



MAG/Regulatory Science & Public Affairs/EHL
(CO./DIV./DEPT./LOCATION)

Final REPORT

TYPE OF REPORT

MON TECHNOLOGY

NOV 28 199

REPORT NO.: MSL-13824

JOB/PROJECT NO.: ML-94-9/EHL 94007

DATE: November 17, 1994

TITLE: One Month Feeding Study with MON 46001 and MON 46002 in Sprague Dawley Rats

AUTHORS: M. W. Naylor, B.S.

ABSTRACT: Sprague-Dawley rats (10/sex) were fed diets containing either the test material (MON 46002) or the dietary control material (MON 46001), each at target levels of 5% or 10%, for one month.

Overall study averages for consumption of MON 46002, mg/kilogram body weight/day, based on the target concentrations, were approximately 4467 and 8927 in males and 4232 and 8369 in females for the 5% and 10% dietary levels, respectively. By comparison, overall study averages for consumption of MON 46001, were approximately 4476 and 8776 in males and 4221 and 9038 in females for the 5% and 10% dietary levels, respectively.

There were no adverse clinical signs considered related to treatment and no mortality occurred in any of the groups.

Continued on next page.

REPT. NO.: MSL-13824 AUTHORS: M. W. Naylor, B.S.

TITLE: One Month Feeding Study with MON 46001 and 2 in Sprague Dawley Rats

COPY NO.: 4

C O M P A N Y C O N F I D E N T I A L

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MAC TOXICOLOGY

ABSTRACT: cont'd.

The only difference in group mean body weight was a statistically significant decrease at the end of the first week in the females fed diet containing 10% test material (MON 46002). There were also statistically significant decreases in cumulative weight gain for males and females at this dietary level after one week of testing. The males did not fully recover from this initial reduction in weight gain; however, females at this dietary level gained as much weight as controls by the end of the second week and remained approximately equal in weight to controls for the rest of the study. Males at the 10% dietary level had terminal body weights which were statistically significantly reduced (7%) at the conclusion of the study. The differences in body weight (and food consumption) in the males were largely due to two animals; when these animals' data were removed, the remainder of this groups' values were comparable to those of the controls. There were no significant differences in group mean body weight or weight gain in animals fed diet containing 5% MON 46002 when compared to the dietary controls at any time during the study.

When group mean food consumption (GM/DAY) of test animals was compared with that of the parental control animals, the only statistically significant decrease from controls occurred in the female group fed 10% MON 46002 during the first week, possibly due to poor diet palatability/acceptance. Thereafter, these animals, and all others at all times during the study, consumed approximately as much diet as did their respective controls. There were no absolute or relative organ weight differences considered treatment-related at either dietary level.

Therefore, there did not appear to be any appreciable differences in the wholesomeness of MON 46002 in the diet when compared to MON 46001; however, there were reductions in mean body weight and/or weight gain and in food consumption (females, during the first week of testing) by rats administered 10% MON 46002 in the diet for one month. There were no significant differences of any kind in the rats fed 5% of the test or control materials.

MAC TECHNOLOGY

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EHL 94007

MONSANTO COMPANY
THE AGRICULTURAL GROUP
ENVIRONMENTAL HEALTH LABORATORY
645 S. NEWSTEAD
ST. LOUIS, MISSOURI 63110

One Month Feeding Study
with MON 46001 and MON 46002
in Sprague Dawley Rats

Study Number: 94007
Project Number: ML-94-9

Mark W. Naylor
M. W. Naylor, B.S.

11/17/94
Date

Study Director

R. M. Folk
R. M. Folk, Ph.D.

11/3/94
Date

Director, Environmental Health Laboratory

SUMMARY

Sprague-Dawley rats (10/sex) were fed diets containing either the test material (MON 46002) or the dietary control material (MON 46001), each at target levels of 5% or 10%, for one month.

Overall study averages for consumption of MON 46002, mg/kilogram body weight/day, based on the target concentrations, were approximately 4467 and 8927 in males and 4232 and 8369 in females for the 5% and 10% dietary levels, respectively. By comparison, overall study averages for consumption of MON 46001, were approximately 4476 and 8776 in males and 4221 and 9038 in females for the 5% and 10% dietary levels, respectively.

There were no adverse clinical signs considered related to treatment and no mortality occurred in any of the groups.

The only difference in group mean body weight was a statistically significant decrease at the end of the first week in the females fed diet containing 10% test material (MON 46002). There were also statistically significant decreases in cumulative weight gain for males and females at this dietary level after one week of testing. The males did not fully recover from this initial reduction in weight gain; however, females at this dietary level gained as much weight as controls by the end of the second week and remained approximately equal in weight to controls for the rest of the study. Males at the 10% dietary level had terminal body weights which were statistically significantly reduced (7%) at the conclusion of the study. The differences in body weight (and food consumption) in the males were largely due to two animals; when these animals' data were removed, the remainder of this groups' values were comparable to those of the controls. There were no significant differences in group mean body weight or weight gain in animals fed diet containing 5% MON 46002 when compared to the dietary controls at any time during the study.

When group mean food consumption (GM/DAY) of test animals was compared with that of the parental control animals, the only statistically significant decrease from controls occurred in the female group fed 10% MON 46002 during the first week, possibly due to poor diet palatability/acceptance. Thereafter, these animals, and all others at all times during the study, consumed approximately as much diet as did their respective controls. There were no absolute or relative organ weight differences considered treatment-related at either dietary level.

Therefore, there did not appear to be any appreciable differences in the wholesomeness of MON 46002 in the diet when compared to MON 46001; however, there were reductions in mean body weight and/or weight gain and in food consumption (females, during the first week of testing) by rats administered 10% MON 46002 in the diet for one month. There were no significant differences of any kind in the rats fed 5% of the test or control materials.

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TRADEMARKS

The following registered trademarks were used in this report:

ITEM	<u>REGISTERED TRADEMARK OF:</u>
CD	Charles River Laboratories, Inc. Wilmington, MA

NOTES TO READER

TERMS

The following terms are used as column headings in some data tables:

GEN	Generation (F0, F1, etc.) used in reproduction studies.
PERIOD (PER)	A number corresponding to a specified interval within the study; used to facilitate data reporting.
WINDOW	A series of days within a study when data could have been collected for the corresponding period. Actual data collection occurred on one or more of the days within the window.

ANIMAL IDENTIFICATION SYSTEM

The current EHL animal number format is YYXXXSGAANN where YYXXX is the study number, Y is the study year, and X is the sequence number within the year. The S represents the animal's sex, G is the primary group code, A's may represent the subgroup code (in most cases these characters are blank), and N is the animal's sequence number within the group (or subgroup), e.g., 99999M2 001. The animal designation may be further reduced by exclusion of the study number and blank subgroup codes, e.g., M2001. These abbreviated animal identifications will include five to seven characters, depending on the number of characters in the subgroup code.

INTRODUCTION

Purposes: To compare the wholesomeness of MON 46001 and MON 46002 administered in the feed to rats for one month.

Date Protocol Signed by Study Director: January 4, 1994

Date of First Exposure (Day 1 of Study): January 5, 1994

Date Last Animal Sacrificed: February 3, 1994

Experimental Design: MON 46002 was administered in the diet to groups of Sprague-Dawley rats (10/sex) at targeted levels of 5% and 10% for approximately one month. The dietary control material, MON 46001, was also administered in the diet to similar groups of rats at equivalent target levels. Clinical observations were performed weekly. Body weights and food consumption were determined weekly. All animals were necropsied at study termination, their kidneys, liver and testes were weighed, and an extensive list of tissues were retained but were not examined microscopically.

MATERIALS AND METHODS

Test and Control Materials

Source:

Monsanto Company
The Agricultural Group
700 Chesterfield Parkway North
St. Louis, MO 63198
January 4, 1994
Modified Laboratory Rodent chow

Date Received:

Description:

Identification:

Rodent Chow with 5% MON 46001
(Dietary Control)
T940003
5718M-G

EHL Substance Identification Code:

Lot/Batch Number:

Identification:

Rodent Chow with 10% MON 46001
(Dietary Control)
T940004
5718M-H

EHL Substance Identification Code:

Lot/Batch Number:

Identification:

EHL Substance Identification Code:

Lot/Batch Number:

Rodent Chow with 5% MON 46002
T940005
5718M-I

Identification:

EHL Substance Identification Code:

Lot/Batch Number:

Rodent Chow with 10% MON 46002
T940006
5718M-J

Diet

During acclimation: PMI Certified Rodent Diet 5002

During study: Rodent chow formulated by Purina Test Diets, Inc., Richmond IN to contain the test/control materials and as closely as possible approximate the composition of Purina Laboratory Rodent Diet 5001.

Group Designations:

Treatment Levels	Group Designations		Material (% of Diet)
	Male	Female	
Dietary Control	MV1	FV1	MON 46001 (5%)
Dietary Control	MV2	FV2	MON 46001 (10%)
T1	M1	F1	MON 46002 (5%)
T2	M2	F2	MON 46002 (10%)

Animals

Species: Albino rat
Strain: Sprague-Dawley (CD)
Source: Charles River Breeding Laboratory,
Raleigh, NC
Date of Arrival at EHL: December 28, 1993
Acclimation Period: Approximately 8 days
Number Used in Study: 80 (40 males, 40 females). Any unhealthy animals were excluded from assignment to the study.
Test Group Size: 10/sex
Method of Assignment: Computer randomization by weight
Method of Identification: Individual ear tag, bar-coded cage card
Age at Study Start: Approximately 6 weeks
Weight Range at Study Start: Males - 164.5 to 202.4 grams
Females - 144.2 to 175.3 grams
Type of Housing: Individual stainless steel cages
Water Availability: *ad libitum* (St. Louis public water supply, sodium zeolite-conditioned upon entering the laboratory)
Food Availability: *ad libitum*
Light Cycle: 12 hours light (on at 6:30 A.M.)/12 hours darkness

Note: Animal housing and husbandry were in accordance with the provisions of the "Guide to the Care and Use of Laboratory Animals", USPHS-NIH Publication No. 86-23.

Inlife Observations

Checks for Mortality and Moribundity: Twice daily (AM and PM)

Detailed Observations for Signs of Toxicity: Once weekly

Body Weight: Prior to randomization, once weekly thereafter

Food Consumption Measurement: Once weekly

Gross Pathology

Scheduled Sacrifice: After approximately one month of exposure

Animals Examined: All

Extent of Examination: External and internal. Internal cavities were opened, and organs were examined in place and then removed. Hollow organs were opened and examined.

