.667	71.171	174.324	20.766	3.000	0.932
6384	446.	2.17	621.659	150.230	32.719	70.046	61.751	158.525	15.189	2.221	0.917
6385	581.	2.08	787.019	189.423	39.904	95.192	62.500	171.154	18.726	2.548	0.913
6392	566.	2.19	731.507	165.753	44.749	75.342	62.557	179.452	25.616	2.977	1.251
6394	565.	2.19	822.374	213.699	39.726	79.909	74.886	191.781	19.397	3.196	0.941
6395	463.	1.98	773.737	175.758	35.859	78.283	75.253	171.717	8.525	3.061	0.970
6397	500.	2.12	651.415	159.434	35.377	78.302	60.849	154.717	12.472	2.722	0.929
6399	463.	2.06	654.854	178.641	31.553	74.757	71.845	184.951	12.228	3.073	0.985
6400	478.	2.08	640.865	191.346	31.731	75.962	62.500	155.288	16.538	3.615	1.000
6406	520.	2.06	741.262	195.631	42.718	74.757	73.786	178.155	15.248	3.262	0.869
6415	516.	2.32	718.535	190.517	32.759	71.552	66.379	165.517	10.483	2.276	0.905
6419	485.	2.05	720.000	177.073	34.634	80.976	77.073	174.146	16.283	3.141	1.034
MEAN	506.	2.12	695.000	176.214	35.647	75.692	67.463	168.207	15.205	3.005	0.982
S.D.	41.4	0.111	72.1348	16.7555	4.6758	7.1855	5.8851	12.2698	4.4201	0.4547	0.1342
S.E.	9.3	0.025	16.1298	3.7466	1.0455	1.6067	1.3160	2.7436	0.9884	0.1017	0.0300
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A16 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHTS [G/100 G]

PAGE 2
WEEK 13

MALE GROUP: 5% TEST DIET

ANIMAL	FBW(G)	BRAIN WT (GRAMS)	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6350	496.	2.27	631.718	160.793	35.242	72.687	57.709	147.577	16.943	2.687	1.211
6353	544.	2.19	661.187	162.100	36.986	75.799	64.384	147.489	16.836	2.708	1.009
6354	490.	2.19	554.795	152.055	29.224	75.342	60.274	153.881	17.393	2.566	0.918
6356	472.	2.06	559.709	164.078	32.039	85.437	62.136	156.311	16.927	2.840	0.932
6371	531.	2.23	695.067	186.996	31.390	68.161	66.816	154.709	12.668	2.368	1.090
6372	464.	2.01	642.786	169.652	45.771	76.617	53.731	149.254	13.960	2.338	0.871
6374	510.	2.19	657.078	155.251	42.922	70.776	70.320	159.361	9.151	2.872	0.822
6376	544.	2.30	630.000	179.130	31.739	79.130	71.739	172.609	14.491	3.178	0.952
6378	535.	2.12	704.245	175.472	34.434	76.415	64.151	174.057	12.962	2.835	1.014
6379	483.	2.07	603.865	182.126	38.647	82.126	60.386	150.242	19.382	3.290	0.952
6382	465.	2.08	639.423	159.615	31.250	72.115	65.865	146.635	20.139	3.168	1.000
6386	555.	2.27	794.714	198.238	39.648	79.736	62.555	162.996	11.621	2.524	0.749
6387	442.	2.16	578.241	146.759	32.407	65.741	64.352	170.370	15.458	2.838	1.023
6393	536.	2.18	705.505	163.761	37.615	77.064	60.550	161.927	14.431	2.601	0.876
6402	461.	2.05	732.683	178.537	39.512	75.610	67.805	177.073	18.776	2.707	0.776
6407	464.	2.04	615.686	180.392	40.196	84.314	78.922	197.059	11.868	2.838	0.814
6408	511.	2.09	657.416	186.603	34.450	77.034	66.986	158.373	23.622	2.258	0.861
6411	508.	2.07	692.271	153.140	45.894	71.981	72.464	169.082	26.092	3.894	1.053
6412	441.	1.96	661.735	164.796	35.714	74.490	66.327	166.327	17.102	2.969	0.888
6413	584.	2.40	759.583	176.667	35.833	77.917	67.083	169.583	10.392	2.583	0.896
MEAN	502.	2.15	658.885	169.808	36.546	75.925	65.228	162.246	16.011	2.803	0.935
S.D.	40.4	0.111	62.8227	13.7017	4.7638	4.9465	5.6356	12.6437	4.2671	0.3767	0.1130
S.E.	9.0	0.025	14.0476	3.0638	1.0652	1.1061	1.2602	2.8272	0.9541	0.0842	0.0253
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A16 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHTS [G/100 G]

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WEEK 13

MALE GROUP: 15% TEST DIET

ANIMAL	FBW(G)	BRAIN WT (GRAMS)	LIVER	KIDNEYS	SPLEEN	HEART	EPIDID YMIDES	TESTES	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6351	477.	2.33	566.524	155.365	28.326	59.657	63.948	148.069	10.369	2.708	0.700
6352	535.	2.30	720.870	185.652	33.913	80.870	56.087	163.043	14.530	2.304	1.091
6359	648.	2.26	852.212	211.062	34.956	92.478	69.469	194.690	16.341	2.920	1.062
6361	486.	2.10	696.191	198.095	41.905	69.048	65.714	173.810	10.038	2.548	0.848
6362	495.	2.04	668.137	174.020	33.824	75.000	70.098	159.804	12.176	3.294	1.020
6363	475.	2.11	672.512	173.460	40.284	96.209	67.299	170.616	15.081	2.701	1.299
6364	526.	2.28	648.246	185.088	33.772	73.684	67.544	197.807	18.018	2.860	0.969
6366	521.	2.07	748.309	187.440	33.333	84.541	73.430	187.440	14.188	2.961	1.019
6367	468.	2.12	592.453	160.849	34.434	74.528	67.925	136.792	14.217	2.991	0.901
6370	496.	2.03	662.562	193.596	37.438	79.310	61.576	181.281	14.966	3.163	0.911
6373	546.	2.01	820.398	196.517	50.746	80.597	66.169	184.577	11.169	3.672	1.124
6377	535.	2.07	792.271	205.314	42.512	84.058	74.396	195.652	15.000	2.551	1.092
6381	525.	2.21	723.982	171.493	37.104	78.281	58.824	152.941	13.742	3.584	0.973
6388	557.	2.09	764.115	182.775	35.885	97.129	66.507	182.297	21.191	3.196	0.885
6389	568.	2.10	802.381	207.619	40.476	88.571	75.714	190.952	19.057	3.071	1.000
6391	521.	2.16	795.370	198.148	38.889	79.630	66.667	155.556	21.875	3.648	0.931
6405	435.	2.15	521.860	150.233	27.442	63.721	62.326	148.372	12.191	2.144	0.809
6410	443.	2.03	600.493	178.325	44.335	81.773	66.502	143.350	13.310	2.660	1.153
6414	539.	2.25	701.778	188.000	42.667	86.222	64.889	162.222	14.524	3.240	1.084
6416	496.	2.05	659.512	172.683	30.244	75.610	56.098	149.756	13.615	2.644	0.771
MEAN	515.	2.14	700.509	183.787	37.124	80.046	66.059	168.951	14.780	2.943	0.982
S.D.	48.0	0.100	89.3635	16.9333	5.7279	9.6839	5.3508	19.4014	3.2174	0.4248	0.1432
S.E.	10.7	0.022	19.9823	3.7864	1.2808	2.1654	1.1965	4.3383	0.7194	0.0950	0.0320
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A16 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHTS [G/100 G]

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WEEK 13

FEMALE GROUP: CONTROL DIET

ANIMAL	FBW(G)	BRAIN WT (GRAMS)	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6422	271.	1.87	409.626	104.278	29.947	57.754	49.733	6.642	24.396	3.615	0.765
6430	257.	1.95	377.949	100.513	27.692	49.231	24.103	6.774	12.405	3.379	0.872
6435	289.	2.07	378.744	102.899	26.087	49.275	56.522	7.227	15.029	3.715	0.686
6436	274.	2.15	363.256	90.698	29.302	44.186	20.930	6.079	12.298	3.358	0.670
6440	305.	1.99	393.970	109.045	20.603	56.784	29.146	5.563	14.422	3.377	0.794
6442	264.	2.12	361.321	95.283	22.642	53.302	33.019	4.873	9.981	3.425	0.646
6443	260.	2.14	343.458	90.187	23.364	48.131	29.907	6.626	12.136	3.369	0.584
6445	355.	2.09	508.613	127.273	24.880	55.024	30.622	3.359	23.053	4.282	1.115
6452	278.	2.02	356.436	100.000	28.713	50.495	27.723	7.668	14.584	2.851	0.876
6453	275.	2.00	438.000	119.000	26.500	53.000	28.500	6.330	10.795	3.125	0.950
6454	324.	2.04	425.000	122.059	34.314	58.333	20.588	8.186	15.608	3.020	0.623
6457	273.	1.84	426.630	110.326	31.522	59.239	60.326	5.712	21.500	3.587	0.723
6458	262.	1.84	410.326	108.152	27.717	51.630	29.891	6.658	15.984	3.772	0.853
6459	239.	1.92	408.333	102.604	23.438	54.688	38.021	6.792	13.646	3.714	0.771
6460	265.	1.98	375.253	102.020	31.313	49.495	27.778	7.288	15.657	3.530	0.889
6466	276.	1.90	483.158	116.316	25.263	57.895	24.211	7.100	12.637	3.332	1.011
6476	284.	1.80	505.556	110.000	45.556	61.111	88.889	9.367	10.372	3.694	1.011
6479	240.	1.85	357.297	97.297	20.541	47.027	35.135	5.811	11.027	3.049	0.589
6480	289.	2.05	425.854	117.561	21.951	59.024	41.463	7.727	15.468	3.234	0.761
6484	228.	1.79	425.140	108.380	25.698	59.218	40.782	6.598	12.844	3.648	0.754
MEAN	275.	1.97	408.696	106.695	27.352	53.742	36.864	6.619	14.692	3.454	0.797
S.D.	28.9	0.115	48.1448	10.1177	5.6922	4.8699	16.4446	1.2583	4.0417	0.3231	0.1487
S.E.	6.5	0.026	10.7655	2.2624	1.2728	1.0889	3.6771	0.2814	0.9037	0.0722	0.0332
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A16 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHTS [G/100 G]

PAGE 5
WEEK 13

FEMALE GROUP: 5% TEST DIET

ANIMAL	FBW(G)	BRAIN WT (GRAMS)	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6421	305.	1.91	457.592	108.901	25.131	57.068	35.079	6.937	12.618	4.010	0.838
6426	234.	1.80	390.000	117.778	21.667	63.333	35.556	7.456	11.911	3.578	0.761
6431	271.	2.02	391.584	105.446	25.248	59.901	59.901	6.658	13.807	3.431	0.554
6433	299.	2.15	373.953	114.884	25.116	54.884	65.581	6.000	17.428	4.037	0.670
6437	258.	1.88	387.766	109.574	27.660	52.660	31.915	7.186	11.388	3.197	0.793
6449	260.	1.95	392.821	103.077	24.103	72.821	33.846	5.518	14.974	4.318	0.626
6450	259.	1.60	454.375	124.375	32.500	75.000	24.375	6.994	17.325	3.844	0.775
6451	287.	2.00	390.500	107.000	30.000	63.000	41.000	7.390	14.915	3.505	0.680
6455	298.	1.93	471.503	113.472	28.497	53.368	35.751	9.383	20.953	4.311	0.886
6456	287.	1.90	391.053	109.474	25.263	55.789	22.632	8.153	14.921	2.900	0.853
6461	263.	2.11	418.010	100.474	22.749	51.659	31.754	6.114	12.796	3.858	0.654
6462	282.	1.93	475.648	117.617	28.497	53.368	34.715	8.637	15.171	3.316	0.865
6465	282.	1.92	465.625	119.271	25.000	61.979	34.896	8.531	15.141	4.641	0.698
6471	279.	2.02	389.109	110.891	29.208	53.960	37.624	8.401	19.030	3.307	0.639
6475	278.	1.83	423.497	108.743	28.415	61.749	35.519	7.404	16.481	3.530	0.885
6478	271.	1.93	378.238	103.109	23.316	51.295	20.725	7.041	8.808	3.798	0.891
6482	297.	1.93	460.622	117.617	33.679	51.813	33.161	7.352	16.746	4.311	0.751
6483	276.	1.78	451.124	109.551	23.596	56.180	32.584	7.197	19.348	3.472	0.787
6488	255.	2.03	406.404	105.419	26.601	54.187	24.631	6.192	10.064	3.379	0.650
MEAN	276.	1.93	419.443	110.878	26.645	58.106	35.329	7.292	14.938	3.723	0.750
S.D.	18.1	0.123	35.9411	6.3750	3.2541	6.8309	11.0682	0.9959	3.2004	0.4578	0.1031
S.E.	4.2	0.028	8.2455	1.4625	0.7465	1.5671	2.5392	0.2285	0.7342	0.1050	0.0237
N	19	19	19	19	19	19	19	19	19	19	19

FBW = FINAL BODY WEIGHT

PROJECT NO.:WIL-50333
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

TABLE A16 (SCHEDULED NECROPSY)
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL ORGAN WEIGHTS RELATIVE TO BRAIN WEIGHTS [G/100 G]

PAGE 6
WEEK 13

FEMALE GROUP: 15% TEST DIET

ANIMAL	FBW(G)	BRAIN WT (GRAMS)	LIVER	KIDNEYS	SPLEEN	HEART	UTERUS	OVARIES/ OVIDUCTS	THYMUS	ADRENAL GLANDS	THYROID S/PARA.
6420	236.	1.83	367.213	98.907	20.219	54.098	26.776	6.951	13.459	2.557	1.060
6423	307.	1.97	484.264	117.259	28.426	59.898	52.284	7.152	17.548	3.954	0.888
6424	278.	2.12	317.925	92.925	25.943	43.396	42.925	5.439	12.708	2.910	0.675
6425	258.	1.82	429.121	119.231	25.275	57.692	53.846	6.940	13.236	4.044	0.874
6427	288.	1.87	474.332	120.321	34.759	56.684	26.738	8.540	14.444	3.620	0.754
6428	275.	2.00	393.000	103.000	25.000	52.000	29.000	8.625	16.465	3.830	0.815
6429	262.	1.93	368.394	104.145	27.461	48.187	56.477	6.404	14.767	4.145	0.689
6432	264.	1.73	421.387	118.497	28.902	72.832	27.168	7.763	12.751	3.809	0.902
6434	296.	1.79	545.251	136.313	25.140	77.654	37.989	5.520	17.056	4.385	0.732
6441	261.	2.00	341.000	84.000	22.000	52.500	24.000	6.800	15.600	2.940	0.955
6444	269.	1.93	398.446	105.699	25.907	52.332	31.606	8.150	13.865	3.922	0.772
6447	283.	2.10	360.476	104.286	24.762	52.857	22.381	6.457	8.667	3.410	0.667
6463	267.	1.81	512.707	117.680	28.177	57.459	40.331	6.006	8.536	4.039	0.845
6469	262.	1.79	420.670	107.821	39.106	50.838	32.402	7.955	12.933	3.335	0.994
6470	257.	1.95	391.795	97.949	21.538	53.846	27.179	6.774	15.631	3.144	0.862
6473	285.	2.02	381.683	100.495	32.178	56.436	50.000	6.589	11.366	3.926	0.574
6477	286.	1.84	448.913	116.304	27.174	61.413	37.500	7.201	15.380	3.924	0.788
6481	274.	1.84	501.630	130.435	32.609	63.043	30.978	6.598	14.793	3.299	0.842
6486	300.	2.05	468.781	128.293	31.220	56.098	28.293	8.415	17.361	3.985	0.868
6489	292.	2.03	463.547	111.330	28.571	59.113	31.034	8.453	12.581	4.296	0.655
MEAN	275.	1.92	424.527	110.745	27.718	56.919	35.445	7.137	13.957	3.674	0.811
S.D.	17.4	0.113	61.5269	13.2108	4.5931	7.7838	10.5442	0.9821	2.5164	0.5010	0.1232
S.E.	3.9	0.025	13.7578	2.9540	1.0271	1.7405	2.3577	0.2196	0.5627	0.1120	0.0276
N	20	20	20	20	20	20	20	20	20	20	20

FBW = FINAL BODY WEIGHT

POFBWv4.14
03/06/2008

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX B

Certificates of Analysis (Sponsor-Provided Data)

Monsanto Regulatory Sciences
800 North Lindbergh Blvd.
St. Louis, MO 63167

MONSANTO



Certificate of Analysis

Material:	MON 87769
Description:	Soybean Meal
Lot No./Sample ID:	GLP-0604-17267-S/07PP8328-00002
Source:	Production Plan 07PP8328/POS

Analysis Performed:

Analytical Laboratory:	Covance Laboratories, Inc.
Number(s):	6103-702
Analytes:	proximates, minerals, amino acids, fatty acids, trypsin inhibitor, phytic acid, lectin, and pesticide residues

Sample# 07PP8328-00002

Note: Protein Dispersibility Index, Protein Solubility, Urease, and Microbiological Screen were also conducted to assure suitable processing; these results are archived under this CoA number.

Analytical Laboratory:	Romer Laboratories
Number (sample #)	23231 (#2)
Analytes:	mycotoxins

All analyses were performed in GLP facilities with the exception of mycotoxin analyses at Romer Laboratories.

Signatures:

Prepared By:

Mary Daff 7-15-08
(Date)

QA Review By:

Angie B. Lel 7/15/08
(Date)

CoA-2007-057

page 1 of 3

ANALYTICAL RESULTS

Substance: MON 87769

Sample ID: 07PP8328-00002

Proximate (%)			
Moisture	7.50	Fatty Acids (%)	
Protein	48.5	8:0 Caprylic	<0.00100
Total Fat	0.258	10:0 Capric	<0.00100
Ash	6.18	12:0 Lauric	<0.00100
		14:0 Myristic	<0.00100
Acid Detergent Fiber (%)	5.95	14:1 Myristoleic	<0.00100
Neutral Detergent Fiber (%)	7.63	15:0 Pentadecanoic	<0.00100
Crude Fiber (%)	4.41	15:1 Pentadecenoic	<0.00100
Lectin (H.U./mg)	<0.10	16:0 Palmitic	0.0386
Trypsin Inhibitor (TIU/mg)	3.09	16:1 Palmitoleic	<0.00100
Phytic Acid (%)	1.12	17:0 Heptadecanoic	<0.00100
		17:1 Heptadecenoic	<0.00100
Minerals (ppm)		18:0 Stearic	0.0124
Calcium	3030	18:1 Oleic	0.0406
Copper	13.9	18:2 Linoleic	0.0579
Iron	73.5	18:3 Gamma Linolenic	0.0188
Magnesium	2680	18:3 Linolenic	0.0314
Manganese	29.2	18:4 Octadecatetraenoic	0.0709
Molybdenum	< 2.00	20:0 Arachidic	0.00100
Phosphorus	6650	20:1 Eicosenoic	<0.00100
Potassium	21700	20:2 Eicosadienoic	<0.00100
Sodium	< 100	20:4 Arachidonic	<0.00100
Zinc	52.3	20:3 Eicosatrienoic	<0.00100
		20:5 Eicosapentaenoic	<0.00100
Sulfur (%)	0.496	22:0 Behenic	<0.00100
Selenium (ppm)	696	22:1 Erucic	<0.00100
Chloride (%)	0.0401	22:5 Docosapentaenoic	<0.00100
Pesticides (ppm)		24:0 Lignoceric	<0.00100
Organophosphates	< 0.0500	22:6 Docosahexaenoic	<0.00100
Organonitrogens	< 0.500		
Organochlorinated	< 0.200		
N-Methylcarbamates	< 0.100		
Amino Acids (mg/g)		Amino Acids (mg/g) cont'd	
Aspartic Acid	55.3	Leucine	37.3
Threonine	18.4	Tyrosine	14.9
Serine	25.5	Phenylalanine	24.9
Glutamic Acid	90.1	Lysine	30.3
Proline	25.4	Histidine	12.9
Glycine	21.0	Arginine	38.6
Alanine	21.0	Tryptophan	6.05
Cystine	7.02		
Valine	23.5		
Methionine	6.90		
Isoleucine	22.1		
NA=Not applicable			

ANALYTICAL RESULTS

Substance: MON 87769

Sample ID: 07PP8328-00002

Mycotoxins		LoD		LoD	
Aflatoxin B1	ND	1.0 ppb	Fusarenon X	ND	0.5ppm
Aflatoxin B2	ND	1.0 ppb	Deoxynivalenol	ND	0.1ppm
Aflatoxin G1	ND	1.0 ppb	15 Acetyl-DON	ND	0.1ppm
Aflatoxin G2	ND	1.0 ppb	3 Acetyl-DON	ND	0.1ppm
Ochratoxin A	ND	4 ppb	Nivalenol	ND	0.5ppm
T-2 Toxin	ND	0.1ppm	Zearalenone	ND	100 ppb
HT-2 Toxin	ND	0.1ppm	Fumonisin B1	ND	0.2 ppm
Diacetoxyscirpenol	ND	0.3ppm	Fumonisin B2	ND	0.2 ppm
Neosolaniol	ND	0.1ppm	Fumonisin B3	ND	0.2 ppm
Citrinin	ND	267 ppb			
LoD = Limit of Detection					
ND = non-detectable					

Monsanto Regulatory Sciences
800 North Lindbergh Blvd.
St. Louis, MO 63167

MONSANTO



Certificate of Analysis

Material:	A3525
Description:	Soybean Meal
Lot No./Sample ID:	GLP-0604-17278-S/07PP8328-00003
Source:	Production Plan 07PP8328/POS

Analysis Performed:

Analytical Laboratory:	Covance Laboratories, Inc.
Number(s):	6103-702
Analytes:	proximates, minerals, amino acids, fatty acids, trypsin inhibitor, phytic acid, lectin, and pesticide residues

Sample# 07PP8328-00003

Note: Protein Dispersibility Index, Protein Solubility, Urease, and Microbiological Screen were also conducted to assure suitable processing; these results are archived under this CoA number.

Analytical Laboratory:	Romer Laboratories
Number (sample #)	23231 (#3)
Analytes:	mycotoxins

All analyses were performed in GLP facilities with the exception of mycotoxin analyses at Romer Laboratories.

Signatures:

Prepared By:

7-15-08
(Date)

QA Review By:

7/15/08
(Date)

ANALYTICAL RESULTS

Substance: A3525

Sample ID: 07PP8328-00003

Proximate (%)			
Moisture	8.52	Fatty Acids (%)	
Protein	47.3	8:0 Caprylic	<0.00100
Total Fat	0.456	10:0 Capric	<0.00100
Ash	6.19	12:0 Lauric	<0.00100
		14:0 Myristic	<0.00100
Acid Detergent Fiber (%)	5.44	14:1 Myristoleic	<0.00100
Neutral Detergent Fiber (%)	7.10	15:0 Pentadecanoic	<0.00100
Crude Fiber (%)	4.14	15:1 Pentadecenoic	<0.00100
Lectin (H.U./mg)	<0.10	16:0 Palmitic	0.0549
Trypsin Inhibitor (TIU/mg)	2.78	16:1 Palmitoleic	<0.00100
Phytic Acid (%)	1.17	17:0 Heptadecanoic	<0.00100
		17:1 Heptadecenoic	<0.00100
Minerals (ppm)		18:0 Stearic	0.0175
Calcium	2760	18:1 Oleic	0.0727
Copper	11.3	18:2 Linoleic	0.217
Iron	74.1	18:3 Gamma Linolenic	<0.00100
Magnesium	2810	18:3 Linolenic	0.0438
Manganese	29.9	18:4 Octadecatetraenoic	NA
Molybdenum	< 2.00	20:0 Arachidic	0.00128
Phosphorus	6860	20:1 Eicosenoic	<0.00100
Potassium	22000	20:2 Eicosadienoic	<0.00100
Sodium	< 100	20:4 Arachidonic	<0.00100
Zinc	52.6	20:3 Eicosatrienoic	<0.00100
		20:5 Eicosapentaenoic	NA
Sulfur (%)	0.493	22:0 Behenic	0.00141
Selenium (ppm)	1040	22:1 Erucic	NA
Chloride (%)	0.0393	22:5 Docosapentaenoic	NA
Pesticides (ppm)		24:0 Lignoceric	NA
Organophosphates	< 0.0500	22:6 Docosahexaenoic	NA
Organonitrogens	< 0.500		
Organochlorinated	< 0.200		
N-Methylcarbamates	< 0.100		
Amino Acids (mg/g)		Amino Acids (mg/g) cont'd	
Aspartic Acid	53.0	Leucine	35.9
Threonine	18.0	Tyrosine	14.6
Serine	24.7	Phenylalanine	23.8
Glutamic Acid	86.2	Lysine	29.4
Proline	24.0	Histidine	12.3
Glycine	20.1	Arginine	34.9
Alanine	20.4	Tryptophan	6.13
Cystine	6.63		
Valine	22.4		
Methionine	6.80		
Isoleucine	21.1		
NA=Not applicable			

ANALYTICAL RESULTS

Substance: A3525

Sample ID: 07PP8328-00003

Mycotoxins		LoD		LoD	
Aflatoxin B1	ND	1.0 ppb	Fusarenon X	ND	0.5ppm
Aflatoxin B2	ND	1.0 ppb	Deoxynivalenol	ND	0.1ppm
Aflatoxin G1	ND	1.0 ppb	15 Acetyl-DON	ND	0.1ppm
Aflatoxin G2	ND	1.0 ppb	3 Acetyl-DON	ND	0.1ppm
Ochratoxin A	ND	4 ppb	Nivalenol	ND	0.5ppm
T-2 Toxin	ND	0.1ppm	Zearalenone	ND	100 ppb
HT-2 Toxin	ND	0.1ppm	Fumonisin B1	ND	0.2 ppm
Diacetoxyscirpenol	ND	0.3ppm	Fumonisin B2	ND	0.2 ppm
Neosolaniol	ND	0.1ppm	Fumonisin B3	ND	0.2 ppm
Citrinin	ND	267 ppb			
LoD = Limit of Detection					
ND = non-detectable					

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX C

Analysis of Nutritional Components and Environmental Contaminants of Rodent Diets
Containing MON 87769 Soybean Meal (Covance Laboratories)



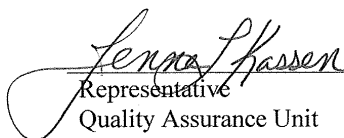
Final Sub-Report

Analytical Study Title	Analyses of Nutritional Components and Environmental Contaminants of Rodent Diets Containing Processed Meal from MON 87769 Soybeans
Sponsor	Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167
Study Director	Jeannie B. Kirkpatrick, M.S. WIL Research Laboratories, LLC
Compositional Analyses Testing Facility	Covance Laboratories Inc. 3301 Kinsman Blvd. Madison, WI 53704
Covance Principal Investigator	Kathleen D. Miller
WIL Study Number	WIL-50333
Monsanto Study Number	WI-2007-068
Covance Study Number	6103-710
Sub-Report Issued	19 August, 2008
Page Number	1 of 19

QUALITY ASSURANCE STATEMENT

This report has been reviewed by the Quality Assurance Unit of Covance Laboratories Inc. and accurately reflects the raw data. The following study specific inspections were conducted and findings reported to the principal investigator (PI), study director (SD), and associated management.