Organs Weighed: Kidneys, testes (paired) and liver

Tissues Retained: Aorta, adrenals, bone (femur with joint), brain, cecum, colon, duodenum, epididymides, esophagus, eyes, gross lesions, heart, ileum, jejunum, kidneys, liver, lungs (with mainstem bronchi), lymph node (mesenteric and submaxillary), muscle (quadriceps femoris), ovaries, pancreas, pituitary, prostate, rectum, salivary gland (submaxillary), sciatic nerve, seminal vesicles, skin (mammary tissue), spinal cord (cervical, thorax, lumbar), spleen, sternum with marrow, stomach, testes, thymus (if available), thyroid/parathyroid, trachea, uterus (corpus and cervix), urinary bladder

Fixatives: Eyes with 5% buffered neutral formalin/0.5% glutaraldehyde; remaining tissues with 10% buffered neutral formalin

Statistics

The following statistical procedures were used to detect statistically significant differences between treated animals and their respective controls:

Dunnett's Multiple Comparison Test (two-tailed) (1): Inlife body weights, cumulative weight gains and food consumption

Terminal body weights, absolute organ weights and organ/body weight ratios were evaluated by decision-tree statistical analysis procedures which, depending on the results of tests for normality (2) and homogeneity of variances (Bartlett's

Test), utilized either parametric (Dunnett's Test and Linear Regression) or nonparametric (Kruskal-Wallis, Jonckheere's and/or Mann-Whitney Tests) routines to detect group differences and analyze for trend.

Other statistical routines used for some data were: Bartlett's Test (3) to evaluate homogeneity of variances, Analysis of Variance (4) to determine if sample (group) means could be considered as an estimate of a common population and Grubbs' Test (5,6) to detect outliers in organ weight data.

RESULTS

Inlife

Body Weight

Refer to Appendix 1, Tables 1-2; Appendix 2, Table 1.

When group mean body weights of the test animals were compared to those of their respective dietary controls, there was a statistically significant decrease at the end of the first week in the females fed diet containing 10% test material (MON 46002). Male body weights at the 10% dietary level were also lower than controls (not statistically significant) throughout the study, largely due to two animals which consumed less food than the rest of the group. There were also statistically significant decreases in cumulative weight gain for males and females at this dietary level after one week of testing. There were no significant differences in group mean body weight or weight gain in animals fed diet containing 5% MON 46002 when compared to the dietary controls at any time during the study.

Food Consumption

Refer to Appendix 1, Table 3; Appendix 2, Table 2.

When group mean food consumption (GM/DAY) of test animals was compared with that of the parental control animals, the only statistically significant decrease from controls occurred in the female group fed 10% MON 46002 during the first week. Thereafter, these animals, and all others at all times during the study, consumed approximately as much diet as did their respective controls.

Test Material Consumption

Refer to Appendix 1, Table 4.

Overall study averages for consumption of MON 46002, mg/kilogram body weight/day, based on the target concentrations, were approximately 4467 and 8927 in males and 4232 and 8369 in females for the 5% and 10% dietary levels, respectively. By comparison, overall study averages for consumption of MON

46001 (the dietary control material), were approximately 4476 and 8776 in males and 4221 and 9038 in females for the 5% and 10% dietary levels, respectively.

Clinical Signs

Refer to Appendix 1, Table 5; Appendix 2, Table 3.

Clinically, the animals did not appear affected by ingestion of the test material. The only clinical sign was scab(s) in one male fed the control material.

Mortality

Refer to Appendix 1, Table 5; Appendix 2, Table 4.

There were no unscheduled deaths during this study.

Pathology

Gross Pathology

Refer to Appendix 1, Tables 6-8; Appendix 3, Table 1.

The only statistically significant difference in terminal body weights of the test animals when compared to those of the dietary controls was for the males of the 10% dietary level (approximately 7% less than controls). There were no statistically significant differences in absolute organ weights at either dietary level. Statistically significant increases in relative (to body) weights of liver and testes occurred in the males at the 10% dietary level.

In the females, gross findings were limited to the dietary control animals. In the males, the gross findings in the test animals were low in frequency and/or were also observed in control animals and were, therefore, considered unrelated to treatment.

DISCUSSION

Sprague-Dawley rats (10/sex) were each given diets containing either the test material (MON 46002) or the dietary control material (MON 46001), each at target levels of 5% or 10% for one month.

Overall study averages for consumption of MON 46002, mg/kilogram body weight/day, based on the target concentrations, were approximately 4467 and 8927 in males and 4232 and 8369 in females for the 5% and 10% dietary levels, respectively. By comparison, overall study averages for consumption of MON 46001 (the dietary control material), were approximately 4476 and 8776 in males and 4221 and 9038 in females for the 5% and 10% dietary levels, respectively.

There were no adverse clinical signs considered related to treatment and no mortality occurred in any of the groups.

The only difference in group mean body weight was a statistically significant decrease at the end of the first week in the females fed diet containing 10% test material (MON 46002). There were also statistically significant decreases in cumulative weight gain for males and females at this dietary level after one week of testing. The females also had significantly lower food consumption during the first week (only), possibly due to reduced diet palatability, and this undoubtedly contributed to the body weight differences. The males did not fully recover from this initial reduction in weight gain; however, females at this dietary level gained as much weight as controls by the end of the second week and remained approximately equal in weight to controls for the rest of the study. Male terminal body weights were significantly reduced (7%) at the conclusion of the study. There were no significant differences in group mean body weight or weight gain in animals fed diet containing 5% MON 46002 when compared to the dietary controls at any time during the study.

When group mean food consumption (GM/DAY) of test animals was compared with that of the parental control animals, the only statistically significant decrease from controls occurred in the female group fed 10% MON 46002 during the first week. This pattern of consumption is often associated with poor diet palatability/acceptance. Thereafter, these animals, and all other groups at all times during the study, consumed approximately as much diet as did their respective controls. Two males in the 10% dietary level group consumed less diet and gained less weight than the rest of the group throughout the study. When food consumption and body weight data for these two animals is removed, the resulting values are nearly equal to the control groups' values. The reason(s) for the reductions in food consumption and growth of these two animals were not determined; however, as with the females at this dietary level, poor diet palatability/acceptance may also have been a contributing factor.

The small, but statistically significant increases in relative liver and testes weights in males at the 10% dietary level, in the absence of significant effects in absolute organ weights, were not attributed to treatment. Rather, the increases were due to minor (non-significant) increases in absolute organ weights in concert with the reduced terminal body weights.

Therefore, there did not appear to be any appreciable differences in the wholesomeness of MON 46002 in the diet when compared to MON 46001, however, there were reductions in mean body weight and/or weight gain by rats administered 10% MON 46002 in the diet for one month. There were no significant differences of any kind in the rats fed 5% of the test or control materials.

REFERENCES

1. Dunnett, C.W. A multiple comparison procedure for comparing several treatments with a control. *Jour. Am. Stat. Assoc.* 50: 1096-1121(1955).
2. BMDP Biomedical Computer Programs P Series Manual, Health Sciences Computing Facility, UCLA, University of California Press (1977).
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5. Grubbs, F.E. Procedure for detecting outlying observations in samples. *Technometrics* XI: 1-21 (1969).
6. Grubbs, F.E., Beck, G. Extension of sample sizes and percentage points for significance tests of outlying observations. *Technometrics* XIV: 847-854 (1972).

QUALITY ASSURANCE AUDIT STATEMENT

Study Number: 94007
ML-94-9

Protocol Amendments: One - April 04, 1994

Study Title: One Month Feeding Study with MON 4600 and MON 46002
in Sprague-Dawley Rats

Dates of Inspections
and Audits:

January 10, 12, 1994
March 14, 18, 25, 1994
April 06, 1994
July 06, 20, 1994

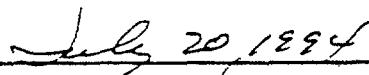
Dates of Communication
to Management:

January 10, 12, 1994
March 14, 18, 25, 1994
April 06, 1994
July 06, 20, 1994

Quality Assurance Review Conducted by:

S.H. McClain
C.K. Russell

This signed statement indicates the ESH Quality and Compliance Assurance Unit has monitored this study and reviewed the data and final report. These reviews indicate the final report accurately presents the raw data as developed during the study.



John L. Henshaw
Director Quality & Compliance Assurance

Date

STATEMENT OF COMPLIANCE

The study EHL 94007 (ML-94-9) was conducted in conformance with the Environmental Protection Agency Good Laboratory Practice (GLP) Standards and the GLP Principles of the OECD (1981), with the following exception:

Due to the nature of the test and control materials, characterization, stability (of the neat materials and when mixed with the carrier), homogeneity and verification of dietary concentrations were not performed.

Mark W. Neary
Study Director

11/3/94
Date

P.M. Feltk
Laboratory Management

11/3/94
Date

SUPPLEMENTARY STUDY INFORMATION

Study Performed at: Environmental Health Laboratory (EHL),
645 S. Newstead, St. Louis, MO 63110

Location of Study Protocol, Original Data, Retained Tissues, Final Report and Facilities Records: Environmental Health Laboratory Archives

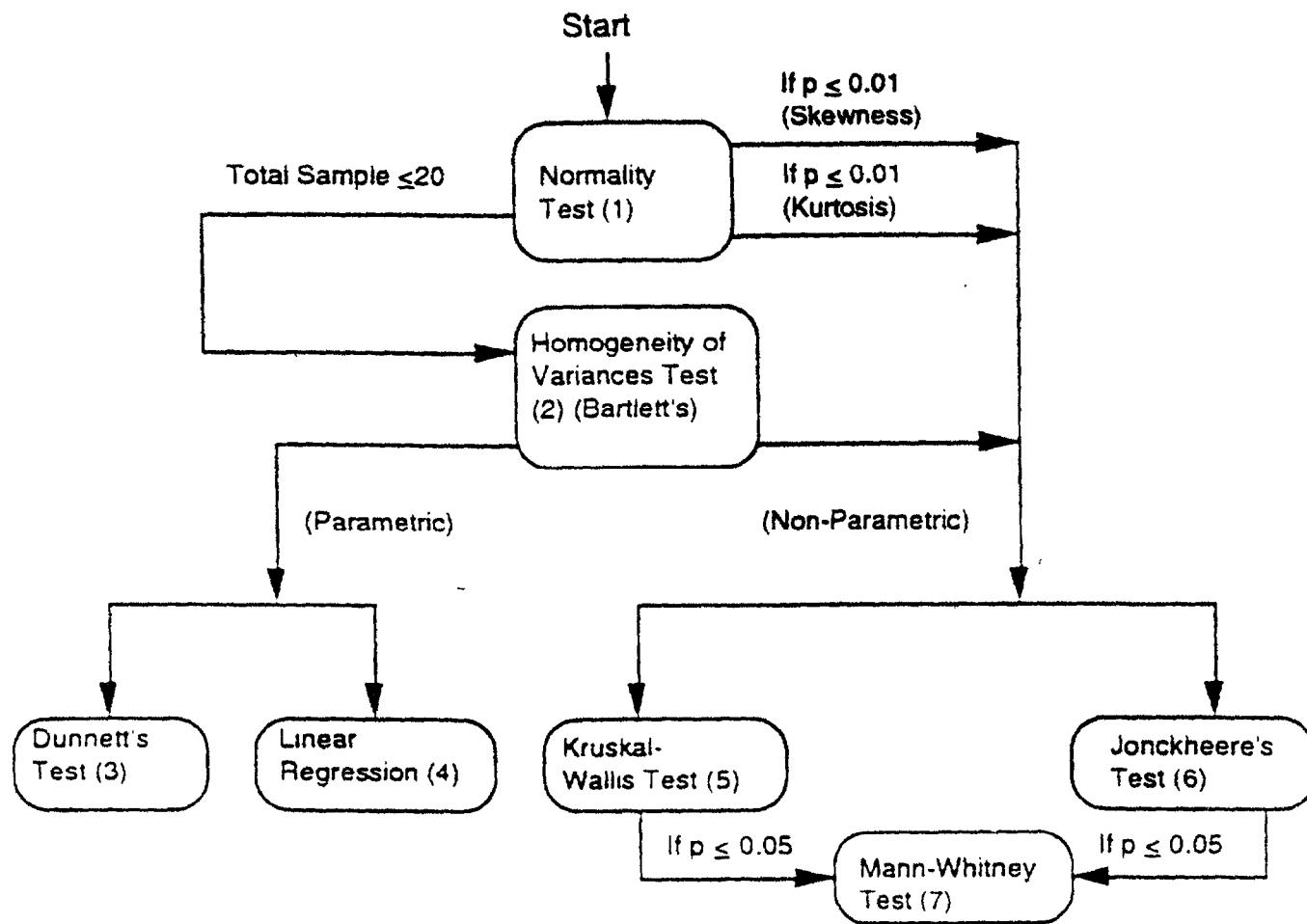
Supervisory Personnel:

D. C. Thake, D.V.M., Dipl. A.C.V.P.
Director, Pathology & Research Studies

L. D. Stout, D.V.M., M.S.
Manager, Toxicology Studies

R. M. Folk, Ph.D.
Director, Environmental Health Laboratory

EHL DECISION-TREE STATISTICAL ANALYSIS



Note 1. Categorical data were analyzed with an Uncorrected Chi-square Test (8)

Note 2. Dunnett's and Mann-Whitney tests to detect group differences were performed two-tailed.

EHL DECISION-TREE STATISTICAL ANALYSIS

REFERENCES

1. BMDP Biomedical Computer Programs P Series Manual, Health Sciences Computing Facility, UCLA, University of California Press (1977).
2. Dixon, W.J. and Massey, F.J. Jr., Introduction to Statistical Analysis, 3rd Edition, McGraw-Hill Company, NY (1969).
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6. Hollander, M. and Wolfe, D.A. Nonparametric Statistical Methods. Wiley, NY (1973).
7. Mann, H.B. and Whitney, D.R. On a test of whether one of two random variables is stochastically larger than the other. Ann. Math. Stat. 18: 50-60 (1947).
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EHL DECISION-TREE STATISTICAL ANALYSIS

EXPLANATION OF STATISTICAL FLAGS

GENERAL

Flag Statistical Statement

NA Insufficient or inappropriate data to complete one or more of the statistical tests

NONCATEGORICAL DATA

Flag Statistical Statement

Parametric (PA)

- L- The response is linearly related to dose ($p \leq 0.05$) with a negative slope
- L-- The response is linearly related to dose ($p \leq 0.01$) with a negative slope
- L+ The response is linearly related to dose ($p \leq 0.05$) with a positive slope
- L++ The response is linearly related to dose ($p \leq 0.01$) with a positive slope
- * Significantly different from control ($p \leq 0.05$; Dunnett's)
- ** Significantly different from control ($p \leq 0.01$; Dunnett's)

Nonparametric (NP)

- L- The response is linearly related to dose ($p \leq 0.05$) with a negative slope
- L-- The response is linearly related to dose ($p \leq 0.01$) with a negative slope
- L+ The response is linearly related to dose ($p \leq 0.05$) with a positive slope
- L++ The response is linearly related to dose ($p \leq 0.01$) with a positive slope
- * Significantly different from control ($p \leq 0.05$; Mann-Whitney)
- ** Significantly different from control ($p \leq 0.01$; Mann-Whitney)

CATEGORICAL DATA

Flag Statistical Statement

- C+ Significantly different from control ($p \leq 0.05$; uncorrected Chi Square)
- C++ Significantly different from control ($p \leq 0.01$; uncorrected Chi Square)

APPENDIX 1
SUMMARY TABLES

STUDY NUMBER: 94007
 DMEN NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

SUMMARY OF BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

SEX: MALE

GROUP	TARGET DOSE	DATE (1994): DAY OF STUDY:	PRE- TEST	11-JAN	18-JAN	25-JAN	2-FEB
				7	14	21	29
MV1 50000. PPM		MEAN	181.6	231.3	293.2	348.0	382.1
VEHICLE CONTROL		STD. DEV.	10.43	7.32	13.56	21.53	30.02
MON 46001		SAMPLE SIZE	10	10	10	10	10
M1 50000. PPM		MEAN	181.1	226.9	296.2	354.6	383.2
TEST GROUP		STD. DEV.	10.63	14.26	17.88	25.23	29.04
MON 46002		SAMPLE SIZE	10	10	10	10	10

--- LEGEND ---

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)

NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

SUMMARY OF BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

SEX: FEMALE

GROUP	TARGET DOSE	DATE (1994): DAY OF STUDY:	PRE- TEST	11-JAN 7	18-JAN 14	25-JAN 21	1-FEB 28
FV1	50000, PPM VEHICLE CONTROL MON 46001	MEAN STD. DEV. SAMPLE SIZE	160.2 6.99 10	180.8 8.28 10	205.4 9.82 10	222.6 12.42 10	234.9 15.23 10
F1	50000, PPM TEST GROUP MON 46002	MEAN STD. DEV. SAMPLE SIZE	160.5 8.40 10	177.5 12.77 10	201.2 17.01 10	215.4 22.16 10	227.1 16.69 10

--- LEGEND ---

- * -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
- ** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
- BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)
- NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 94007
 DMEN NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

SUMMARY OF BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

SEX: M/F

GROUP	TARGET DOSE	DATE (1994): DAY OF STUDY:	PREF-	11-JAN	18-JAN	25-JAN	2-FEB
			TEST	7	14	21	29
MV2	100000. PPM	MEAN	180.7	226.4	285.9	334.7	365.2
VEHICLE CONTROL		STD. DEV.	9.92	12.28	14.38	18.30	20.00
MON 46001		SAMPLE SIZE	10	10	10	10	10
M2	100000. PPM	MEAN	180.9	218.1	278.6	326.4	346.3
TEST GROUP		STD. DEV.	10.38	9.33	16.14	23.41	30.21
MON 46002		SAMPLE SIZE	10	10	10	10	10

- - - L E G E N D - - -

- * -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
- ** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
- BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)
- NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

SUMMARY OF BODY WEIGHT DATA (GM)
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY
 SEX: FEMALE

GROUP	TARGET DOSE	DATE (1994): DAY OF STUDY:	PRE-TFST	11-JAN 7	18-JAN 14	25-JAN 21	1-FEB 28
FV2	100000. PPM	MEAN	160.6	181.5	196.1	213.7	222.6
VEHICLE CONTROL		STD. DEV.	8.03	7.92	9.04	7.72	9.44
MON 46001		SAMPLE SIZE	10	10	10	10	10
F2	100000. PPM	MEAN	159.7	172.6	197.9	216.8	224.9
TEST GROUP		STD. DEV.	8.48	8.48	10.81	12.58	14.30
MON 46002		SAMPLE SIZE	10	10	10	10	10

--- LEGEND ---

- * -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
- ** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
- BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P \leq .01$)
- NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES (GM)
SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY

REPORT PRINT DATE: 7-FEB-94
STUDY START DATE: 5-JAN-94

SEX: MALE

FROM DATE:	5-JAN-94	5-JAN-94	5-JAN-94	5-JAN-94	
TO DATE :	11-JAN-94	18-JAN-94	25-JAN-94	2-FEB-94	
DAY OF STUDY (FROM-TO):	1- 7	1- 14	1- 21	1- 29	
MV1 VEHICLE CONTROL	MEAN GM	49.79	111.59	166.48	200.57
50000 PPM	STD. DEV.	8.461	15.971	22.781	31.959
MON 46001	SAMPLE SIZE	10	10	10	10
M1 TEST GROUP	MEAN GM	45.80	115.08	173.51	202.02
50000 PPM	STD. DEV.	9.546	13.403	19.219	22.578
MON 46002	SAMPLE SIZE	10	10	10	10

- - - L E G E N D - - -

- * - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.05$)
** - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.01$)
NA - DUNNETT'S TEST NOT APPROPRIATE FOR THIS PERIOD

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

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STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEFD)

SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES (GM)

REPORT PRINT DATE: 7-FEB-94

SPECIES: RAT

STRAIN BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

SEX: FEMALE

DAY OF STUDY (FROM-TO):	FROM DATE:	5-JAN-94	5-JAN-94	5-JAN-94	5-JAN-94
	TO DATE :	11-JAN-94	18-JAN-94	25-JAN-94	1-FEB-94
		1- 7	1- 14	1- 21	1- 28
F1 VEHICLE CONTROL	MEAN GM	20.62	45.16	62.35	74.75
50000 PPM	STD. DEV.	4.647	7.351	10.134	11.635
MON 46001	SAMPLE SIZE	10	10	10	10
F1 TEST GROUP	MEAN GM	16.98	40.67	54.89	66.55
50000 PPM	STD. DEV.	7.903	11.404	16.681	11.823
MON 46002	SAMPLE SIZE	10	10	10	10

--- LEGEND ---

* - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.05$)** - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.01$)

NA - DUNNETT'S TEST NOT APPROPRIATE FOR THIS PERIOD

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

Table 2

Appendix 1

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STUDY NUMBER: 94007
DMEH NUMBER: M1 94009
RTE OF ADMIN: D&AL (FEED)

SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES (GM)

REPORT PRINT DATE: 7-FEB-94

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN 94

SEX: MALE

FROM DATE:	5-JAN-94	5-JAN-94	5-JAN-94	5-JAN-94
TO DATE :	11-JAN-94	18-JAN-94	25-JAN-94	2-FEB-94
DAY OF STUDY (FROM-TO):	1- 7	1- 14	1- 21	1- 29

MV2 VEHICLE CONTROL	MEAN GM	45.74	105.18	153.99	184.45
100000 PPM	STD. DEV.	7.174	10.052	15.702	18.062
MON 46001	SAMPLE SIZE	10	10	10	10
M2 TEST GROUP	MEAN GM	37.25*	97.72	145.56	165.48
100000 PPM	STD. DEV.	6.427	13.926	21.220	29.303
MON 46002	SAMPLE SIZE	10	10	10	10

- - - L E G E N D - - -

- * - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE (P < 0.05)
** - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE (P < 0.01)
NA - DUNNETT'S TEST NOT APPROPRIATE FOR THIS PERIOD

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES (GM)

REPORT PRINT DATE: 7-FEB-94

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

SEX: FEMALE

DAY OF STUDY (FROM-TO):	FROM DATE:	5-JAN-94	5-JAN-94	5-JAN-94	5-JAN-94
	TO DATE :	11-JAN-94	18-JAN-94	25-JAN-94	1-FEB-94
FV2 VEHICLE CONTROL 100000 PPM MON 46001	MEAN GM STD. DEV. SAMPLE SIZE	20.93 6.731 10	35.50 9.684 10	53.17 9.931 10	62.03 9.695 10
F2 TEST GROUP 100000 PPM MON 46002	MEAN GM STD. DEV. SAMPLE SIZE	(12.87) 6.659 10	38.16 10.515 10	57.08 10.033 10	(65.12) 11.014 10