Inspection Dates		Phase	Date Reported to PI and PI Management	Date Reported to SD and SD Management
From	To			
07 Sep 2007	10 Sep 2007	Analytical Chemistry	10 Sep 2007	10 Sep 2007
03 Oct 2007	10 Oct 2007	Draft Report and Data Review	10 Oct 2007	23 Oct 2007
12 Oct 2007	12 Oct 2007	Revised Draft Report and Data Review	12 Oct 2007	23 Oct 2007
15 Aug 2008	15 Aug 2008	Revised Draft Report Review	15 Aug 2008	19 Aug 2008



Representative
Quality Assurance Unit

19 Aug 08

Date

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STUDY IDENTIFICATION

Analyses of Nutritional Components and Environmental Contaminants of Rodent Diets
Containing Processed Meal from MON 87769 Soybeans

Test Substance:
MON 87769

Monsanto Study Number:
WI-2007-068

Sponsor Study Title:
A 90-Day Feeding Study in Rats with
Processed Meal from MON 87769 Soybeans

Sponsor:
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, MO 63167

Study Director:
Jeannie B. Kirkpatrick, M.S.
Staff Toxicologist
Phone: 419.289.8700
Fax: 419.289.3650
e-mail: jkirkpatrick@wilresearch.com

Testing Facility:
WIL Research Laboratories, LLC
1407 George Road
Ashland, OH 44805-9281

Study Monitor:
Joan K. Lemen, M.S., D.A.B.T.
Phone: 314.694.4159
Fax: 314.694.8575
E-mail: joan.k.lemen@monsanto.com

Compositional Analysis Testing Facility:
Covance Laboratories Inc.
3301 Kinsman Blvd.
Madison, WI 53704

Covance 6103-710
Monsanto WI-2007-068

Page 4 of 19

Covance Principal Investigator:

Kathleen D. Miller
Covance Laboratories Inc.
Phone: 608.310.8201
Fax: 608.310.8200
e-mail: kathy.miller@covance.com

Study Timetable

Study Initiation Date:	07 August, 2007
Study Completion Date:	19 August, 2008

COVANCE KEY PERSONNEL

Food and Drug Analysis

Marlo M. Vasquez
Vice President and General Manager

Douglas J. Winters
Associate Director

Matthew L. Breeze
Manager

Andrew J. Kohn
Manager

Sharon M. McKilligin
Manager

Kathleen D. Miller
Principal Investigator

Judy M. Santos
Study Coordinator

Luke M. Muschinske
Supervisor **Proximate Chemistry**

Donald F. Labno
Supervisor **Sample Preparation**

Jeffrey E. Maly
Supervisor **Inorganic Chemistry**

Lynn M. Olstadt
Supervisor **Sample Management**

Nathan J. Paske
Supervisor **Food Packaging and Food Safety**

Erin A. Meinholz
Supervisor **Lipid Chemistry**

Timothy H. Valley
Manager **Quality Assurance Unit**

INTRODUCTION

The purpose of this portion of the study was to complete analyses of nutritional components and environmental contaminants of rodent diets prepared with processed soybean meal from MON 87769 for use in Monsanto Study WI-2007-068.

REGULATORY COMPLIANCE

This portion of the study was conducted in compliance with the Environmental Protection Agency (EPA) Good Laboratory Practice Standards, 40 CFR 160, with the following exceptions:

1. Reference standards (if applicable) were not listed in the protocol but are listed in the sub-report, were not characterized according to GLP standards, and no reserve samples were retained from each batch.
2. The stability of the test and control substances, and the stability, homogeneity and verification of the test and control substances in the diets were not verified analytically; however, that was not within the stated purpose of this portion of the study as defined by the protocol.

These exceptions had no effect on the integrity or quality of the study.

TEST, CONTROL AND REFERENCE SUBSTANCES

Identification

Test Substance

The test substance was processed meal from MON 87769 soybeans. The test substance, identified as follows, was formulated into rodent diets:

Test Substance	Lot Number	Unique ID
MON 87769	GLP-0604-17267-S	07PP8328-00002

Control Substance

The control substance was a processed meal from conventional soybean product A3525. The control substance, identified as follows, was formulated into rodent diet:

Control Substance	Lot Number	Unique ID
A3525	GLP-0604-17278-S	07PP8328-00003

Reference Substances

There were no reference substances identified in this study protocol.

Appropriate reference standards were used in each assay for the analytical procedures and equipment calibrations. See Appendix A for reference standard identification (if applicable).

Storage/Retention

Upon receipt the diet samples were stored in a freezer set to maintain $-20^{\circ} \pm 10^{\circ}\text{C}$. The residual diet samples will be discarded by Covance with authorization from the Study Monitor. Reference standards were stored according to vendor specifications.

Reserve Samples

Reserve samples of the test and control diets were the responsibility of the Sponsor.

SAFETY PRECAUTIONS

Safety precautions were taken as outlined in the Environmental, Health, and Safety section of the Covance Policies and Procedures Manual.

SAMPLE RECEIPT AND HANDLING

The diet samples were entered into the Covance Laboratory Information Management System (LIMS) with unique LIMS numbers. Each Monsanto sample identification was matched with the Covance LIMS information.

CONTROL OF BIAS

The samples were treated identically to minimize assay bias.

PROCEDURES

This study was conducted in accordance with Monsanto Study Number WI-2007-068. See Appendix A for a summary of the analytical methods referenced by the method mnemonic.

The following analyses were performed on the diet samples:

Analyte	Method Mnemonic
Aflatoxins	AHMF
Arsenic, Cadmium, Lead, Mercury, Selenium	MS4
Crude fiber	CFIB
Minerals: Calcium, Phosphorus	ICPS
Pesticide Profile	OPCL
Proximates: Ash	ASHM
Fat	FAAH
Moisture	M100
Protein	PGEN

This study used approved analytical methods to complete analyses of nutrients and environmental contaminants of rodent diets. The samples were analyzed singly unless otherwise determined by Covance methods and/or SOPs. A minimum frequency of 10% quality control samples (duplicates, recoveries, certified reference standards, blanks, or validated control samples) were prepared and analyzed at Covance. Appropriate standards were used in each assay as reference standards for the analytical procedures or calibration of equipment. Re-analyses were performed as determined by Covance methods and/or SOPs. When re-analyses were deemed necessary, documentation and justification were provided in the raw data.

STATISTICAL METHODS

There were no statistical evaluations performed on the final tabulated results by Covance.

MAJOR COMPUTER SYSTEMS

The major computer systems used on this portion of the study may have included, but were not limited to, the following systems:

- Balance Application (balance weight capture system)
- Laboratory Information Management System (sample and assay tracking)
- Metasys or REES Centron (monitor and document storage conditions for test/control/reference materials and samples, if applicable)
- eNotes (official study communication)

- Waters Empower[®] Chromatography Manager (data acquisition and result calculation system)
- ICP WinLab32 (ICP spectrometry)

MAINTENANCE OF RAW DATA AND RECORDS

All data relating to or generated by this portion of the project, including (if applicable) a copy of the protocol and amendments, a copy of the analytical sub-report, results, laboratory notebooks and any other information or records relating to this portion of the project will be retained in the archives of Covance in accordance with EPA 40 CFR Part 160. The data will be returned to Monsanto Company, upon request by the sponsor. Electronic data collected at Covance Laboratories Inc. using Empower[®] software will be stored on duplicate compact discs (CDs). One of the CDs will be stored in the archives at Covance Laboratories Inc. The second CD will be transferred to the archives at Monsanto Company in St. Louis, Missouri. Supporting records that will be retained at Covance, but will not be archived with the study data, include:

1. Instrument calibration and maintenance records
2. Storage temperature records
3. Training records of study personnel
4. Durable media records
5. Standard Operating Procedures
6. Standard logbooks
7. Certificates of Analysis for reference standards

RESULTS

The results for all diet analyses are presented in Table 1. All of the results were on a fresh-weight basis and were deemed acceptable.

[®] Empower is a registered trademark of Waters Corporation

SIGNATURE

Kathleen D. Miller
Kathleen D. Miller
Principal Investigator
Covance Laboratories Inc.

17 Aug 08
Date

Table 1
Nutritional Components and Environmental
Contaminants of Rodent Diets

	Group 1	Group 2	Group 3
Treatment	A3252 Control	MON 87769 5%	MON 87769 15%
Covance LIMS #	70811166	70811167	70811168
Proximate (%)			
Moisture	9.71	9.69	9.93
Protein	19.5	19.4	20.9
Total Fat	5.17	5.21	5.05
Ash	5.44	5.86	6.02
Crude Fiber (%)	4.21	4.14	4.55
Minerals (ppm)			
Calcium	8710	8780	8570
Phosphorus	5970	6010	5580
Heavy Metals (ppb)			
Arsenic	284	267	270
Cadmium	64.4	53.4	60.7
Lead	171	168	161
Mercury	11.8	< 10.0	12.3
Selenium	511	525	523
Aflatoxins (ppb)			
B ₁	< 0.5	< 0.5	< 0.5
B ₂	< 0.5	< 0.5	< 0.5
G ₁	< 0.5	< 0.5	< 0.5
G ₂	< 0.5	< 0.5	< 0.5

Table 1
Nutritional Components and Environmental
Contaminants of Rodent Diets

Treatment	Group 1	Group 2	Group 3
Covance LIMS #	A3252 Control	MON 87769 5%	MON 87769 15%
	70811166	70811167	70811168
Organochlorinated			
Screen (ppb)			
Tecnazene	< 12.5	< 12.5	< 12.5
HCB	< 6.50	< 6.50	< 6.50
Alpha-BHC	< 12.5	< 12.5	< 12.5
Propyzamide	< 25.0	< 25.0	< 25.0
DCNA	< 18.5	< 18.5	< 18.5
PCNB	< 10.0	< 10.0	< 10.0
Gamma-BHC	< 12.5	< 12.5	< 12.5
Beta-BHC	< 12.5	< 12.5	< 12.5
Heptachlor	< 12.5	< 12.5	< 12.5
Chlorothalonil	< 12.5	< 12.5	< 12.5
Delta-BHC	< 12.5	< 12.5	< 12.5
Vinclozolin	< 25.0	< 25.0	< 25.0
Aldrin	< 12.5	< 12.5	< 12.5
DCPA	< 18.5	< 18.5	< 18.5
Heptachlor Epoxide	< 12.5	< 12.5	< 12.5
Endosulfan I	< 12.5	< 12.5	< 12.5
Dieldrin	< 12.5	< 12.5	< 12.5
Captan	< 50.0	< 50.0	< 50.0
Folpet	< 31.5	< 31.5	< 31.5
P,P'-DDE	< 12.5	< 12.5	< 12.5
Endrin	< 18.5	< 18.5	< 18.5
Oxadiazon	< 37.5	< 37.5	< 37.5
Endosulfan II	< 18.5	< 18.5	< 18.5
P,P'-DDD	< 18.5	< 18.5	< 18.5
P,P'-DDT	< 25.0	< 25.0	< 25.0
Endosulfan Sulfate	< 18.5	< 18.5	< 18.5
Captafol	< 31.5	< 31.5	< 31.5
Dicofol	< 31.5	< 31.5	< 31.5
Mirex	< 12.5	< 12.5	< 12.5
Tetradifon	< 18.5	< 18.5	< 18.5
Methoxychlor	< 31.5	< 31.5	< 31.5
Permethrin	< 62.5	< 62.5	< 62.5
Cypermethrin	< 94.0	< 94.0	< 94.0
Toxaphene	< 625	< 625	< 625
Arochlor 1254	< 250	< 250	< 250
Technical Chlordane	< 50.0	< 50.0	< 50.0