- - - L E G E N D - - -

- * - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.05$)
** - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.01$)
NA - DUNNETT'S TEST NOT APPROPRIATE FOR THIS PERIOD

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

STUDY NUMBER: 94007

PAGE 2

Table 2

Appendix 1

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EHL 94007

SUMMARY OF FOOD CONSUMPTION DATA		
STUDY NUMBER: 94007	SPECIES: RAT	STP/IN. SPEED: SPRAGUE-DAWLEY
DMEH NUMBER: ML94009		STUDY START DATE: 5-JAN-94
RTE OF ADMIN: ORAL (FFFD)		
SEX: MU.F		
FROM DATE : 5-JAN-94	11-JAN-94	18-JAN-94
TO DATE : 11-JAN-94	18-JAN-94	25-JAN-94
DAY OF STUDY (FROM-TO) : 1-7	7-14	14-21
VEHICLE CONTROL	MEAN GM/DAY	29.6
MV1 50000. PPM	STD. DEV.	2.59
MON 46001	SAMPLE SIZE	10
M1 TEST GROUP	MEAN GM/DAY	27.6
50000. PPM	STD. DEV.	2.54
MON 46002	SAMPLE SIZE	9

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Table 3 Appendix 1

* --- COCHRAN'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P \leq .05$)
 ** --- COCHRAN'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P \leq .01$)
 3* --- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P \leq .01$)
 NS --- BURGESS' TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

PAGE 1
 RHESSANTO ENVIRONMENTAL HEALTH LABORATORY
 STUDY NUMBER: 94007

THIS DPT GFNL ID F DATA KED DOUGH FEB-

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

SUMMARY OF FOOD CONSUMPTION DATA
SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94
SEX: FEMALE

FROM DATE : 5-JAN-94 11-JAN-94 18-JAN-94 25-JAN-94
TO DATE : 11-JAN-94 18-JAN-94 25-JAN-94 1-FEB-94
DAY OF STUDY (FROM-TO) : 1-7 7-14 14-21 21-28

F1 VEHICLE CONTROL		MEAN GM/DAY	16.5	18.2	17.6	18.6
50000. PPM		STD. DEV.	1.16	1.21	0.98	1.36
MON 46001		SAMPLE SIZE	10	10	10	10
F1 TEST GROUP		MEAN GM/DAY	16.0	17.9	17.2	18.2
50000. PPM		STD. DEV.	1.76	1.72	1.80	1.21
MON 46002		SAMPLE SIZE	10	10	10	10

- - - L E G E N D - - -

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)

** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)

BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)

NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

SUMMARY OF FOOD CONSUMPTION DATA
 SPECIES: RAT STRAIN/REFID: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

SEX: M/F

FROM DATE : 5-JAN-94 11-JAN-94 18-JAN-94 25-JAN-94
 TO DATE : 11-JAN-94 18-JAN-94 5-JAN-94 2-FEB-94
 DAY OF STUDY (FROM-TO) : 1-7 7-14 14-21 21-29

MV2 VEHICLE CONTROL	MEAN GM/DAY	21.4	26.8	28.2	28.6
100000. PPM	STD. DEV.	1.37	1.55	1.75	1.73
MON 46001	SAMPLE SIZE	10	10	10	10

M2 TEST GROUP	MEAN GM/DAY	21.5	25.8	27.9	27.9
100000. PPM	STD. DEV.	1.25	2.02	2.79	2.72
MON 46002	SAMPLE SIZE	10	10	10	10

--- LEGEND ---

- * -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
- ** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
- BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)
- NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

EHL 94007

Table 3

Appendix 1

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HIS ORT TENE D F DATA KED UGH 'EB-

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: OPAL (FEED)

SUMMARY OF FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

SEX: FEMALE

FROM DATE : 5-JAN-94 11-JAN-94 18-JAN-94 25-JAN-94

TO DATE : 11-JAN-94 18-JAN-94 15-JAN-94 1-FEB-94

DAY OF STUDY (FROM-TO) : 1-7 7-14 14-21 21-28

FV2 VEHICLE CONTROL		MEAN GM/DAY	17.1	18.0	19.0	19.4
100000.	PPM	STD. DEV.	2.95	2.92	2.14	2.72
MON 46001		SAMPLE SIZE	10	10	10	10
F2 TEST GROUP		MEAN GM/DAY	(14.5*)	17.0	18.0	18.5
100000.	PPM	STD. DEV.	(1.75)	1.32	1.36	1.68
MON 46002		SAMPLE SIZE	10	10	10	10

- - - L E G E N D - - -

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P \leq .05$)

** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P \leq .01$)

BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P \leq .01$)

NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

Table 3

Appendix 1

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM
 SEX: MALE

REPORT DATES FROM-TO: 5-JAN-1994 - 2-FEB-1994
 DAY OF STUDY FROM-TO: 1-29

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED : 50000. PPM
94007MV1 001	4523.87	305.14	3857.32	5251.92	
94007MV1 002	4244.13	311.35	3535.13	4916.38	
94007MV1 003	4786.77	286.18	4161.64	5285.82	
94007MV1 004	4508.20	322.51	3839.96	5281.19	
94007MV1 005	4684.34	281.76	3950.18	5161.99	
94007MV1 006	4414.76	294.26	3735.91	4994.31	
94007MV1 007	4488.19	303.72	3786.31	5221.50	
94007MV1 008	4546.98	236.52	3999.88	5094.58	
94007MV1 009	4044.11	153.09	3689.76	4435.60	
94007MV1 010	4521.86	381.65	3475.71	5107.42	

OVERALL GROUP MEAN: 4476.32

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Table 4 Appendix 1 Page 32
 EHL 94007

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA
 SPECIES: RAT STRAIN/BRFED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 100000. PPM

SEX: MALE

REPORT DATES FROM-TO: 5-JAN-1994 - 2-FEB-1994
 DAY OF STUDY FROM-TO: 1-29

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED :
94007MV2 001	8786.25	561.51	7760.42	9810.58	
94007MV2 002	8560.41	267.06	7886.72	9083.80	
94007MV2 003	8932.45	457.11	7768.65	9734.52	
94007MV2 004	8200.96	329.33	7436.40	8852.62	
94007MV2 005	9093.77	300.59	8284.71	9716.51	
94007MV2 006	8800.05	430.03	7833.68	9614.98	
94007MV2 007	8806.67	406.67	7810.47	9683.04	
94007MV2 008	8636.53	410.44	7524.79	9347.73	
94007MV2 009	9133.20	354.24	8323.00	9825.35	
94007MV2 010	8808.83	446.74	7792.62	9789.64	

OVERALL GROUP MEAN: 8775.91

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

SEX: MALE

REPORT DATES FROM-TO: 5-JAN-1994 - 2-FEB-1994
 DAY OF STUDY FROM-TO: 1-29

ANIMAL		MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED : 50000. PPM
94007M1	001	4540.67	253.39	3987.46	5135.58	
94007M1	002	3982.28	313.88	3224.11	4705.29	
94007M1	003	4453.23	310.07	3744.01	5174.07	
94007M1	004	4494.43	474.93	3891.54	5431.55	
94007M1	005	4640.62	305.85	3915.64	5305.06	
94007M1	006	4714.66	454.23	3825.98	5322.25	
94007M1	007	4658.15	385.20	3878.87	5637.07	
94007M1	008	4307.78	240.35	3792.30	4830.87	
94007M1	009	4384.94	230.48	3845.37	4837.21	
94007M1	010	4564.62	212.78	4085.49	5281.05	

OVERALL GROUP MEAN: 4467.27

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 7-FEB-94

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FFED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA
SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP SEX: MALE
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM

REPORT DATES FROM-TO: 5-JAN-1994 - 2-FEB-1994
DAY OF STUDY FROM-TO: 1-29

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED :
94007M2 001	8690.21	409.61	7684.88	9402.63	100000. PPM
94007M2 002	8489.99	381.17	7501.71	9360.84	
94007M2 003	9301.83	469.32	8389.12	10541.44	
94007M2 004	8984.09	401.01	8193.46	10058.11	
94007M2 005	8916.43	310.31	8063.11	9528.04	
94007M2 006	8749.31	416.96	7633.20	9541.93	
94007M2 007	9379.55	491.97	8362.23	10645.31	
94007M2 008	8722.03	370.28	7869.97	9521.57	
94007M2 009	8748.04	374.98	7942.18	9474.69	
94007M2 010	9291.26	533.82	8033.36	10438.59	

OVERALL GROUP MEAN: 8927.27

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STUDY NUMBER: 94007
 DMEN NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFFF)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM
 SEX: FEMALE

REPORT DATES FROM-TO: 5-JAN-1994 - 1-FEB-1994
 DAY OF STUDY FROM-TO: 1-28

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED : 50000. PPM
94007FV1 001	4102.50	136.91	3851.31	4385.26	
94007FV1 002	4309.64	223.40	3866.94	4850.04	
94007FV1 003	4169.36	166.36	3826.53	4562.65	
94007FV1 004	4102.70	139.71	3840.18	4429.97	
94007FV1 005	4240.66	134.49	3919.40	4531.43	
94007FV1 006	4238.73	226.10	3780.45	4733.12	
94007FV1 007	4131.41	97.11	3966.78	4357.71	
94007FV1 008	4180.23	187.55	3807.84	4529.41	
94007FV1 009	4352.01	155.11	4061.32	4709.07	
94007FV1 010	4185.49	136.71	4113.19	4727.99	

OVERALL GROUP MEAN: 4221.28

Contains trade secret or otherwise confidential information of Monsanto Company

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 100000. PPM

REPORT DATES FROM-TO: 5-JAN-1994 ~ 1-FEB-1994
 DAY OF STUDY FROM-TO: 1-28

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED :	100000. PPM
94007FV2 001	9752.96	1233.83	8051.57	13357.98		
94007FV2 002	10813.97	694.69	9506.77	12561.46		
94007FV2 003	8815.63	207.88	8337.15	9351.22		
94007FV2 004	7983.61	189.50	7554.73	8354.34		
94007FV2 005	8764.05	62.46	8619.85	8921.56		
94007FV2 006	10232.06	570.82	9172.56	11453.26		
94007FV2 007	8436.18	77.99	8207.24	8547.01		
94007FV2 008	8437.39	185.52	8113.92	8960.78		
94007FV2 009	8421.27	135.28	8165.99	8738.52		
94007FV2 010	8720.91	158.27	8390.67	9134.98		

OVERALL GROUP MEAN: 90117.80

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP SEX: FEMALE
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

REPORT DATES FROM-TO: 5-JAN-1994 - 1-FEB-1994
 DAY OF STUDY FROM-TO: 1-28

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED : 50000. PPM
94007F1 001	4027.22	195.95	3623.88	4437.00	
94007F1 002	4378.33	147.40	3995.28	4667.28	
94007F1 003	4202.05	194.71	3835.70	4721.77	
94007F1 004	4388.34	183.29	4047.50	4844.03	
94007F1 005	4320.18	160.68	4069.90	4757.15	
94007F1 006	4161.59	108.71	3895.04	4405.89	
94007F1 007	4066.16	78.79	3887.38	4214.34	
94007F1 008	4375.21	179.89	4066.66	4801.77	
94007F1 009	4199.15	251.14	3695.82	4895.15	
94007F1 010	4206.22	175.12	3896.63	4574.45	

OVERALL GROUP MEAN: 4232.45

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

CHEMICAL CONSUMPTION (MG/KG/DAY) MEAN DATA

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 100000. PPM

REPORT DATES FROM-TO: 5-JAN-1994 - 1-FEB-1994
 DAY OF STUDY FROM-TO: 1-28

ANIMAL	MEAN	SEM	MINIMUM	MAXIMUM	DOSE USED : 100000. PPM
94007F2 001	8333.02	146.86	8054.57	8689.01	
94007F2 002	8340.61	242.17	7708.34	8817.62	
94007F2 003	8395.19	211.98	8101.34	9024.75	
94007F2 004	8751.33	523.82	7231.20	9597.20	
94007F2 005	7904.36	106.86	7617.26	8114.67	
94007F2 006	8236.56	290.82	7823.72	9090.07	
94007F2 007	8722.81	226.79	8390.11	9392.42	
94007F2 008	8256.89	375.34	7490.25	9261.29	
94007F2 009	8239.85	136.37	7867.67	8474.08	
94007F2 010	8506.64	229.97	8033.98	8958.47	

OVERALL GROUP MEAN: 8368.72

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

SUMMARY OF CLINICAL SIGNS

REPORT PRINT DATE: 7-FEB-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

CATEGORY	OBSERVATION	GEN.	SEX	WINDOW	GROUP	NO. ANIMALS	NO. OF
						AFFECTED	OCCURRENCES
DEATH	SCHEDULED SACRIFICE	M	D7-30	MV1	10	10	
				MV2	10	10	
				M1	10	10	
				M2	10	10	
	SCAB(S)	F	D7-30	FV1	10	10	
				FV2	10	10	
				F1	10	10	
				F2	10	10	
INTEGUMENT	SCAB(S)	M	D7-30	MV2	1	1	

Table 5

Appendix 1

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

SUMMARY OF TERMINAL BODY AND ORGAN WEIGHT DATA (GM)

REPORT PRINT DATE: 18-JUL-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ITEM OF INTEREST	GEN.	SEX	PERIOD	WINDOW	GROUP	MEAN	CONTROL	STD.DEV.	N	STAT FLAGS
TERM. BODY WGT.		M	1	D27-31	MV1	353.4600	(104)	25.7003	10	(PA)
		M1			M1	366.7000		25.6855	10	
KIDNEY(S)		F	1	D27-31	FV1	213.7800	(97)	12.6280	10	(PA)
		F1			F1	206.4800		14.9940	10	
LIVER		M	1	D27-31	MV1	3.2415	(102)	0.2234	10	(PA)
		M1			M1	3.3199		0.2909	10	
TESTIS(ES)		F	1	D27-31	FV1	1.8292	(101)	0.2094	10	(PA)
		F1			F1	1.8467		0.2263	10	
TESTIS(ES)		M	1	D27-31	MV1	11.9584	(100)	1.2964	10	(PA)
		M1			M1	11.9114		1.8487	10	
TESTIS(ES)		F	1	D27-31	FV1	6.7554	(101)	0.5872	10	(PA)
		F1			F1	6.8304		0.7179	10	
TESTIS(ES)		M	1	D27-31	MV1	3.1979	(101)	0.1521	10	(PA)
		M1			M1	3.2207		0.2169	10	

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STUDY NUMBER: 94007

RTE OF ADMIN: ORAL (FEED)

STUDY START DATE: 5-JAN-1994

SUMMARY OF TERMINAL BODY AND ORGAN WEIGHT DATA (GM)

REPORT PRINT DATE: 18-JUL-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ITEM OF INTEREST	GEN.	SEX	PERIOD	WINDOW	GROUP	MEAN	% CONTROL	STD. DEV.	N	STAT FLAGS
TERM. BODY WGT.		M	1	D27-31	MV2	341.5300		16.7300	10	(PA) L-
					M2	316.9500*	(93)	28.5942	10	
KIDNEY (S)		F	1	D27-31	FV2	202.7400		9.1510	10	(PA)
					F2	204.2500	(101)	11.8771	10	
LIVER		M	1	D27-31	MV2	3.2225		0.2503	10	(PA)
					M2	3.0777	(96)	0.3148	10	
TESTIS (ES)		F	1	D27-31	FV2	1.8293		0.1264	10	(PA)
					F2	1.7632	(96)	0.1295	10	
		M	1	D27-31	MV2	11.3436		1.0054	10	(PA)
					M2	11.4717	(101)	1.1522	10	
		F	1	D27-31	FV2	6.6803		0.6181	10	(PA)
					F2	6.9542	(104)	0.5441	10	
		M	1	D27-31	MV2	3.3524		0.2928	10	(PA)
					M2	3.4414	(103)	0.2263	10	

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

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Table 6

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

SUMMARY OF TERMINAL BODY AND ORGAN WEIGHT DATA (GM)

REPORT PRINT DATE: 18-JUL-1994

SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

EXPLANATION OF STATISTICAL FLAGS

Flag	GENERAL Statistical Statement
NA	Statistics not done, insufficient or inappropriate data
Flag	NONCATEGORICAL DATA Statistical Statement
Parametric (PA)	
L-	The response is linearly related to dose ($p \leq 0.05$) with a negative slope
L--	The response is linearly related to dose ($p \leq 0.01$) with a negative slope
L+	The response is linearly related to dose ($p \leq 0.05$) with a positive slope
L++	The response is linearly related to dose ($p \leq 0.01$) with a positive slope
*	Significantly different from control ($p \leq 0.05$; Dunnett's)
**	Significantly different from control ($p \leq 0.01$; Dunnett's)
Nonparametric (NP)	
L-	The response is linearly related to dose ($p \leq 0.05$) with a negative slope
L--	The response is linearly related to dose ($p \leq 0.01$) with a negative slope
L+	The response is linearly related to dose ($p \leq 0.05$) with a positive slope
L++	The response is linearly related to dose ($p \leq 0.01$) with a positive slope
*	Significantly different from control ($p \leq 0.05$; Mann-Whitney)
**	Significantly different from control ($p \leq 0.01$; Mann-Whitney)
Flag	CATEGORICAL DATA Statistical Statement
C+	Significantly different from control ($p \leq 0.05$; uncorrected Chi square)
C++	Significantly different from control ($p \leq 0.01$; uncorrected Chi square)

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

ORGAN WEIGHTS RELATIVE TO TERMINAL BODY WEIGHTS (%)

REPORT PRINT DATE: 18-JUL-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ITEM OF INTEREST	GEN.	SEX	PERIOD	WINDOW	GROUP	MEAN	%CONTROL	STD. DEV.	N	STAT FLAGS
KIDNEY(S)		M	1	D27-31	MV1	0.9191		0.0590	10	(PA)
					M1	0.9058	(99)	0.0533	10	
LIVER		F	1	D27-31	FV1	0.8548		0.0727	10	(PA)
					F1	0.8962	(105)	0.1068	10	
TESTIS(ES)		M	1	D27-31	MV1	3.3789		0.2301	10	(PA)
					M1	3.2360	(96)	0.3224	10	
		F	1	D27-31	FV1	3.1614		0.2195	10	(PA)
					F1	3.3110	(105)	0.2883	10	
		M	1	D27-31	MV1	0.9077		0.0559	10	(PA)
					M1	0.8809	(97)	0.0690	10	

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

ORGAN WEIGHTS RELATIVE TO TERMINAL BODY WEIGHTS (%)

REPORT PRINT DATE: 18-JUL-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ITEM OF INTEREST	GEN.	SEX	PERIOD	WINDOW	GROUP	MEAN	% CONTROL	STD.DEV.	N	STAT FLAGS
KIDNEY(S)		M	1	D27-31	MV2	0.9447	(103)	0.0759	10	(PA)
					M2	0.9717		0.0581	10	
LIVER		F	1	D27-31	FV2	0.9027	(96)	0.0539	10	(PA)
					F2	0.8633		0.0402	10	
TESTIS(ES)		M	1	D27-31	MV2	3.3220	(109)	0.2535	10	(PA) L+
					M2	3.6232*		0.2239	10	
		F	1	D27-31	FV2	3.2941	(103)	0.2482	10	(PA)
					F2	3.4021		0.1163	10	
		M	1	D27-31	MV2	0.9846	(111)	0.1070	10	(PA) L+
					M2	1.0932*		0.1172	10	

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Table 7

Appendix 1

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

ORGAN WEIGHTS RELATIVE TO TERMINAL BODY WEIGHTS (%)

REPORT PRINT DATE: 18-JUL-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

EXPLANATION OF STATISTICAL FLAGS

Flag

GENERAL
Statistical Statement

NA Statistics not done, insufficient or inappropriate data

Flag

NONCATEGORICAL DATA
Statistical Statement

Parametric (PA)

- L- The response is linearly related to dose ($p<=0.05$) with a negative slope
- L-- The response is linearly related to dose ($p<=0.01$) with a negative slope
- L+ The response is linearly related to dose ($p<=0.05$) with a positive slope
- L++ The response is linearly related to dose ($p<=0.01$) with a positive slope
- * Significantly different from control ($p<=0.05$; Dunnett's)
- ** Significantly different from control ($p<=0.01$; Dunnett's)

Nonparametric (NP)

- L- The response is linearly related to dose ($p<=0.05$) with a negative slope
- L-- The response is linearly related to dose ($p<=0.01$) with a negative slope
- L+ The response is linearly related to dose ($p<=0.05$) with a positive slope
- L++ The response is linearly related to dose ($p<=0.01$) with a positive slope
- * Significantly different from control ($p<=0.05$; Mann-Whitney)
- ** Significantly different from control ($p<=0.01$; Mann-Whitney)

Flag

CATEGORICAL DATA
Statistical Statement

- C+ Significantly different from control ($p<=0.05$; uncorrected Chi square)
- C++ Significantly different from control ($p<=0.01$; uncorrected Chi square)

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 4-FEB-94

STUDY NO: 94007

***** MONSANTO ENVIRONMENTAL HEALTH LAB *****
PATHOLOGY SECTION

PAGE: 1

STUDY TYPE: SC SPECIES: RAT

SUBSTANCE: MON 46002

PRINTED: 27-MAY-94

** SUMMARY INCIDENCE OF INDIVIDUAL GROSS NECROPSY ALTERATIONS **

SELECTION CRITERIA: ALL DEATHS REPORTED

	NO. IN GROUP AT RISK:	M A L E			
		MV1 10	MV2 10	M1 10	M2 10
KIDNEY(S) -HYDRONEPHROSIS		2	1	1	1
LIVER -MASS/NODULE		0	0	0	0
SKIN -ABRASION		0	1	0	0
LY. NODE, SUBMAX. -ENLARGED/PROMINENT		3	1	0	1
SPLIFFEN -PROMINENT/THICKENED CAPSULE		0	0	1	0
SEM. VESICLE(S) -ATROPHY/SMALL		0	0	0	2
URINARY BLADDER -THICK WALLED -CALCULUS		1 0	0 0	0 0	0 1
UTERUS -HYDROMETRA		0	0	0	0