Table 1
Nutritional Components and Environmental
Contaminants of Rodent Diets

Treatment	Group 1	Group 2	Group 3
Covance LIMS #	A3252 Control	MON 87769 5%	MON 87769 15%
	70811166	70811167	70811168
Organophosphate			
Screen (ppb)			
Vapona	< 15.0	< 15.0	< 15.0
Methamidophos	< 15.0	< 15.0	< 15.0
Mevinphos	< 25.0	< 25.0	< 25.0
Acephate	< 40.0	< 40.0	< 40.0
Omethoate	< 35.0	< 35.0	< 35.0
Thimet	< 20.0	< 20.0	< 20.0
Demeton-S	< 25.0	< 25.0	< 25.0
Fonofos	< 25.0	< 25.0	< 25.0
Diazinon	< 20.0	< 20.0	< 20.0
Disulfoton	< 25.0	< 25.0	< 25.0
Dimethoate	< 20.0	< 20.0	< 20.0
Propetamphos	< 30.0	< 30.0	< 30.0
Dichlofenthion	< 30.0	< 30.0	< 30.0
Chlorpyrifos-Methyl	< 20.0	< 20.0	< 20.0
Ronnel	< 25.0	< 25.0	< 25.0
Parathion-Methyl	< 25.0	< 25.0	< 25.0
Pirimiphos-Methyl	< 25.0	< 25.0	< 25.0
Chlorpyrifos-Ethyl	< 25.0	< 25.0	< 25.0
Fenitrothion	< 25.0	< 25.0	< 25.0
Malathion	< 20.0	< 20.0	< 20.0
Parathion-Ethyl	< 30.0	< 30.0	< 30.0
Chlorfenvinphos	< 40.0	< 40.0	< 40.0
Methidathion	< 30.0	< 30.0	< 30.0
Prothiophos	< 30.0	< 30.0	< 30.0
Ethion	< 20.0	< 20.0	< 20.0
Trithion	< 30.0	< 30.0	< 30.0
Phosmet	< 35.0	< 35.0	< 35.0
EPN	< 40.0	< 40.0	< 40.0
Azinphos-Methyl	< 40.0	< 40.0	< 40.0
Phosalone	< 40.0	< 40.0	< 40.0
Coumaphos	< 50.0	< 50.0	< 50.0

APPENDIX A
Analytical Method Summaries and Reference Standards

ANALYTICAL METHOD SUMMARIES AND REFERENCE STANDARDS

Aflatoxins (AHMF)

Aflatoxins were extracted from samples with a polar solvent/water solution using a high-speed blender. Sample cleanup was performed with antibody affinity solid phase extraction. Analysis was performed with high-performance liquid chromatography equipped with post-column derivatization and fluorescence detection. The limit of quantitation for aflatoxins was 0.5 ppb.

Reference Standards:

Biopure Aflatoxin B1, 100 %, Lot Number L07184B

Biopure Aflatoxin B2, 100 %, Lot Number L07184C

Biopure Aflatoxin G1, 100 %, Lot Number L07184D

Biopure Aflatoxin G2, 100 %, Lot Number L07184A

Reference:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 991.31 and 990.33, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

Ash (ASHM)

The sample was placed in an electric furnace at 550°C and ignited to drive off all volatile organic matter. The nonvolatile matter remaining was quantitated gravimetrically and calculated to determine percent ash. The limit of quantitation for this study was 0.100%.

Reference:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

Crude Fiber (CFIB)

Crude fiber was quantitated as the loss on ignition of dried residue remaining after digestion of the sample with 1.25% sulfuric acid and 1.25% sodium hydroxide solutions under specific conditions. The limit of quantitation for this study was 0.100%.

Reference:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 962.09, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

Fat by Acid Hydrolysis (FAAH)

The sample was hydrolyzed with hydrochloric acid at an elevated temperature. The fat was extracted using ether and hexane. The extract was evaporated under nitrogen, re-dissolved in hexane and filtered through a sodium sulfate column. The hexane extract was then evaporated again under nitrogen, dried, and weighed. The limit of quantitation for this study was 0.100%.

Reference:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, Maryland, (2005).

ICP Emission Spectrometry (ICPS)

The sample was dried, precharred, and ashed overnight in a muffle set to maintain 500°C. The ashed sample was treated with nitric and hydrochloric acids, taken to dryness, and put into a solution of 5% hydrochloric acid. The amount of each element was determined at appropriate wavelengths by comparing the emission of the unknown sample, measured on the inductively coupled plasma spectrometer, with the emission of the standard solutions.

Inorganic Ventures / IV Labs Reference Standards and Limits of Quantitation:

Mineral	Lot Numbers	Concentration (µg/ml)	Limit of Quantitation (ppm)
Calcium	A2-MEB237096, A2-MEB237098	200, 1000	20.0
Phosphorus	A2-MEB237096, A2-MEB237098	200, 1000	20.0

References:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 984.27 and 985.01, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

Dahlquist, R. L., and Knoll, J. W., "Inductively Coupled Plasma-Atomic Emission Spectrometry: Analysis of Biological Materials and Soils for Major, Trace, and Ultra Trace Elements," *Applied Spectroscopy*, 32:1-29, (1978).

ICP-Mass Spectrometry (MS4)

The sample was wet-ashed with nitric acid using microwave digestion. Using inductively coupled plasma mass spectrometry, the amount of each element was determined by comparing the counts generated by the unknowns to those generated by standard solutions of known concentrations.

Spex CertiPrep Reference Standards and Limits of Quantitation:

Mineral	Lot Numbers	Concentration (mg/L)	Limit of Quantitation (ppb)
Arsenic	8-175VY	99.7	10
Cadmium	8-175VY	98.5	10
Lead	8-175VY	98.9	10
Mercury	CL3-148HG	10.00	10
Selenium	12-150SE	1000	50

References:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 993.14, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

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EPA Method 200.8, *Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry*, (1994).

Cabrera, C., Gallego, C., Lopez, M.C., Lorenzo, M. L., and Lillo, E., "Determination of Levels of Lead Contamination in Food and Feed Crops", *Journal of AOAC International*, Volume 77(5):1249-1252, (1994).

EPA *Methods for Chemical Analysis of Water and Wastes*, Metals 1-19 and Method 239, (1983).

Moisture (M100)

The sample was dried in a vacuum oven at approximately 100°C to a constant weight. The moisture weight loss was determined and converted to percent moisture. The limit of quantitation for this study was 0.100%.

Reference:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 926.08 and 925.09, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

Protein (PGEN)

Nitrogenous compounds in the sample were reduced in the presence of boiling sulfuric acid and a mercury catalyst mixture to form ammonia. The acid digest was made alkaline. The ammonia was distilled and then titrated with a previously standardized acid. The percent nitrogen was calculated and converted to protein using the factor 6.25. The limit of quantitation for this study was 0.100%.

References:

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 955.04 and 979.09, AOAC INTERNATIONAL: Gaithersburg, Maryland, (2005).

Bradstreet, R. B., *The Kjeldahl Method for Organic Nitrogen*, Academic Press: New York, New York, (1965).

Kalchhoff, I. M., and Sandell, E. B., *Quantitative Inorganic Analysis*, MacMillan: New York, (1948).

Organophosphates and Chlorinated Insecticides (OPCL)

The sample was extracted with ethyl acetate, concentrated, and cleaned up with gel permeation chromatography. For organophosphate insecticides, the sample was injected on a gas chromatography (GC) system. Florisil column chromatography was used to clean up the chlorinated insecticides. The sample was concentrated and injected on a GC system. The limits of quantitation for this study were equivalent to the reported less than values for each compound.

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Reference Standards:

Restek Organochlorinated Pesticide, 97-99%, Lot Number A049024
Restek Organophosphorus Pesticides, 89-99%, Lot Number A049015
Chemservice, Toxaphene, Purity = mix of isomers*, Lot Number 352-82B
Chemservice, Technical Chlordane, Purity = mix of isomers*, Lot Number 360-67A
Chemservice, Arochlor 1254, Purity = mix of isomers*, Lot Number 377-35B

* Purity assumed at 100%. Actual purity is a mix of isomers %. Analysis of a solution of this product at a fixed concentration shows a fingerprint pattern exclusive to and characteristic of this product.

References:

Pesticide Analytical Manual, Volume 1: Multiresidue Methods, 3rd Ed., Food and Drug Administration, (1999).

Hopper, M. L. and Griffitt, K. R., "Evaluation of an Automated Permeation Cleanup and Evaporation Systems for Determining Pesticides Residues in Fatty Samples," *Journal of the Association of Official Analytical Chemists*, 70(4):724-726, (1987).

Griffitt, K. R., Hampton D. C., and Sisk, R. L., "Miniaturized Florisil Column Cleanup of Chlorinated and Organophosphate Eluates in Total Diet Samples," *Laboratory Information Bulletin*, No. 2722, (1983).

Griffitt, K. R. and Craun, J. C., "Gel Permeation Chromatographic System: An Evaluation," *Journal of the Association of Official Analytical Chemists*, 57(1):168-172, (1974).

Erney, D. R., "A Feasibility Study of Miniature Florisil Columns for the Separation of Some Chlorinated Pesticides," *Bulletin of Environmental Contamination and Toxicology*, 12(6): 717-720, (1974).

Watts, R. R., and Storherr, R. W., "Rapid Extraction Method for Crops," *Journal of the Association of Official Agricultural Chemists*, 48(6):1158-1160, (1965).

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX D

Review Of Compositional And Pesticide Analysis Results (Purina Mills, Inc.)



March 26, 2008

Joan Lemen
Study Monitor
Monsanto Company
O3D Tele: 314.694.4159
St.Louis, MO

Dear Joan:

I have reviewed the analytical information from the following:

Covance	WIL
6103-710	WIL-50333

Based upon the environmental pollutant criteria we follow for Certified LabDiet®, all of the diets should be capable of certification, with the exception of selenium. Selenium in the profile has a maximum of 0.50 ppm and the analytical reports show selenium as high as 0.525. Evidently, the laboratory assay reports run higher than the laboratory we normally use because the 5002 Certified Rodent used as the Control assayed at 0.511 ppm. None of these levels would be detrimental to the rodents receiving the diet.

All of the nutrient determinations are within the profile set for Certified LabDiet® with the exception of crude protein. The minimum level for crude protein is 20.0% and the diets in this experiment analyzed from 19.4-20.9 on an as fed basis. If converted to a 100% dry matter basis, all of them would be above the 20% minimum. The values analyzed could easily be within analytical variance, so nothing detrimental would arise from feeding the diets with the reported crude protein contents.

With the two minor exceptions noted above, the diets would meet certification.

The certification profile is shown below:

Certified LabDiet® Profile

Based on analysis of a composite sample, each Certified LabDiet® product contains not more than these maximum concentrations of the following substances:

Heavy Metals	Maximum Concentration	Malathion	.5 ppm
Arsenic	1.0 ppm	Methyl Parathion	.5 ppm
Cadmium	.5 ppm	Parathion (Ethyl)	.5 ppm
Lead	1.5 ppm	Thimet	.5 ppm
Mercury	.2 ppm	Thiodan ¹	.5 ppm
Selenium	.5 ppm	Trithion	.5 ppm

¹ Expresses the total of endosulfan II and endosulfan sulfate
Last updated on 05/10/00

Aflatoxin 5 ppb

Chlorinated Hydrocarbons

Aldrin	.03 ppm
BHC (Alpha)	.05 ppm
BHC (Beta)	.05 ppm
BHC (Delta)	.05 ppm
Chlordane	.05 ppm
DDT Related substances	.15 ppm
Dieldrin	.03 ppm
Endrin	.03 ppm
HCB	.05 ppm
Heptachlor	.03 ppm
Heptachlor Epoxide	.03 ppm
Lindane	.05 ppm
Methoxychlor	.5 ppm
Mirex	.02 ppm
PCB	.15 ppm

Organophosphates

Diazinon	.5 ppm
Disulfaton	.5 ppm
Ethion	.5 ppm



Dorrance Haught, Ph.D.
Technical Services Manager, Lab
Purina Mills, LLC
St. Louis, MO

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX E
Pretest Clinical Observations

PROJECT NO.:WIL-50333P
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

PRETEST CLINICAL OBSERVATIONS
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 1

----- M A L E -----

TABLE RANGE: 09-26-07 TO 10-03-07
GROUP: 1

NORMAL

-NO SIGNIFICANT CLINICAL OBSERVATIONS

139/70

BODY/INTEG II

-SCABBING VENTRAL NECK

1/ 1

1- PRETEST

PROJECT NO.:WIL-50333P
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

PRETEST CLINICAL OBSERVATIONS
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

PAGE 2

----- F E M A L E -----

TABLE RANGE: 09-26-07 TO 10-03-07
GROUP:

1

NORMAL

-NO SIGNIFICANT CLINICAL OBSERVATIONS

140/70

1- PRETEST

PCSUV4.07
03/04/2008

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX F

Animal Room Environmental Conditions

PROJECT NO.:WIL- 50333
SPONSOR: MONSANTO COMPANY

A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - DAILY SUMMARY REPORT BY STUDY

PAGE 1

STUDY SPECIFICATIONS: 50333 DATE IN: 09/18/07 TIME IN: 7:00
DATE OUT: 01/04/08 TIME OUT: 16:00
ROOM SPECIFICATIONS: B ROOM 49 LOW TEMPERATURE °F: 66.0 HIGH TEMPERATURE °F: 76.0 LOW HUMIDITY: 30.0
SPECIES: RAT LOW TEMPERATURE °C: 18.9 HIGH TEMPERATURE °C: 24.4 HIGH HUMIDITY: 70.0

DATE	TEMPERATURE		HUMIDITY
	MEAN (°F)	MEAN (°C)	MEAN (%RH)
18-Sep-07	70.5	21.4	52.6
19-Sep-07	70.4	21.3	53.3
20-Sep-07	70.7	21.5	53.9
21-Sep-07	70.2	21.2	53.9
22-Sep-07	70.5	21.4	53.6
23-Sep-07	70.6	21.4	50.9
24-Sep-07	70.4	21.3	52.9
25-Sep-07	70.6	21.5	55.4
26-Sep-07	70.7	21.5	50.8
27-Sep-07	70.4	21.3	48.6
28-Sep-07	70.6	21.4	46.2
29-Sep-07	70.8	21.6	45.2
30-Sep-07	70.5	21.4	46.0
01-Oct-07	70.4	21.3	46.9
02-Oct-07	70.5	21.4	49.2
03-Oct-07	70.5	21.4	49.3
04-Oct-07	70.5	21.4	49.0
05-Oct-07	70.4	21.3	49.3
06-Oct-07	70.5	21.4	49.0
07-Oct-07	70.5	21.4	49.1
08-Oct-07	70.5	21.4	49.6
09-Oct-07	70.3	21.3	46.9
10-Oct-07	70.7	21.5	43.7

NOTE: + = VALUE WAS GREATER THAN HIGH RANGE
- = VALUE WAS LESS THAN LOW RANGE
NOTE: MEANS REPRESENT THE MEAN OF THE DAILY VALUES

REPORT 4
VERSION 1.09
3/5/2008 09:58

PROJECT NO.:WIL- 50333
SPONSOR: MONSANTO COMPANY

A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - DAILY SUMMARY REPORT BY STUDY

PAGE 2

STUDY SPECIFICATIONS: 50333 DATE IN: 09/18/07 TIME IN: 7:00
DATE OUT: 01/04/08 TIME OUT: 16:00
ROOM SPECIFICATIONS: B ROOM 49 LOW TEMPERATURE °F: 66.0 HIGH TEMPERATURE °F: 76.0 LOW HUMIDITY: 30.0
SPECIES: RAT LOW TEMPERATURE °C: 18.9 HIGH TEMPERATURE °C: 24.4 HIGH HUMIDITY: 70.0

DATE	TEMPERATURE		HUMIDITY
	MEAN (°F)	MEAN (°C)	MEAN (%RH)
11-Oct-07	70.4	21.4	45.2
12-Oct-07	70.6	21.5	44.6
13-Oct-07	70.5	21.4	44.4
14-Oct-07	70.3	21.3	44.7
15-Oct-07	70.6	21.5	46.6
16-Oct-07	70.7	21.5	50.0
17-Oct-07	70.3	21.3	48.8
18-Oct-07	70.6	21.4	49.1
19-Oct-07	70.5	21.4	47.8
20-Oct-07	70.6	21.4	45.3
21-Oct-07	70.4	21.3	45.1
22-Oct-07	70.5	21.4	46.5
23-Oct-07	70.4	21.3	49.6
24-Oct-07	70.6	21.5	45.8
25-Oct-07	70.5	21.4	45.5
26-Oct-07	70.6	21.4	48.7
27-Oct-07	70.5	21.4	47.3
28-Oct-07	70.6	21.5	45.6
29-Oct-07	70.6	21.4	45.8
30-Oct-07	70.4	21.3	45.6
31-Oct-07	70.4	21.3	45.8
01-Nov-07	70.5	21.4	45.6
02-Nov-07	70.5	21.4	45.9

NOTE: + = VALUE WAS GREATER THAN HIGH RANGE
- = VALUE WAS LESS THAN LOW RANGE
NOTE: MEANS REPRESENT THE MEAN OF THE DAILY VALUES

REPORT 4
VERSION 1.09
3/5/2008 09:58

PROJECT NO.:WIL- 50333
SPONSOR: MONSANTO COMPANY

A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - DAILY SUMMARY REPORT BY STUDY

PAGE 3

STUDY SPECIFICATIONS: 50333 DATE IN: 09/18/07 TIME IN: 7:00
DATE OUT: 01/04/08 TIME OUT: 16:00
ROOM SPECIFICATIONS: B ROOM 49 LOW TEMPERATURE °F: 66.0 HIGH TEMPERATURE °F: 76.0 LOW HUMIDITY: 30.0
SPECIES: RAT LOW TEMPERATURE °C: 18.9 HIGH TEMPERATURE °C: 24.4 HIGH HUMIDITY: 70.0

DATE	TEMPERATURE		HUMIDITY
	MEAN (°F)	MEAN (°C)	MEAN (%RH)
03-Nov-07	70.6	21.5	45.2
04-Nov-07	70.5	21.4	45.3
05-Nov-07	70.5	21.4	45.6
06-Nov-07	70.5	21.4	44.9
07-Nov-07	70.5	21.4	45.3
08-Nov-07	70.6	21.4	42.7
09-Nov-07	70.5	21.4	45.1
10-Nov-07	70.6	21.5	45.2
11-Nov-07	70.6	21.4	45.7
12-Nov-07	70.2	21.2	48.4
13-Nov-07	70.6	21.4	46.7
14-Nov-07	70.4	21.4	48.9
15-Nov-07	70.5	21.4	45.7
16-Nov-07	70.5	21.4	45.4
17-Nov-07	70.6	21.4	45.9
18-Nov-07	70.5	21.4	45.5
19-Nov-07	70.6	21.5	45.2
20-Nov-07	70.6	21.4	51.9
21-Nov-07	70.5	21.4	51.1
22-Nov-07	70.6	21.5	44.9
23-Nov-07	70.6	21.5	44.3
24-Nov-07	70.6	21.4	44.3
25-Nov-07	70.2	21.2	44.5

NOTE: + = VALUE WAS GREATER THAN HIGH RANGE
- = VALUE WAS LESS THAN LOW RANGE
NOTE: MEANS REPRESENT THE MEAN OF THE DAILY VALUES

REPORT 4
VERSION 1.09
3/5/2008 09:58

PROJECT NO.:WIL- 50333
SPONSOR: MONSANTO COMPANY

A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - DAILY SUMMARY REPORT BY STUDY

PAGE 4

STUDY SPECIFICATIONS: 50333 DATE IN: 09/18/07 TIME IN: 7:00
DATE OUT: 01/04/08 TIME OUT: 16:00
ROOM SPECIFICATIONS: B ROOM 49 LOW TEMPERATURE °F: 66.0 HIGH TEMPERATURE °F: 76.0 LOW HUMIDITY: 30.0
SPECIES: RAT LOW TEMPERATURE °C: 18.9 HIGH TEMPERATURE °C: 24.4 HIGH HUMIDITY: 70.0

DATE	TEMPERATURE		HUMIDITY
	MEAN (°F)	MEAN (°C)	MEAN (%RH)
26-Nov-07	70.4	21.4	44.9
27-Nov-07	70.4	21.3	44.8
28-Nov-07	70.5	21.4	44.6
29-Nov-07	70.4	21.3	46.0
30-Nov-07	70.6	21.4	44.7
01-Dec-07	70.6	21.4	44.6
02-Dec-07	70.4	21.3	45.6
03-Dec-07	70.7	21.5	44.8
04-Dec-07	70.6	21.4	44.8
05-Dec-07	70.5	21.4	44.6
06-Dec-07	70.5	21.4	44.6
07-Dec-07	70.6	21.4	44.5
08-Dec-07	70.5	21.4	44.5
09-Dec-07	70.5	21.4	44.6
10-Dec-07	70.4	21.4	44.6
11-Dec-07	70.5	21.4	48.5
12-Dec-07	70.5	21.4	44.2
13-Dec-07	70.4	21.4	44.7
14-Dec-07	70.6	21.5	44.4
15-Dec-07	70.2	21.2	43.9
16-Dec-07	70.4	21.3	44.7
17-Dec-07	70.5	21.4	44.0
18-Dec-07	70.5	21.4	44.0

NOTE: + = VALUE WAS GREATER THAN HIGH RANGE
- = VALUE WAS LESS THAN LOW RANGE
NOTE: MEANS REPRESENT THE MEAN OF THE DAILY VALUES

REPORT 4
VERSION 1.09
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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - DAILY SUMMARY REPORT BY STUDY

PAGE 5

STUDY SPECIFICATIONS: 50333 DATE IN: 09/18/07 TIME IN: 7:00
DATE OUT: 01/04/08 TIME OUT: 16:00
ROOM SPECIFICATIONS: B ROOM 49 LOW TEMPERATURE °F: 66.0 HIGH TEMPERATURE °F: 76.0 LOW HUMIDITY: 30.0
SPECIES: RAT LOW TEMPERATURE °C: 18.9 HIGH TEMPERATURE °C: 24.4 HIGH HUMIDITY: 70.0

DATE	TEMPERATURE		HUMIDITY
	MEAN (°F)	MEAN (°C)	MEAN (%RH)
19-Dec-07	70.5	21.4	44.3
20-Dec-07	70.5	21.4	44.0
21-Dec-07	70.4	21.3	43.7
22-Dec-07	70.6	21.5	43.9
23-Dec-07	70.6	21.5	44.4
24-Dec-07	70.5	21.4	43.0
25-Dec-07	70.8	21.6	43.6
26-Dec-07	70.4	21.3	43.3
27-Dec-07	70.6	21.4	45.4
28-Dec-07	70.6	21.4	43.9
29-Dec-07	70.6	21.4	43.6
30-Dec-07	70.5	21.4	43.6
31-Dec-07	70.6	21.4	43.8
01-Jan-08	70.4	21.4	44.1
02-Jan-08	70.5	21.4	42.9
03-Jan-08	70.5	21.4	42.2
04-Jan-08	70.3	21.3	41.6

NOTE: + = VALUE WAS GREATER THAN HIGH RANGE
- = VALUE WAS LESS THAN LOW RANGE
NOTE: MEANS REPRESENT THE MEAN OF THE DAILY VALUES

REPORT 4
VERSION 1.09
3/5/2008 09:58

PROJECT NO.:WIL- 50333
SPONSOR: MONSANTO COMPANY

A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - DAILY SUMMARY REPORT BY STUDY

PAGE 6

STUDY SPECIFICATIONS: 50333 DATE IN: 09/18/07 TIME IN: 7:00
DATE OUT: 01/04/08 TIME OUT: 16:00
ROOM SPECIFICATIONS: B ROOM 49 LOW TEMPERATURE °F: 66.0 HIGH TEMPERATURE °F: 76.0 LOW HUMIDITY: 30.0
SPECIES: RAT LOW TEMPERATURE °C: 18.9 HIGH TEMPERATURE °C: 24.4 HIGH HUMIDITY: 70.0

DATE	TEMPERATURE		HUMIDITY
	MEAN (°F)	MEAN (°C)	MEAN (%RH)

GRAND STATS	MEAN	MIN	MAX
TEMPERATURE °F	70.5	70.2	70.8
TEMPERATURE °C	21.4	21.2	21.6
HUMIDITY (%RH)	46.3	41.6	55.4
N DAYS	109		

NOTE: + = VALUE WAS GREATER THAN HIGH RANGE
- = VALUE WAS LESS THAN LOW RANGE
NOTE: MEANS REPRESENT THE MEAN OF THE DAILY VALUES

REPORT 4
VERSION 1.09
3/5/2008 09:58

PROJECT NO.:WIL- 50333
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A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - END OF STUDY SUMMARY REPORT

9:58 05-Mar-08

PAGE 1

ROOM SPECIFICATIONS: B ROOM 49
SPECIES: RAT
LOW TEMPERATURE: 66.0 DATE IN: 09/18/07
HIGH TEMPERATURE: 76.0 TIME IN: 7:00
LOW HUMIDITY: 30.0 DATE OUT: 01/04/08
HIGH HUMIDITY: 70.0 TIME OUT: 16:00 TEMPERATURE HUMIDITY

ROOM B ROOM 49 SUMMARY

MEAN	70.5	46.3
MIN	69.2	24.1
MAX	72.8	66.4
SD	0.58	3.34
N SAMPLES	2597	2597
FIRST DAY	09/18/07	
LAST DAY	01/04/08	
N DAYS	109	

NOTE: TEMPERATURE UNITS = DEGREES FAHRENHEIT
HUMIDITY UNITS = % RELATIVE HUMIDITY
NOTE: MEANS REPRESENT THE MEAN OF ALL VALUES

REPORT 5
VERSION 1.10
3/5/2008 09:58

PROJECT NO.:WIL- 50333
SPONSOR: MONSANTO COMPANY

A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
TEMPERATURE/HUMIDITY - END OF STUDY SUMMARY REPORT

9:58 05-Mar-08

PAGE 2

STUDY 50333 SUMMARY

MEAN	70.5	46.3
MIN	69.2	24.1
MAX	72.8	66.4
SD	0.58	3.34
N SAMPLES	2597	2597
FIRST DAY	09/18/07	
LAST DAY	01/04/08	
N DAYS	109	

NOTE: TEMPERATURE UNITS = DEGREES FAHRENHEIT
HUMIDITY UNITS = % RELATIVE HUMIDITY
NOTE: MEANS REPRESENT THE MEAN OF ALL VALUES

REPORT 5
VERSION 1.10
3/5/2008 09:58

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX G
Unscheduled Clinical Observations

PROJECT NO.:WIL-50333U
SPONSOR:MONSANTO COMPANY
SPONSOR NO.:WI-2007-068

UNSCHEDULED CLINICAL OBSERVATIONS
A 90-DAY FEEDING STUDY IN RATS WITH MON 87769 SOYBEAN MEAL
INDIVIDUAL CLINICAL OBSERVATIONS

PAGE 1

STUDY DAYS: 0 THROUGH 90

ANIMAL SEX	GROUP	CATEGORY	STUDY DAY	TIME	GRADE	OBSERVATIONS
6393 M	5% TEST DIET	SPECIAL II	70	10:09 P		WATER BOTTLE ADDED- BODY WEIGHT LOSS

GRADE CODE: 1 - SLIGHT 2 - MODERATE 3 - SEVERE P - PRESENT

PCRDv4.11
03/04/2008

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX H

Clinical Pathology Methods, Procedures And References

CLINICAL PATHOLOGY METHODS, PROCEDURES AND REFERENCES

Serum Chemistry - Hitachi 912

Albumin - Bromcresol Green (BCG) Method, Modification of the Doumas reaction. Default unit: g/dL. Hitachi 912 Application Code 413. Roche Reagent, catalog number 11970569.