Table 8

Appendix 1

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STUDY NO: 94007

***** MONSANTO ENVIRONMENTAL HEALTH LAB *****
PATHOLOGY SECTION

PAGE: 1

STUDY TYPE: SC SPECIES: RAT

SUBSTANCE: MON 46002

PRINTED: 27-MAY-94

** SUMMARY INCIDENCE OF INDIVIDUAL GROSS NECROPSY ALTERATIONS **
SELECTION CRITERIA: ALL DEATHS REPORTED

	NO. IN GROUP AT RISK:	F E M A L E			
		FV1	FV2	F1	F2
KIDNEY(S)		0	0	0	0
-HYDRONEPHROSIS					
LIVER		0	1	0	0
-MASS/NODULE					
SKIN		0	0	0	0
-ABRASION					
LY. NODE, SURMAX.		1	1	0	0
-ENLARGED/PROMINENT					
SPLEEN		0	0	0	0
-PROMINENT/THICKENED CAPSULE					
SEM. VESICLE(S)		0	0	0	0
-ATROPHY/SMALL					
URINARY BLADDER		0	0	0	0
-THICK WALLED		0	0	0	0
-CALCULUS					
UTERUS		0	1	0	0
-HYDROMETRA					

APPENDIX 2
INLIFE OBSERVATIONS

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFED)

INDIVIDUAL BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM

SEX: MALE

ANIMAL	DAY OF STUDY:	DATE (1994):	PRE-	11-JAN	18-JAN	25-JAN	2-FEB
		TEST	7	14	21	29	
94007MV1 001		168.2	234.2	298.1	351.1	396.0	
94007MV1 002		182.7	231.2	284.0	340.1	366.5	
94007MV1 003		177.2	224.5	296.9	371.9	414.5	
94007MV1 004		200.0	235.9	290.3	341.9	357.1	
94007MV1 005		181.1	231.5	301.5	356.8	385.9	
94007MV1 006		173.5	234.1	308.5	366.0	408.2	
94007MV1 007		169.0	213.7	259.7	294.4	313.3	
94007MV1 008		180.6	232.6	301.9	359.7	399.7	
94007MV1 009		194.1	238.4	292.6	343.0	381.8	
94007MV1 010		189.2	237.4	298.0	355.5	398.3	

Table 1

Appendix 2

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FFFD)

INDIVIDUAL BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL.
SUBSTANCE : MON 46001
TARGET DOSE : 100000. PPM

SEX: MALE

ANIMAL	DAY OF STUDY:	TEST	DATE (1994):	PRE-	11-JAN	18-JAN	25-JAN	2-FEB
					7	14	21	29
94007MV2 001				177.4	235.8	290.6	345.8	360.0
94007MV2 002				187.2	234.3	302.7	363.7	393.7
94007MV2 003				194.5	248.6	313.0	356.4	395.5
94007MV2 004				194.3	235.9	294.3	341.4	365.6
94007MV2 005				186.8	218.7	271.5	320.3	342.8
94007MV2 006				171.1	218.5	271.6	306.7	339.4
94007MV2 007				176.6	222.2	287.1	342.7	384.9
94007MV2 008				173.8	217.7	273.3	322.4	353.0
94007MV2 009				164.5	206.2	273.2	330.5	363.0
94007MV2 010				180.9	226.6	281.6	317.1	353.7

Table 1

Appendix 2

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PAGE 2

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

STUDY NUMBER: 94007

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL BODY WEIGHT DATA (GM)
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

SEX: MALE

ANIMAL	DATE (1994): DAY OF STUDY:	PRE-	11-JAN	18-JAN	25-JAN	2-FEB
		TEST	7	14	21	29
94007M1 001		184.7	234.8	299.3	363.5	390.6
94007M1 002		178.0	216.6	298.2	356.9	390.0
94007M1 003		182.0	225.0	296.9	353.1	396.8
94007M1 004		165.7	212.8	270.2	313.0	345.3
94007M1 005		173.8	224.0	294.2	350.5	390.9
94007M1 006		175.3	228.6	303.4	368.5	393.2
94007M1 007		202.4	262.4	337.3	410.8	439.4
94007M1 008		187.8	229.6	296.7	352.3	381.2
94007M1 009		190.1	215.0	276.2	334.0	369.6
94007M1 010		171.6	220.6	289.8	343.9	331.6

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM

SEX: MALE

ANIMAL	DAY OF STUDY:	DATE (1994):	PRE-	11-JAN	18-JAN	25-JAN	2-FEB
		TEST	7	14	21	21	
94007M2 001		198.0	233.8	297.0	342.4	362.4	
94007M2 002		183.7	206.0	255.5	293.0	292.1	
94007M2 003		178.3	220.4	283.6	334.0	358.5	
94007M2 004		181.1	223.7	288.3	329.8	351.5	
94007M2 005		194.4	225.3	286.9	344.2	371.6	
94007M2 006		174.0	210.3	249.7	282.6	292.5	
94007M2 007		171.3	212.3	284.4	345.3	374.9	
94007M2 008		172.6	212.5	271.1	322.9	350.7	
94007M2 009		188.8	227.8	296.6	354.2	367.5	
94007M2 010		166.4	209.0	272.7	315.8	341.7	

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFFF)

INDIVIDUAL BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM

SEX: FEMALE

ANIMAL	DATE (1994): DAY OF STUDY:	PRE- TEST	11-JAN	18-JAN	25-JAN	1-FEB
			7	14	21	28
94007FV1 001		162.2	174.5	196.6	213.1	216.4
94007FV1 002		172.1	194.5	216.3	233.4	253.8
94007FV1 003		163.6	189.4	217.0	243.6	255.3
94007FV1 004		155.0	180.4	196.7	220.6	220.9
94007FV1 005		160.2	178.2	207.3	225.8	241.1
94007FV1 006		161.8	186.1	212.6	230.1	237.5
94007FV1 007		167.8	183.2	203.7	215.0	238.8
94007FV1 008		151.0	170.0	194.7	209.1	226.6
94007FV1 009		158.5	183.4	216.3	231.1	246.7
94007FV1 010		149.8	168.5	192.4	203.7	212.4

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL BODY WEIGHT DATA (GM)

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
SUBSTANCE : MON 46001
TARGET DOSE : 100000, PPM

SEX: FEMALE

ANIMAL	DAY OF STUDY:	DATE (1994):	PRE-	11-JAN	18-JAN	25-JAN	1-FEB
		TEST	7	14	21	28	
94007FV2 001		163.3	175.8	186.9	203.5	208.3	
94007FV2 002		160.5	184.9	206.3	223.6	233.5	
94007FV2 003		150.9	175.2	192.7	211.9	218.3	
94007FV2 004		164.3	187.3	204.0	207.4	231.9	
94007FV2 005		174.6	200.0	213.6	229.3	236.0	
94007FV2 006		153.6	183.7	194.8	214.7	219.9	
94007FV2 007		149.9	175.5	196.0	215.6	218.1	
94007FV2 008		170.6	179.3	188.1	208.6	219.2	
94007FV2 009		159.1	174.3	189.8	213.0	228.8	
94007FV2 010		158.7	178.8	188.3	209.6	211.8	

Table 1

Appendix 2

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STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL BODY WEIGHT DATA (GM)
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM
 SEX: FEMALE

ANIMAL	DATE (1994): DAY OF STUDY:	PRE- TEST	11-JAN	18-JAN	25-JAN	1-FEB
			7	14	21	28
94007F1 001		175.3	186.5	216.5	229.7	238.3
94007F1 002		145.7	164.8	187.4	199.7	212.9
94007F1 003		161.2	183.9	211.2	232.6	241.9
94007F1 004		158.0	166.7	182.3	194.3	214.1
94007F1 005		168.0	200.4	229.2	240.8	252.2
94007F1 006		153.2	158.5	177.8	183.2	199.0
94007F1 007		159.1	174.8	193.7	202.2	215.9
94007F1 008		154.9	173.2	192.7	197.6	225.4
94007F1 009		162.5	176.1	203.7	228.9	228.1
94007F1 010		167.1	189.9	217.2	244.9	242.7

THIS REPORT WAS PREPARED ON FEBRUARY 12, 1994.

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL BODY WEIGHT DATA (GM)

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM
SEX: FEMALE

ANIMAL	DAY OF STUDY:	TEST	DATE (1994):	PRE-	11-JAN	18-JAN	25-JAN	1-FEB
				7	14	21	28	
94007F2 001				150.9	158.6	187.1	200.9	208.4
94007F2 002				171.9	176.0	202.7	220.5	228.3
94007F2 003				163.2	183.2	210.0	229.8	234.0
94007F2 004				144.2	167.1	201.4	213.6	220.6
94007F2 005				156.8	160.6	176.4	197.2	198.3
94007F2 006				159.6	179.5	200.6	228.9	230.8
94007F2 007				169.8	179.4	214.1	230.0	241.4
94007F2 008				164.8	178.5	195.9	228.2	234.4
94007F2 009				161.8	175.0	193.7	213.9	230.6
94007F2 010				154.4	168.2	197.1	205.2	215.8

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFED)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM

SEX: MALE

ANIMAL	DATES FROM-TO: 5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 2FEB	
	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY
94007MV1 001	1-7	148 24.6	182 26.0	188 26.8	208 29.7	244 30.5	207 25.9	
94007MV1 002	1-7	136 22.7	219 31.2	231 33.0	176 25.2	207 34.5	219 27.4	
94007MV1 003	1-7	142 23.7	194 27.7	198 28.3	227 32.4	244 30.5	244 30.5	
94007MV1 004	1-7	150 24.9	215 30.7	211 30.2	221 31.3	190 23.7	256 32.0	
94007MV1 005	1-7	143 23.9	208 29.1	227 32.4	244 30.5	225 28.2		
94007MV1 006	1-7	140 23.4	170 24.2	176 25.2	221 31.5	222 27.7		
94007MV1 007	1-7	134 22.3	200 28.6	219 31.3	221 31.5	190 23.7		
94007MV1 008	1-7	142 23.7	182 26.0	192 27.4	221 31.5	222 27.7		
94007MV1 009	1-7	116 19.3	212 30.2	221 31.5	222 27.7			
94007MV1 010	1-7	146 24.3						

Table 2

Appendix 2

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HIS RTE TENE D.F. DATA CED UGH 'EB-

STUDY NUMBER: 94007
DMEN NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL.
SUBSTANCE : MON 46001
TARGET DOSE : 100000. PPM

SEX: MALE

ANIMAL	DATES FROM-TO: 5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 2FEB	
	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY
94007MV2 001	139	23.1	197	28.2	191	27.2	224	27.9
94007MV2 002	128	21.3	188	26.9	214	30.5	248	31.0
94007MV2 003	145	24.2	210	30.0	216	30.8	246	30.7
94007MV2 004	125	20.9	178	25.4	188	26.9	217	27.2
94007MV2 005	128	21.3	177	25.2	204	29.1	227	28.4
94007MV2 006	124	20.6	183	26.1	179	25.5	213	26.6
94007MV2 007	123	20.4	195	27.8	205	29.3	241	30.1
94007MV2 008	122	20.4	175	25.0	192	27.5	212	26.6
94007MV2 009	119	19.8	188	26.8	203	29.0	242	30.2
94007MV2 010	131	22.2	183	26.1	186	26.6	221	27.6