A/G Ratio - Calculated from Albumin and Globulin Results. Default unit: %.

Alkaline Phosphatase - based on the International Federation of Clinical Chemistry (IFCC) Method (Tietz *et al.* J Clin Chem Clin Biochem 1983; 21:731-748). Default unit: U/L. Hitachi 912 Application Code 158. Roche Reagent, catalog number 2172933.

Alanine Aminotransferase - Modification of the International Federation of Clinical Chemistry (IFCC) recommended method. Default unit: U/L. Hitachi 912 Application Code 706. Roche Reagent, catalog number 450065.

Aspartate Aminotransferase - Kinetic method based on the International Federation of Clinical Chemistry (IFCC) recommendations. Default unit: U/L. Hitachi 912 Application Code 713. Roche Reagent, catalog number 450064.

Bilirubin (Total) - Diazo method developed by Wahlefeld *et al.* Scand J Clin Lab Invest 1972; 29: Supplement 126. Default unit: mg/dL. Hitachi 912 Application Code 018. Roche Reagent, catalog number 1822730.

Blood Urea Nitrogen (BUN) - A urease-triggered methodology based upon the method of Talke and Schubert Klin Wschr, 1965; 43:174. Default unit: mg/dL. Hitachi 912 Application Code 427. Roche Reagent, catalog number 1489321.

Calcium - Modified method using a gamma-amino-butyric acid (GABA) buffer. Default unit: mg/dL. Hitachi 912 Application Code 180. Roche Reagent, catalog number 1125621.

Chloride - An ion-selective electrode that measures the electrical potential of the ions present in solution. Default unit: mEq/L. Hitachi 912 Application. Roche Reagent, catalog numbers 450043, 450042, and 450041.

Cholesterol - Enzymatic reaction as described by Trinder. Ann Clin Biochem 1974; 12:266. Default unit: mg/dL. Hitachi 912 Application Code 722. Roche Reagent, catalog number 450061.

Serum Chemistry - Hitachi 912 (continued)

Creatinine - Modified Jaffe reaction based on the work of Poper *et al.* Biochem Z 1937; 291:354, and Seelig and Wuest. Aerztl Labor 1969; 15:34. Default unit: mg/dL. Hitachi 912 Application Code 727. Roche Reagent, catalog number 450019.

Globulin - Calculation obtained by subtracting Albumin from Total Protein. Default unit: g/dL.

Glucose - Glucose hexokinase method based on the work of Schmidt, Peterson and Young. Klin Wschr 1961; 39:1244. Methods of Enzymatic Analysis, 2nd Eng ed. New York, Academic Press, 1974; 1196. Anal Biochemistry 1958; 23:301. Default unit: mg/dL. Hitachi 912 Application Code 767. Roche Reagent, catalog number 450058.

Phosphorus - Method involves the formation of ammonium phosphomolybdate. Default unit: mg/dL. Hitachi 912 Application Code 714. Roche Reagent, catalog number 1040898.

Potassium - An ion-selective electrode that measures the electrical potential of the ions present in solution. Default unit: mEq/L. Hitachi 912 Application. Roche Reagent, catalog numbers 450043, 450042, and 450041.

Sodium - An ion-selective electrode that measures the electrical potential of the ions present in solution. Default unit: mEq/L. Hitachi 912 Application. Roche Reagent, catalog number 450043, 450042, and 450041.

Total Protein - Endpoint biuret method that utilizes a sample blank. Default unit: g/dL. Hitachi 912 Application Code 756. Roche Reagent, catalog number 1040901.

Triglycerides - Method that utilizes lipase from a microorganism to promote rapid and complete hydrolysis of triglycerides to glycerol. Default unit: mg/dL. Hitachi 912 Application Code 781. Roche Reagent, catalog number 1488899.

Hematology - Manual Methods

White Cell Differential - Manual method of counting 100 white cells stained with Wright Giemsa and entered on-line into the data files.

Reticulocyte Count - Manual method of counting the reticulocytes present in 1000 red blood cells stained with New Methylene Blue and entered on-line into the data files.

Hematology - Manual Methods (continued)

Red Blood Cell Morphology - Manual method of evaluating red blood cells on a Wright Giemsa-stained slide and entered on-line into the data files.

Platelet Estimate- Manual method of evaluating platelets on a Wright Giemsa-stained slide. Platelet estimation is evaluated and entered on-line into the data files as decreased, adequate or increased. Platelet clumps present on the slide will be reported as part of the RBC morphology.

AMAX Destiny Amelung Coagulation

Mechanical (Ball Method) Measurement – Mechanical measurement methods depend on the physical formation of fibrin strands that attach to a moving mechanical device that either completes or opens an electrical circuit. The elapsed time from the addition of the starting reagent, up to the beginning of fibrin formation is measured.

Prothrombin Time (Protime-PT)/(PTM)- mechanical clot detection is used to measure and record the time required for plasma specimens to clot by adding an excess of thromboplastin reagent and an optional amount of calcium to citrated plasma. The PT measures from factor VII through fibrin formation (extrinsic and common pathways of coagulation). Default unit: sec.

Activated Partial Thromboplastin Time (APTT)/(PTTM)- mechanical clot detection is used to measure and record clotting time in a one-stage procedure which consists of recalcifying plasma in the presence of an excess of platelet-like reagent (cephalin) containing a plasma activator. The APTT measures the clotting time from factor XII through fibrin formation (intrinsic and common pathways of coagulation) Default unit: sec.

Urine Chemistry-Bayer CLINITEK® 500-Siemens Healthcare Diagnostics/(Formerly: Bayer CLINITEK®500)

Bilirubin - This test is based on the coupling of bilirubin with diazotized dichloroaniline in a strongly acid medium. The color ranges through various shades of tan.

**Urine Chemistry-Bayer CLINITEK® 500-Siemens Healthcare Diagnostics
(continued)**

Blood - This test is based on the peroxidase-like activity of hemoglobin, which catalyzes the reaction of diisopropylbenzene dihydroperoxide and 3,3',5,5'-tetramethylbenzidine. The resulting color ranges from orange through green; very high levels of blood may cause the color development to continue to blue.

Glucose - This test is based on a double sequential enzyme reaction. One enzyme, glucose oxidase, catalyzes the formation of gluconic acid and hydrogen peroxide from the oxidation of glucose. A second enzyme, peroxidase, catalyzes the reaction of hydrogen peroxide with potassium iodide chromogen to oxidize the chromogen to colors ranging from green to brown.

Ketone - This test is based on the development of colors ranging from buff-pink to purple when acetoacetic acid reacts with nitroprusside.

Leukocytes - Granulocytic leukocytes contain esterases that catalyze the hydrolysis of the derivatized pyrrole amino acid ester to liberate 3-hydroxy-5-phenyl pyrrole. This pyrrole then reacts with a diazonium salt to produce a purple product.

Nitrite - This test depends upon the conversion of nitrate to nitrite by the action of Gram-negative bacteria in the urine. At the acid pH of the reagent area, nitrite in the urine reacts with p-arsanilic acid to form a diazonium compound. This diazonium compound in turn couples with 1,2,3,4-tetrahydrobenzo(h)quinolin-3-ol to produce a pink color.

pH - This test is based on a double indicator principle that gives a broad range of colors covering the entire urinary pH range. Colors range from orange to yellow and green to blue.

Protein - This test is based on the protein-error-of-indicators principle. The development of any green color is due to the presence of protein. Colors range from yellow to green-blue.

Urobilinogen - This test is based on a modified Ehrlich reaction, in which p-diethylaminobenzaldehyde in conjunction with a color enhancer reacts with urobilinogen in a strongly acid medium to produce a pink-red color.

Urine Chemistry

Macroscopic

Color and Clarity - Characteristics that are visually inspected and entered on-line into the data files.

Urine Chemistry (continued)

Specific Gravity - Measurement obtained by use of hand refractometer which allows for direct determination of specific gravity of urine; entered on-line into the data files. Reichert VET 360 (A/B) - Urine Specific Gravity Refractometer. Reichert Analytical Instruments, Inc., Depew, N.Y.

Microscopic

Examination of urine sediment under a microscope and entered on-line into the data files.

Hematology-Bayer Advia® 120-Siemens Healthcare Diagnostics/(Formerly: Bayer Advia®120)

WBC Count - The whole blood sample is mixed with ADVIA® 120 BASO reagent that contains acid and surfactant. The red cells are hemolyzed, and the white blood cells are then analyzed using two angle laser light scatter signals. Default unit: $\times 10^3$ cells/ μ L

RBC / Platelet Count - Both red blood cells and platelets are analyzed by a single optical cytometer after appropriate dilution of the blood sample with ADVIA® 120 RBC/PLT reagent. The red blood cells are isovolumetrically sphered and lightly fixed with glutaraldehyde to preserve the spherical shape. Red cells and platelets are counted from the signals from a common detector with 2 different gain settings. Default unit RBC: $\times 10^6$ cells/ μ L. Default unit PLT: $\times 10^3$ cells/ μ L

Hgb - Hemoglobin: The hemoglobin method is a modification of the manual cyanmethemoglobin method developed by the International Committee for standardization in Hematology (ICSH). Default unit: g/dL.

Hematocrit - The percentage of blood volume that is occupied by red blood cells. Also referred to as the packed red cell volume. On the ADVIA® 120 Hematology System this parameter is derived from the measured red cell volume (MCV) and the red cell count (RBC). Default unit: %.

MCH - Mean Corpuscular Hemoglobin: the average weight of hemoglobin in the red blood cells, calculated from the RBC and Hgb measurements. Default unit: pg.

MCHC - Mean Corpuscular Hemoglobin Concentration: the average concentration of hemoglobin in the red blood cells. This parameter is computed from the measured hemoglobin and the computed hematocrit. Default unit: g/dL.

Hematology-Bayer Advia® 120-Siemens Healthcare Diagnostics (continued)

MCV - Mean Corpuscular Volume: the average volume of the red blood cells. Default unit: fL

White blood cell differential - The ADVIA® 120 Hematology System White Blood Cell Differential (WBC DIFF) methods, consists of both the Peroxidase method and the Basophil/Lobularity method. The ADVIA® 120 Hematology System performs a six-part differential that consists of basophils, eosinophils, large unstained cells, lymphocytes, monocytes, and neutrophils. The white blood cell differential count is reported in percent and the actual number of each type of cell per microliter of blood.

Reticulocyte - This method uses a nucleic acid dye (oxazine 750) to stain cellular RNA. The ADVIA® 120 autoRETIC reagent isovolumetrically spheres the erythroid cells and stains cellular RNA. Low-angle laser light scatter, high-angle laser light scatter, and absorption characteristics of all cells are counted and measured. The absorption data are used to classify each cell as a reticulocyte or mature red blood cell based on its RNA content. The reticulocyte is reported in percent and actual number $\times 10^9$ cells/Liter = thous/ μ l.

References:

Bayer Reagent Strips, Multistix® - Siemens Healthcare Diagnostics/ (Formerly: Bayer Corporation Diagnostics Division). Package Insert, 5/95.

ADVIA® 120 Hematology System Operator's Guide: Copyright© 1997, 1998. Siemens Healthcare Diagnostics/ (Formerly: Bayer Corporation Diagnostics Division).

AMAX Destiny Operation Manual SW V 1.1.4, 31/08/05. Trinity Biotech Plc.

WIL-50333
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MON 87769
WI-2007-068

APPENDIX I

Pathology Report (WIL Research Laboratories, LLC)

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

A 90-DAY FEEDING STUDY IN RATS WITH
PROCESSED MEAL FROM MON 87769 SOYBEANS

PATHOLOGY REPORT

Pathology Department
WIL Research Laboratories, LLC

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1. INTRODUCTION

The objective of this study was to evaluate the potential health effects of MON 87769. MON 87769 is a biotechnology-derived soybean that produces stearidonic acid (SDA), an omega-3 fatty acid. In this study, processed soybean meal from MON 87769 was fed to rats for approximately 90 days.

2. STUDY DESIGN

Male and female Crl:CD (SD) rats were administered diets containing MON 87769 ad libitum for at least 90 days (until the day before the animal was scheduled for necropsy) as indicated in the following table.