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Table 2 Appendix 2 Page 59
EHL 94007

STUDY NUMBER: 94007
 DMEH NUMBER: MI94009
 RTE OF ADMIN: OPAL (FEED)

INDIVIDUAL FOOD CONSUMPTION DATA
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

SEX: MALE

ANIMAL	DATES FROM-TO: 5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 2FEB		
	DAY FROM-TO:	1-7	7-14	14-21	21-29	GM	GM/DAY	GM	GM/DAY
94007M1 001		145	24.1	199	28.5	218	31.2	249	31.1
94007M1 002		122	20.4	135	19.2	210	30.0	237	29.6
94007M1 003		140	23.3	196	27.9	207	29.6	238	29.7
94007M1 004		139	23.1			182	26.0	215	26.9
94007M1 005		143	23.8	204	29.1	216	30.8	245	30.6
94007M1 006		146	24.3	212	30.3			241	30.1
94007M1 007		178	29.6	230	32.9	244	34.9	273	34.1
94007M1 008		133	22.2	190	27.2	199	28.4	231	28.9
94007M1 009		125	20.8	181	25.9	195	27.6	227	28.4
94007M1 010		140	23.3	190	27.2	197	28.1	225	28.1

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/PRFED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM

SEX: MALE

ANIMAL	DATES FROM-TO:		5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 2FEB	
	DAY FROM-TO:		GM	GM/DAY	GM	GM/DAY	GM	GM/DAY	GM	GM/DAY
94007M2 001		1-7	132	22.0	194	27.7	200	28.6	223	27.9
94007M2 002		1-7	116	19.3	152	21.8	176	25.1	175	21.9
94007M2 003		1-7	139	23.2	188	26.9	206	29.4	241	30.1
94007M2 004		1-7	135	22.5	183	26.2	199	28.4	230	28.8
94007M2 005		1-7	129	21.5	184	26.2	215	30.7	240	30.0
94007M2 006		1-7	120	20.1	161	23.0	151	21.6	202	25.2
94007M2 007		1-7	136	22.6	191	27.3	215	30.8	251	31.3
94007M2 008		1-7	121	20.2	173	24.7	189	27.0	221	27.6
94007M2 009		1-7	130	21.6	193	27.6	205	29.3	234	29.2
94007M2 010		1-7	131	21.8	188	26.9	195	27.9	220	27.5

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 4

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM

SEX: FEMALE

ANIMAL	DATES FROM-TO: 5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 1FEB	
	DAY FROM-TO:	GM GM/DAY	7-14	GM GM/DAY	14-21	GM GM/DAY	21-28	GM GM/DAY
94007FV1 001	90	15.0	121	17.2	115	16.4	118	16.8
94007FV1 002	113	18.9	136	19.4	132	18.8	137	19.6
94007FV1 003	104	17.3	131	18.7	131	18.6	142	20.3
94007FV1 004	96	16.0	117	16.7	119	16.9	121	17.2
94007FV1 005	97	16.2	127	18.1	124	17.7	140	19.9
94007FV1 006	106	17.6	134	19.1	127	18.1	126	18.0
94007FV1 007	96	16.0	121	17.2	119	17.1	133	19.0
94007FV1 008	92	15.4	122	17.4	114	16.3	121	17.3
94007FV1 009	99	16.5	143	20.4	131	18.8	143	20.4
94007FV1 010	96	15.9	121	17.2	117	16.8	126	18.0

Table 2

Appendix 2

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STUDY NUMBER: 94007
 DMEII NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 100000. PPM

SEX: FEMALE

ANIMAL	DATES FROM-TO: 5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 1FEB	
	DAY FROM-TO: 1-7		7-14		14-21		21-28	
	GM	GM/DAY	GM	GM/DAY	GM	GM/DAY	GM	GM/DAY
94007FV2 001	141	23.5	122	17.4	118	16.8	117	16.8
94007FV2 002	125	20.9	181	25.9	149	21.3	162	23.1
94007FV2 003	98	16.4	118	16.9	131	18.7	127	18.2
94007FV2 004	85	14.2	119	17.0	120	17.1	126	18.0
94007FV2 005	105	17.5	131	18.8	143	20.5	142	20.3
94007FV2 006	101	16.9	127	18.2	165	23.5	176	25.2
94007FV2 007	90	15.0	116	16.6	129	18.4	125	17.9
94007FV2 008	96	16.1	111	15.8	121	17.2	125	17.8
94007FV2 009	85	14.2	116	16.6	128	18.2	132	18.8
94007FV2 010	98	16.3	116	16.5	126	18.0	124	17.8

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFFD)

INDIVIDUAL FOOD CONSUMPTION DATA
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

SEX: FEMALE

ANIMAL	DATES FROM-TO: 5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 1FEB	
	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY	DAY FROM-TO:	GM GM/DAY
94007F1 001	99	16.5	130	18.5	121	17.3	121	17.3
94007F1 002	92	15.4	119	17.0	112	16.0	129	18.4
94007F1 003	104	17.4	126	18.0	130	18.5	130	18.6
94007F1 004	97	16.2	115	16.5	110	15.7	124	17.7
94007F1 005	114	19.1	140	20.0	138	19.7	144	20.5
94007F1 006	84	14.0	106	15.1	100	14.3	114	16.3
94007F1 007	88	14.7	113	16.2	113	16.1	118	16.8
94007F1 008	100	16.6	123	17.5	113	16.1	129	18.4
94007F1 009	78	13.0	140	19.9	132	18.9	130	18.6
94007F1 010	101	16.9	139	19.9	134	19.1	133	19.0

HIS MRT GENF D DATA SED UGH 'EB-

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM

SEX: FEMALE

ANIMAL	DATES FROM-TO:		5JAN-11JAN		11JAN-18JAN		18JAN-25JAN		25JAN- 1FEB	
	DAY FROM-TO:		1-7		7-14		14-21		21-28	
	GM	GM/DAY	GM	GM/DAY	GM	GM/DAY	GM	GM/DAY	GM	GM/DAY
94007F2 001	77	12.9	114	16.3	119	17.0	118	16.8		
94007F2 002	81	13.6	117	16.7	136	19.4	137	19.6		
94007F2 003	99	16.5	121	17.3	133	18.9	133	19.0		
94007F2 004	73	12.1	130	18.6	134	19.1	148	21.2		
94007F2 005	73	12.2	100	14.3	109	15.5	111	15.9		
94007F2 006	98	16.3	111	15.9	130	18.6	126	18.1		
94007F2 007	101	16.9	129	18.4	137	19.6	145	20.8		
94007F2 008	89	14.9	127	18.1	127	18.2	123	17.6		
94007F2 009	88	14.7	115	16.4	123	17.6	127	18.1		
94007F2 010	89	14.9	124	17.7	115	16.5	124	17.7		

THIS REPORT WAS COMPUTED FOR DATA LOCKED THROUGH 7-FEB-94

STUDY NUMBER: 94001
DMEM NUMBER: M194009
RTE OF ADMIN: ORAL (FFFD)

GROUP : VEHICLE CONTROL.
SUBSTANCE : MON 46001
TARGET DOSE : 50000 . PPM

INDIVIDUAL CLINICAL SIGNS

STUDY NUMBER: PAT

RTE OF ADMIN: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

CATEGORY	OBSERVATION	DATE OF OBSERVATION	
		STUDY	ANIMAL
** NO ABNORMAL CLINICAL SIGNS RECORDED **			

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Table 3 Appendix 2

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MONSANTO ENVIRONMENTAL HEALTH LABORATORY

STUDY NUMBER: 94007

PAGE 1

HIS	SPF	SEMIF	D F'	ATA	CED	UGH	EB-
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STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (F.F.F.P)

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 100000. PPM

INDIVIDUAL CLINICAL SIGNS

SPECIES: RAT

STRAIN: SPRAGUE-DAWLEY

SEX: MALE

CATEGORY	OBSERVATION	DATE OF	DAY OF	
		OBSERVATION		STUDY
INTEGMENT	SCAB(S)	2-FEB-94	29	94007MV2 001

INDIVIDUAL CLINICAL SIGNS		
STUDY NUMBER:	DMEN NUMBER:	RTE OF ADMIN:
94007	ML94009	ORAL (FEED)
SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY		
STUDY START DATE: 5-JAN-94		
GROUP : TEST GROUP	SEX: MALE	
SUBSTANCE : MON 46002		
TARGET DOSE : 50000. PPB		
OBSERVATION		
CATEGORY	DATE OF OBSERVATION	DAY OF STUDY ANIMAL

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 3

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL CLINICAL SIGNS
SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM

SEX: MALE

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY ANIMAL
** NO ABNORMAL CLINICAL SIGNS RECORDED **			

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 4

STUDY NUMBER: 94007		INDIVIDUAL CLINICAL SIGNS		STUDY START DATE: 5-JAN-94	
DMEH NUMBER:	MU94009	SPECIES:	PAT	STUDY END DATE:	
ROUTE OF ADMIN:	ORAL (FFFD)	SPECIE:	SPRAGUE-DAWLEY		
GROUP	VEHICLE CONTROL	SEX:	Female		
SUBSTANCE	MON 46001				
TARGET DOSE	50000. PPM				
CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY	ANIMAL	

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

DATA KED DUGH FEB-

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL CLINICAL SIGNS

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
SUBSTANCE : MON 46001
TARGET DOSE : 100000, PPM

SEX: FEMALE

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY ANIMAL
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** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 94007
 DMEM NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFFD)
 GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000, PPM

INDIVIDUAL CLINICAL SIGNS	STRAINS/BREED: SPRAGUE-DAWLEY	STUDY START DATE: 5-JAN-94
SPECIES: RAT		
SEX: FEMALE		
DATE OF OBSERVATION		DAY OF STUDY ANIMAL
CATEGORY		

* * NO ABNORMAL CLINICAL SIGNS RECORDED * *

Table 3 Appendix 2 Page 72
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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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THIS DRT GENL ED DATE REC DUGH FEB-

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

INDIVIDUAL CLINICAL SIGNS

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
SUBSTANCE : MON 46002
TARGET DOSE : 100000. PPM

SEX: FEMALE

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY ANIMAL
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** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

ANIMAL TERMINATION HISTORY

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46001
 TARGET DOSE : 50000. PPM

SEX: MALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007MV1 001	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 002	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 003	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 004	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 005	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 006	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 007	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 008	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 009	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV1 010	3-FEB-94	30	SCHEDULED SACRIFICE

STUDY NUMBER: 94007
 DMEH NUMBER: MI.94009
 RTE OF ADMIN: ORAL (FEED)

ANIMAL TERMINATION HISTORY

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
 SUBSTANCE : MON 46D01
 TARGET DOSE : 100000. PPM

SEX: MALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007MV2 001	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 002	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 003	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 004	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 005	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 006	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 007	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 008	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 009	3-FEB-94	30	SCHEDULED SACRIFICE
94007MV2 010	3-FEB-94	30	SCHEDULED SACRIFICE