<u>Group Number</u>	<u>Test Substance</u>	MON 87769 (% in Diet)	A3525 Control (% in Diet))	Number of Animals	
				<u>Males</u>	<u>Females</u>
1	Vehicle ^a	0	15	20	20
2	MON 87769	5	10	20	20
3	MON 87769	15	0	20	20

^a = The vehicle was Purina Mills International, LLC (PMI) Certified Rodent LabDiet[®] 5002 (meal).

3. METHODS

3.1. CLINICAL PATHOLOGY

Hematology, coagulation, serum chemistry and urine parameters were evaluated on 10 animals/sex/group at the time of the scheduled necropsy. Animals were fasted overnight prior to blood collection. Blood was collected for hematology and serum chemistry evaluation via the retro-orbital sinus of animals anesthetized by inhalation of isoflurane. Blood was collected for coagulation parameters at the time of euthanasia via the vena cava of animals euthanized by inhalation of carbon dioxide. Urine was collected overnight prior to blood collection using metabolism cages. Anticoagulants were potassium EDTA for the hematology parameters and sodium citrate for the coagulation parameters. Anticoagulants were not used for serum chemistry samples.

The following parameters were evaluated.

3.1.1. HEMATOLOGY AND COAGULATION

Total leukocyte count (White Cells)	Differential leukocyte count -
Erythrocyte count (Red Cells)	Percent and absolute
Hemoglobin	-Neutrophil
Hematocrit	-Lymphocyte
Mean corpuscular volume (MCV)	-Monocyte
Mean corpuscular hemoglobin	-Eosinophil
(MCH)	-Basophil
Mean corpuscular hemoglobin	-Large unstained cell
concentration (MCHC)	Platelet estimate ^a
Platelet count (Platelet)	Red cell morphology
Prothrombin time (ProTime)	(RBC Morphology) ^a
Activated partial thromboplastin time	
(APTT)	
Reticulocyte count	
Percent (Reticulocyte)	
Absolute (Retic Absolute)	

() - Designates tabular abbreviation

^a - Presented on individual tables if a manual differential was performed, and the manual data were accepted and reported instead of the automated differential data

3.1.2. SERUM CHEMISTRY

Albumin	Aspartate aminotransferase
Total protein	(AspartatTransfer)
Globulin [by calculation]	Glucose
Albumin/globulin ratio (A/G Ratio)	Total cholesterol (Cholesterol)
[by calculation]	Calcium
Total bilirubin (Total Bili)	Chloride
Urea nitrogen	Phosphorus
Creatinine	Potassium
Alkaline phosphatase	Sodium
(AlkalinePhos'tse)	Triglycerides (Triglyceride)
Alanine aminotransferase	
(Alanine Transfer)	

() - Designates tabular abbreviation

3.1.3. URINALYSIS

Specific gravity (SG)	Ketones (KET)
pH	Bilirubin (BIL)
Urobilinogen (URO)	Occult blood (BLD)
Total volume (TVOL)	Leukocytes (LEU)
Color (COL)	Nitrites (NIT)
Clarity (CLA)	Microscopy of sediment
Protein (PRO)	[Tabular abbreviations appear
Glucose (GLU)	on individual tables]

() - Designates tabular abbreviation

3.2. ANATOMIC PATHOLOGY

3.2.1. MACROSCOPIC EXAMINATION

Complete postmortem examinations were performed on all animals found dead or at the scheduled necropsy. At the scheduled necropsy, animals were euthanized by carbon dioxide inhalation and exsanguinated. At the time of necropsy, the following tissues and organs were collected and placed in 10% neutral-buffered formalin fixative unless otherwise noted:

Adrenals (2)*	Lymph nodes
Aorta	Mandibular
Bone with marrow	Mesenteric*
Sternum	Nasal cavity
Bone marrow smear ^a	Ovaries (2) with oviducts (2)* ^d
Brain	Pancreas*
Cerebrum (Levels I and II)*	Peripheral nerve (sciatic)*
Cerebellum with pons/medulla*	Pharynx
Cervix	Pituitary
Epididymides (2)* ^b	Prostate
Eyes with optic nerves (2) ^c	Salivary glands [mandibular (2)]
Gastrointestinal tract	Seminal vesicles (2)
Esophagus	Skeletal muscle (rectus femoris)
Stomach*	Skin with mammary gland ^e
Duodenum*	Spinal cord (cervical*, thoracic*, lumbar*)
Jejunum*	Spleen*
Ileum*	Testes (2)* ^b
Cecum	Thymus*
Colon*	Thyroids [with parathyroids if present (2)]* ^d
Rectum*	Trachea
Heart*	Urinary bladder
Kidneys (2)*	Uterus*
Larynx	Vagina
Liver (sections of 2 lobes)*	Gross lesions (when possible)*
Lungs (including bronchi, fixed by inflation with fixative)	

^a - Bone marrow smears were obtained at the scheduled necropsy, but not placed in formalin; slides were examined only if scientifically warranted.

^b - Fixed in Bouin's solution

^c - Fixed in Davidson's solution

^d - Examined microscopically when in the plane of section and in all cases where a gross lesion was present.

^e - For females; a corresponding section of skin was taken from the same anatomic area for males.

* - Examined microscopically from high dose test and control rats and all animals that were found dead.

3.2.2. ORGAN WEIGHTS

The following organs were weighed from all animals at the scheduled necropsy:

Adrenals	Ovaries (with oviducts)
Brain	Spleen
Epididymides	Testes
Heart	Thymus
Kidneys	Thyroid with parathyroids*
Liver	Uterus

Paired organs were weighed together. Designated (*) organs were weighed after fixation. Organ-to-final-body-weight and organ-to-brain-weight ratios were calculated.

3.2.3. MICROSCOPIC EXAMINATION

Microscopic examination of routinely prepared hematoxylin-eosin stained paraffin sections was performed on the asterisk-designated tissues collected at necropsy from all animals in the control and high dose groups and from all animals that were found dead, with exceptions as indicated on the tissue list above. Stained histologic sections were examined by light microscopy and observations were entered in the WIL Toxicology Data Management System (WTDMS™) by the pathologist. All gross necropsy observations were addressed and a cause-of-death/debility determination was made for all animals that died prior to scheduled study termination. Histologic sections were of adequate size and quality for detailed evaluation. The number of tissues examined from each dosage group may not necessarily equal the number of animals included in the group due to sectioning difficulties. The number of missing tissues was negligible and did not interfere with detection of test substance-related histologic alterations in the study. Histopathologic lesions were classified using standard published terminology to the extent possible. The WTDMS™ histopathology tables contain all of the recorded data and serve as the basis for this narrative report.

3.3. ABBREVIATIONS

The following abbreviations may apply to this report:

- Interval - point in the study at which event occurred (specimen collection, necropsy, etc.)
- FD - found dead
- SN - scheduled necropsy

3.4. DATA INTERPRETATION

In the discussion of clinical pathology parameters, values derived from the control group animals at all time points evaluated were considered as concurrent control values for purposes of constructing a 'normal' range for the present study. In addition, historical control values for this laboratory were consulted to refine data interpretation. Unless otherwise stated in this report, the 'normal' historical control range was represented by values within the WIL Historical control reference range (essentially a 95% confidence interval).

In the discussion of organ weight changes, the indication of higher or lower mean organ weights refers to a statistically significant ($p < 0.05$ or $p < 0.01$ using Dunnett's test) difference between test substance-treated versus control group animals in the present study. In addition, historical control values for this laboratory were consulted to refine data interpretation.

4. RESULTS

4.1. SURVIVAL

All animals except 1 female rat on 5% test diet that died on study day 60, survived until the scheduled necropsy. The cause of death, undetermined after necropsy and microscopic evaluation of selected tissues, however, was considered an incidental event unrelated to administration of the test substance in the absence of any meaningful gross or microscopic tissue alterations.

4.2. CLINICAL PATHOLOGY

4.2.1. HEMATOLOGY AND COAGULATION

There were no test substance-related alterations or statistically significant findings in hematology and coagulation parameters.

4.2.2. SERUM CHEMISTRY

There were no test substance-related alterations or statistically significant findings in serum chemistry parameters.

4.2.3. URINALYSIS

There were no test substance-related alterations in urinalysis parameters. However, a statistically significant ($p < 0.05$ using Dunnett's test) increase in urobilinogen was observed in the 5% test diet group females compared with the control group. This group mean difference was not considered test substance-related because the increase did not show a dose-related response and may have been affected by low urine volume in several animals.

4.3. GROSS OBSERVATIONS

Review of the gross necropsy findings revealed no observations that were considered to be associated with administration of the test substance. Gross observation of red stomach content in 2 female rats of the 15% test diet group was unconfirmed in the absence of correlating histologic findings and therefore considered unrelated to test substance-administration.

4.4. ORGAN WEIGHTS

There were no test substance-related alterations in final body weight or organ weights.

4.5. HISTOLOGIC CHANGES

There were no histologic changes considered attributable to or of uncertain relationship to administration of the test substance.

Minimal hyperplasia of pituitary pars distalis was observed in one female rat of the 15% test diet group. However, this alteration was considered a spontaneous change unrelated to test substance administration, since rat pituitary is considered insensitive to induction of neoplastic changes with potent genotoxic carcinogens (MacKenzie, et al., 1990) and in the absence of similar alteration in the remaining test substance treated rats.

Although minimal renal papillary mineralization was present in 3/20 female rats treated with the 15% test diet, this alteration was considered incidental since the incidence rate of this microscopic finding was within WIL historical control reference ranges (up to 20% incidence) in 19-21 week old female Sprague Dawley rats.

There were no test substance-related histologic changes. Observed histologic changes were considered to be incidental findings or related to some aspect of experimental manipulation other than administration of the test substance. There was no test substance-related alteration in the prevalence, severity or histologic character of those incidental tissue alterations.

5. CONCLUSIONS


Administration of test diet containing up to 15% of MON 87769 soybean meal for 90 consecutive days to male and female rats was apparently well tolerated and resulted in no test substance-related alterations in hematology, coagulation, serum chemistry or urinalysis parameters and no test substance-related alterations in final body weight, organ weights, gross and microscopic systemic alterations.

6. REFERENCES


MacKenzie, W.F. and Boorman, G.A., Pituitary Gland. In *Pathology of the Fischer Rat*, Edition 1; Boorman, G.A., Eustis, S.L., et al.; Academic Press Inc.: San Diego, CA, **1990**; pp 485-499.

7. REPORT SUBMISSION

Report Submitted By:



Ellen L. Ziemer, DVM, MS, PhD, DACVIM, DACVP*
Study Clinical Pathologist

18 Dec 2008
Date


Gopakumar Gopalakrishnan, BVSc, MS, DACVP
Study Pathologist

18 Dec, 2008
Date

Report Reviewed By:


George A. Parker, DVM, PhD, DACVP, DABT
Reviewing Pathologist

18 Dec 2008
Date

*No longer employed by WIL Research Laboratories, LLC. The Director of Pathology has compared the pathology report to the final report to ensure that there were no changes in interpretation. A statement signed by the Director of Pathology has been placed in the data to acknowledge that the original interpretation by the Pathologist is reflected in the final report.

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MON 87769
WI-2007-068

APPENDIX J

Pathology Peer Review Statement (Midwest ToxPath Sciences, Inc.)

Midwest ToxPath Sciences

PATHOLOGY PEER REVIEW STATEMENT

STUDY TITLE: A 90-Day Feeding Study in Rats With Processed Meal From MON 87769 Soybeans

WIL STUDY NUMBER: 50333


METHODS:

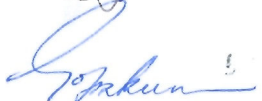
A peer review was conducted by a board certified veterinary pathologist. The peer review consisted of the following:

- 1) Microscopic review of all tissues from the following animals: Control (group 1) males – 6385 and 6394; High dose (Group 3) males – 6359 and 6373; Control (group 1) females – 6453 and 6476; High dose (Group 3) females – 6423 and 6444
- 2) Microscopic review of kidneys from all animals
- 3) Reviewed all clinical pathology, organ weight, gross pathology and microscopic pathology data and the narrative report.

RESULTS:

The pathology data and pathology report reflect the consensus opinions of the Study Pathologist, Study Clinical Pathologist and the Peer Review Pathologist.


Ellen L. Ziemer, DVM, PhD, Dipl., ACVIM, Dipl., ACVP
Study Clinical Pathologist
20 April 2008
Date


Gopakumar Gopalakrishnan, B.V.Sc. & A.H., M.S., Dipl., ACVP
Study Pathologist
22 May 2008
Date


Daryl C. Thake, DVM, Dipl., ACVP
Peer Review Pathologist
22 Apr 2008
Date

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WI-2007-068

APPENDIX K

WIL Clinical Pathology Historical Control Data

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 1 of 3

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 46 / 59
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Serum Chemistry Values**A/G Ratio**

Mean	S.D.	N	Reference Range
1.58	0.170	616	1.25 / 2.04

Alanine Aminotransferase (U/L)

Mean	S.D.	N	Reference Range
46	10.0	615	30 / 84

Albumin (g/dL)

Mean	S.D.	N	Reference Range
4.2	0.23	616	3.7 / 4.8

Alkaline Phosphatase (U/L)

Mean	S.D.	N	Reference Range
93	18.8	615	58 / 146

Aspartate Aminotransferase (UL)

Mean	S.D.	N	Reference Range
89	17.3	615	62 / 146

Calcium (mg/dL)

Mean	S.D.	N	Reference Range
11.0	0.52	616	10.0 / 12.7

Chloride (mEq/L)

Mean	S.D.	N	Reference Range
103	1.5	615	100 / 107

Cholesterol (mg/dL)

Mean	S.D.	N	Reference Range
58	13.6	596	34 / 97

Creatine Kinase (U/L)

Mean	S.D.	N	Reference Range
323	268.3	63	84 / 1514

Creatinine (mg/dL)

Mean	S.D.	N	Reference Range
0.3	0.07	616	0.2 / 0.4

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 2 of 3

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 46 / 59
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

GGT (U/L)

Mean	S.D.	N	Reference Range
0.4	0.32	114	0.1 / 1.4

Globulin (g/dL)

Mean	S.D.	N	Reference Range
2.7	0.29	616	2.1 / 3.4

Glucose (mg/dL)

Mean	S.D.	N	Reference Range
127	21.8	616	96 / 198

Phosphorus (mg/dL)

Mean	S.D.	N	Reference Range
7.9	1.26	616	5.7 / 12.2

Potassium (mEq/L)

Mean	S.D.	N	Reference Range
5.26	0.798	615	4.18 / 8.18

Sodium (mEq/L)

Mean	S.D.	N	Reference Range
145	2.1	615	141 / 151

Total Bilirubin (mg/dL)

Mean	S.D.	N	Reference Range
0.1	0.05	596	0.1 / 0.2

Total Protein (g/dL)

Mean	S.D.	N	Reference Range
6.9	0.41	616	6.1 / 8.0

Triglyceride (mg/dL)

Mean	S.D.	N	Reference Range
66	26.3	493	23 / 148

Urea Nitrogen (mg/dL)

Mean	S.D.	N	Reference Range
15.3	1.86	616	11.5 / 19.9

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 3 of 3

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 46 / 59
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

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WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

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Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 20 / 20
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 08/05 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Hematology Values**APTT (seconds)**

Mean	S.D.	N	Reference Range
21.6	3.41	196	15.5 / 29.7

Fibrinogen (mg/dL)

Mean	S.D.	N	Reference Range
255.52	21.259	42	222.00 / 302.00

Prothrombin Time (seconds)

Mean	S.D.	N	Reference Range
15.7	1.79	196	12.6 / 19.8

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WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 1 of 3

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 36 / 41
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 01/04 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Hematology Values
Basophil - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.03	0.015	423	0.01 / 0.08

Basophil (%)

Mean	S.D.	N	Reference Range
0.3	0.12	423	0.1 / 0.7

Eosinophil (%)

Mean	S.D.	N	Reference Range
1.4	0.57	423	0.5 / 3.2

Eosinophil - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.13	0.054	423	0.04 / 0.30

Hematocrit (%)

Mean	S.D.	N	Reference Range
46.0	2.85	423	40.5 / 52.7

Hemoglobin (g/dL)

Mean	S.D.	N	Reference Range
15.6	0.82	423	13.8 / 17.5

LG Unstain Cell

Mean	S.D.	N	Reference Range
1.0	0.50	423	0.3 / 2.6

Luc Absolute (thous/uL)

Mean	S.D.	N	Reference Range
0.09	0.054	423	0.02 / 0.28

Lymphocyte - Abs (thous/uL)

Mean	S.D.	N	Reference Range
7.60	2.069	423	3.85 / 13.14

Lymphocyte (%)

Mean	S.D.	N	Reference Range
80.4	4.63	423	65.6 / 88.2

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 2 of 3

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 36 / 41
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 01/04 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

MCH (pg)

Mean	S.D.	N	Reference Range
17.8	0.61	240	16.6 / 19.1

MCHC (g/dL)

Mean	S.D.	N	Reference Range
33.9	1.59	423	30.5 / 37.8

MCV (fL)

Mean	S.D.	N	Reference Range
52.3	2.37	423	48.0 / 58.8

Monocyte - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.22	0.085	423	0.09 / 0.50

Monocyte (%)

Mean	S.D.	N	Reference Range
2.3	0.71	423	1.2 / 4.4

Neutrophil - Abs (thous/uL)

Mean	S.D.	N	Reference Range
1.32	0.420	423	0.69 / 2.97

Neutrophil (%)

Mean	S.D.	N	Reference Range
14.5	4.45	423	7.5 / 28.7

Platelet (thous/uL)

Mean	S.D.	N	Reference Range
1007	166.1	423	591 / 1335

Platelet Volume (fL)

Mean	S.D.	N	Reference Range
5.93	0.286	28	5.40 / 6.50

Red Cell Width (%)

Mean	S.D.	N	Reference Range
12.4	0.53	28	11.7 / 13.7

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 3 of 3

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 36 / 41
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 01/04 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Red Cells (mil/uL)

Mean	S.D.	N	Reference Range
8.81	0.460	423	7.82 / 9.91

Reticulocyte - Abs (thous/uL)

Mean	S.D.	N	Reference Range
160.8	30.72	423	105.7 / 242.7

Reticulocyte (%)

Mean	S.D.	N	Reference Range
1.8	0.36	423	1.1 / 2.8

White Cells (thous/uL)

Mean	S.D.	N	Reference Range
9.5	2.35	423	5.1 / 15.8

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WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 1 of 1

Sex: M	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 43 / 56
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 06/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Urinalysis Values**pH**

Mean	S.D.	N	Reference Range
6.6	0.44	615	5.5 / 8.5

Specific Gravity

Mean	S.D.	N	Reference Range
1.0356	0.01308	615	1.0150 / 1.0800

Total Volume (mL)

Mean	S.D.	N	Reference Range
9.4	4.96	600	2.0 / 28.0

Urobilinogen (mg/dL)

Mean	S.D.	N	Reference Range
0.2	0.11	605	0.2 / 1.0

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Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 46 / 59
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Serum Chemistry Values**A/G Ratio**

Mean	S.D.	N	Reference Range
1.92	0.219	613	1.44 / 2.42

Alanine Aminotransferase (U/L)

Mean	S.D.	N	Reference Range
41	12.9	615	22 / 86

Albumin (g/dL)

Mean	S.D.	N	Reference Range
4.8	0.33	615	4.1 / 5.6

Alkaline Phosphatase (U/L)

Mean	S.D.	N	Reference Range
54	14.9	615	28 / 96

Aspartate Aminotransferase (UL)

Mean	S.D.	N	Reference Range
88	20.5	615	57 / 162

Calcium (mg/dL)

Mean	S.D.	N	Reference Range
11.1	0.55	615	10.1 / 12.9

Chloride (mEq/L)

Mean	S.D.	N	Reference Range
104	1.6	614	101 / 108

Cholesterol (mg/dL)

Mean	S.D.	N	Reference Range
70	14.9	594	41 / 108

Creatine Kinase (U/L)

Mean	S.D.	N	Reference Range
257	163.4	63	87 / 779

Creatinine (mg/dL)

Mean	S.D.	N	Reference Range
0.3	0.07	613	0.2 / 0.5

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 2 of 3

Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 46 / 59
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

GGT (U/L)

Mean	S.D.	N	Reference Range
0.7	0.46	189	0.1 / 2.1

Globulin (g/dL)

Mean	S.D.	N	Reference Range
2.5	0.26	613	2.0 / 3.1

Glucose (mg/dL)

Mean	S.D.	N	Reference Range
120	16.7	613	91 / 169

Phosphorus (mg/dL)

Mean	S.D.	N	Reference Range
7.5	1.75	615	4.7 / 13.1

Potassium (mEq/L)

Mean	S.D.	N	Reference Range
5.04	0.901	614	3.83 / 8.50

Sodium (mEq/L)

Mean	S.D.	N	Reference Range
145	2.2	614	141 / 151

Total Bilirubin (mg/dL)

Mean	S.D.	N	Reference Range
0.2	0.05	594	0.1 / 0.3

Total Protein (g/dL)

Mean	S.D.	N	Reference Range
7.3	0.45	613	6.3 / 8.4

Triglyceride (mg/dL)

Mean	S.D.	N	Reference Range
46	14.6	491	21 / 92

Urea Nitrogen (mg/dL)

Mean	S.D.	N	Reference Range
16.2	2.16	613	12.0 / 21.6

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 3 of 3

Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 46 / 59
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

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Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 20 / 20
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 08/05 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Hematology Values**APTT (seconds)**

Mean	S.D.	N	Reference Range
20.4	3.80	191	14.8 / 30.9

Fibrinogen (mg/dL)

Mean	S.D.	N	Reference Range
203.57	29.781	42	162.00 / 321.00

Prothrombin Time (seconds)

Mean	S.D.	N	Reference Range
13.8	1.52	191	11.1 / 17.0

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WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 1 of 3

Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 36 / 41
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 01/04 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Hematology Values
Basophil - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.02	0.009	419	0.00 / 0.05

Basophil (%)

Mean	S.D.	N	Reference Range
0.3	0.12	419	0.0 / 0.6

Eosinophil (%)

Mean	S.D.	N	Reference Range
1.4	0.66	419	0.5 / 3.6

Eosinophil - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.09	0.048	419	0.03 / 0.26

Hematocrit (%)

Mean	S.D.	N	Reference Range
43.6	2.90	419	38.0 / 51.3

Hemoglobin (g/dL)

Mean	S.D.	N	Reference Range
15.1	0.85	419	13.0 / 16.8

LG Unstain Cell

Mean	S.D.	N	Reference Range
0.9	0.46	419	0.2 / 2.3

Luc Absolute (thous/uL)

Mean	S.D.	N	Reference Range
0.06	0.034	419	0.01 / 0.17

Lymphocyte - Abs (thous/uL)

Mean	S.D.	N	Reference Range
5.27	1.516	419	2.60 / 9.55

Lymphocyte (%)

Mean	S.D.	N	Reference Range
81.8	5.24	419	66.8 / 90.5

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 2 of 3

Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 36 / 41
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 01/04 - 09/07
Strain: Crl:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

MCH (pg)

Mean	S.D.	N	Reference Range
18.8	0.66	235	17.4 / 20.7

MCHC (g/dL)

Mean	S.D.	N	Reference Range
34.5	1.54	419	31.0 / 38.5

MCV (fL)

Mean	S.D.	N	Reference Range
54.3	2.14	419	49.9 / 60.1

Monocyte - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.13	0.058	419	0.05 / 0.33

Monocyte (%)

Mean	S.D.	N	Reference Range
2.0	0.72	419	0.9 / 4.2

Neutrophil - Abs (thous/uL)

Mean	S.D.	N	Reference Range
0.85	0.357	419	0.36 / 2.27

Neutrophil (%)

Mean	S.D.	N	Reference Range
13.5	4.89	419	5.7 / 28.0

Platelet (thous/uL)

Mean	S.D.	N	Reference Range
1002	158.7	419	615 / 1369

Platelet Volume (fL)

Mean	S.D.	N	Reference Range
6.28	0.586	26	5.30 / 7.30

Red Cell Width (%)

Mean	S.D.	N	Reference Range
11.6	0.22	26	11.1 / 12.0

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 3 of 3

Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 36 / 41
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 01/04 - 09/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Red Cells (mil/uL)

Mean	S.D.	N	Reference Range
8.05	0.447	419	6.94 / 9.03

Reticulocyte - Abs (thous/uL)

Mean	S.D.	N	Reference Range
137.1	28.25	419	74.5 / 202.5

Reticulocyte (%)

Mean	S.D.	N	Reference Range
1.7	0.37	419	0.9 / 2.5

White Cells (thous/uL)

Mean	S.D.	N	Reference Range
6.4	1.75	419	3.6 / 11.8

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01-Apr-08

WIL Research Laboratories - Historical Control Summary of Clinical Pathology Values

Page 1 of 1

Sex: F	Study Type: SUBCHRONIC	Number of Studies/Control Groups: 42 / 55
Species: RAT	Age: 19 - 21 Weeks	Range of Study Dates: 03/03 - 06/07
Strain: CrI:CD(SD)	Serum/Hematology/Coagulation Instrument: 912/ADVIA/AMAX	

Urinalysis Values**pH**

Mean	S.D.	N	Reference Range
6.0	0.44	563	5.0 / 7.0

Specific Gravity

Mean	S.D.	N	Reference Range
1.0349	0.01429	565	1.0140 / 1.0860

Total Volume (mL)

Mean	S.D.	N	Reference Range
5.9	3.40	552	1.0 / 17.0

Urobilinogen (mg/dL)

Mean	S.D.	N	Reference Range
0.2	0.15	553	0.2 / 1.0

Version 2.6

28-Mar-08

WIL-50333
Monsanto Company

MON 87769
WI-2007-068

APPENDIX L

WIL Histopathology Historical Control Data

WIL Research Laboratories - Histopathology Historical Control Data
Individual Incidence Report

Page 1 of 1

Sex:	F	Study Type:	SUBCHRONIC	Number of Studies/Control Groups:	39 / 49	
Species:	RAT	Total Number of Animals:	797	Range of Study Dates:	08/02 - 11/06	
Strain:	Crl:CD(SD)			Age:	19 - 21	Weeks
Organ	Finding	Grade	Control Group(s)	Total Occurrence	Total Tissues Examined	%

Kidneys

Mineralization, Papillary Tubular
Minimal

Control Group: 529	4	20	20.00
Control Group: 552	2	20	10.00
	6	797	0.75

Version 2.3m
11-Apr-08