STUDY NUMBER: 94007
 DMEM NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

ANIMAL TERMINATION HISTORY

SPECIES: RAT STRAIN BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

SEX: MALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007M1 001	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 002	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 003	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 004	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 005	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 006	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 007	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 008	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 009	3-FEB-94	30	SCHEDULED SACRIFICE
94007M1 010	3-FEB-94	30	SCHEDULED SACRIFICE

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

ANIMAL TERMINATION HISTORY
 SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 100000. PPM

SEX: MALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007M2 001	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 002	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 003	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 004	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 005	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 006	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 007	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 008	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 009	3-FEB-94	30	SCHEDULED SACRIFICE
94007M2 010	3-FEB-94	30	SCHEDULED SACRIFICE

THIS REPORT WAS GENERATED FRO TA LOCKED THROUGH 7-FEB-94

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FFFD)

ANIMAL TERMINATION HISTORY

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
SUBSTANCE : MON 46001
TARGET DOSE : 50000. PPM

SEX: FEMALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007FV1 001	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 002	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 003	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 004	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 005	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 006	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 007	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 008	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 009	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV1 010	2-FEB-94	29	SCHEDULED SACRIFICE

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Table 4 Appendix 2 EHL 94007 Page 78

THIS REPORT WAS GENERATED BY: AIA LOVED THROUGH 7-FEB-94

STUDY NUMBER: 94007
DMEH NUMBER: ML94009
RTE OF ADMIN: ORAL (FEED)

ANIMAL TERMINATION HISTORY

SPECIES: RAT

STRAIN BREED: SPRAGUE-DAWLEY

STUDY START DATE: 5-JAN-94

GROUP : VEHICLE CONTROL
SUBSTANCE : MON 46001
TARGET DOSE : 100000. PPM

SEX: FEMALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007FV2 001	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 002	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 003	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 004	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 005	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 006	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 007	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 008	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 009	2-FEB-94	29	SCHEDULED SACRIFICE
94007FV2 010	2-FEB-94	29	SCHEDULED SACRIFICE

Contains trade secret or otherwise confidential information of Monsanto Company

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Table 4 Appendix 2 EHL 94007 Page 79

STUDY NUMBER: 94007
 DMEN NUMBER: ML94009
 RTE OF ADMIN: ORAL (FEED)

ANIMAL TERMINATION HISTORY

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 50000. PPM

SEX: FEMALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007F1 001	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 002	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 003	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 004	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 005	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 006	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 007	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 008	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 009	2-FEB-94	29	SCHEDULED SACRIFICE
94007F1 010	2-FEB-94	29	SCHEDULED SACRIFICE

STUDY NUMBER: 94007
 DMEH NUMBER: ML94009
 RTE OF ADMIN: ORAL (FFED)

ANIMAL TERMINATION HISTORY

SPECIES: RAT STRAIN/BREED: SPRAGUE-DAWLEY STUDY START DATE: 5-JAN-94

GROUP : TEST GROUP
 SUBSTANCE : MON 46002
 TARGET DOSE : 100000. PPM

SEX: FEMALE.

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
94007F2 001	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 002	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 003	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 004	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 005	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 006	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 007	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 008	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 009	2-FEB-94	29	SCHEDULED SACRIFICE
94007F2 010	2-FEB-94	29	SCHEDULED SACRIFICE

APPENDIX 3
GROSS PATHOLOGY DATA

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV1 001 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
 PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	365.3				
KIDNEY(S)	--	3.282	0.898%	LIVER	--	13.643
TESTIS(ES)	--	3.215	0.880%			3.735%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV1 002 SEX: MALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NFCROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	340.8				
KIDNEY(S)	--	3.131	0.919%	LIVER	--	10.641
TESTIS(ES)	--	3.265	0.958%			3.122%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FFD)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV1 003 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	378.9	LIVER	--	12.506	3.301%
KIDNEY(S)	--	3.307				
TESTIS(ES)	--	3.051				
		0.873%				
		0.805%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV1 004 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
 PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	336.1		LIVER	--	12.237	3.641%
KIDNEY(S)	--	3.345	0.9951				
TESTIS(ES)	--	3.146	0.9361				

--- GROSS OBSERVATIONS ---

URINARY BLADDER
 THICK WALLED -- MODERATE.

STUDY NUMBER: 94007
 RTE OF AUMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MVL 005 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	353.9			
KIDNEY(S)	--	3.469	0.980%	LIVER	--
TESTIS(ES)	--	3.267	0.923%		12.514
					3.536%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MVI 006 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM : 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	375.9				
KIDNEY(S)	--	2.971	0.7901	LIVER	--	12.132
TESTIS(ES)	--	3.435	0.9141			3.2278

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV1 007 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDTE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	293.1		LIVER	--	8.917	3.042%
KIDNEY(S)	--	2.765	0.943%				
TESTIS(ES)	--	2.931	1.000%				

--- GROSS OBSERVATIONS ---

LY. NODE, SUBMAX.
 ENLARGED/PROMINENT -- BILATERAL - 0.5 CM.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MVI 008 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	373.4				
KIDNEY(S)	--	3.350	0.897%	LIVER	--	12.437
TESTIS(ES)	--	3.371	0.903%			3.331%

--- GROSS OBSERVATIONS ---

KIDNEY(S)
 HYDRONEPHROSIS -- BILATERAL - SEVERE.

LY. NODE, SUBMAX.
 ENLARGED/PROMINENT -- RIGHT - 1.0 CM.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MVI 009 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	351.6		LIVER	--	12.554	3.571%
KIDNEY(S)	--	3.334	0.948%				
TESTIS(ES)	--	3.227	0.918%				

--- GROSS OBSERVATIONS ---

KIDNEY(S)
 HYDRONEPHROSIS -- RIGHT - SEVERE.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MVI 010 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- O R G A N W E I G H T S (G M) a n d t B O D Y W E I G H T ---

TERMINAL BODY WEIGHT	--	365.6				
KIDNEY(S)	--	3.461	0.947	LIVER	--	12.003
TESTIS(ES)	--	3.071	0.840			3.283

--- G R O S S O B S E R V A T I O N S ---

LY. NODE, SUBMAX.
 ENLARGED/PROMINENT -- BILATERAL - 0.6 CM.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 001 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
 PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	339.3				
KIDNEY(S)	--	2.970	0.875	LIVER	--	10.326
TESTIS(ES)	--	3.250	0.958			3.043%

--- GROSS OBSERVATIONS ---

SKIN

ABRASION -- BASE OF THE LEFT EAR - 2.5 X 1.0 CM, RED, HARD,
 ENCRUSTED, CASSETTE (SK).

LY. NODE, SUBMAX.

ENLARGED/PROMINENT -- LEFT - 1.0 CM.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 002 SEX: MALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	368.6		LIVER	--	11.406	3.094%
KIDNEY(S)	--	3.147	0.854%				
TESTIS(ES)	--	2.978	0.808%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 003 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	362.0				
KIDNEY(S)	--	3.532	0.9761	LIVER	--	12.896
TESTIS(ES)	--	3.207	0.8861			3.562%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FFED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 004 SEX: MALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (JACROS)

ORGAN WTS. BY: (BJSAUL)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	344.2				
KIDNEY(S)	--	3.098	0.900%	LIVER	--	11.063
TESTIS(ES)	--	1.851	1.119%			3.214%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 005 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: (BJSAUL)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	318.9				
KIDNEY(S)	--	3.354	1.052%	LIVER	--	11.405
TESTIS(ES)	--	3.396	1.065%			3.576%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 006 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	318.4		LIVER	--	10.208	3.206%
KIDNEY(S)	--	3.072	0.965%				
TESTIS(ES)	--	3.575	1.123%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2-007 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	354.9		LIVER	--	11.701	3.297%
KIDNEY(S)	--	3.325	0.937%				
TESTIS(ES)	--	3.687	1.039%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 008 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	333.7				
KIDNEY(S)	--	3.158	0.946%	LIVER	--	10.549
TESTIS(ES)	--	3.457	1.036%			3.161%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

Contains trade secret or otherwise confidential information of Monsanto Company

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 009 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	342.0				
KIDNEY(S)	--	3.685	1.077	LIVER	--	13.125
TESTIS(ES)	--	3.123	0.913			3.838%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007MV2 010 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESCOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	333.3				
KIDNEY(S)	--	2.884	0.865	LIVER	--	10.757
TESTIS(ES)	--	3.000	0.900			3.227

--- GROSS OBSERVATIONS ---

KIDNEY(S)
 HYDRONEPHROSIS -- RIGHT - SEVERE.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL, GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 001 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	376.0		LIVER	--	12.828	3.412%
KIDNEY(S)	--	3.412	0.907%				
TESTIS(ES)	--	3.143	0.836%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 002 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	367.9				
KIDNEY(S)	--	3.119	0.848%	LIVER	--	12.638
TESTIS(ES)	--	3.230	0.878%			3.435%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND H&E PATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 003 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	381.3			
KIDNEY(S)	--	3.451	0.905%	LIVER	--
TESTIS(ES)	--	2.921	0.766%		12.120
					3.179%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 004 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	327.8				
KIDNEY(S)	--	3.234	0.987	LIVER	--	10.638
TESTIS(ES)	--	3.104	0.947			3.245%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 005 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	370.2		LIVER	--	10.164	2.746t
KIDNEY(S)	--	2.956	0.7981				
TESTIS(ES)	--	3.034	0.8201				

--- GROSS OBSERVATIONS ---

SPLEEN
 PROMINENT/THICKENED CAPSULE -- MODERATE.

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 006 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	375.2				
KIDNEY(S)	--	3.379	0.9011	LIVER	--	13.568
TESTIS(ES)	--	3.335	0.8891			3.616%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

Table 1

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 007 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
 PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	417.8		LIVER	--	15.636	3.742%
KIDNEY(S)	--	4.021	0.9621				
TESTIS(ES)	--	3.681	0.8811				

--- GROSS OBSERVATIONS ---

KIDNEY(S)
 HYDRONEPHROSIS -- RIGHT - SEVERE.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 008 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDTE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	364.7				
KIDNEY(S)	--	3.313	0.908%	LIVER	--	11.263
TESTIS(ES)	--	3.333	0.914%			3.088%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 009 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	355.4		LIVER	--	10.931	3.076%
KIDNEY(S)	--	3.219	0.906%				
TESTIS(ES)	--	3.069	0.864%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M1 010 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	330.7				
KIDNEY(S)	--	3.095	0.936%	LIVER	--	9.328
TESTIS(ES)	--	3.357	1.015%			2.821%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 4-FEB-94

(00)

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 001 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: (BJSaul)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	335.2				
KIDNEY(S)	--	3.159	0.942	LIVER	--	10.799
TESTIS(ES)	--	3.605	1.075			3.222†

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 002 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	267.7				
KIDNEY(S)	--	2.581	0.9641	LIVER	--	9.484
TESTIS(ES)	--	3.152	1.1771			3.5431

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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NECROPSY DATA DOCUMENTATION

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 003 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
 PROSECTOR : (KMDTE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	332.4		LIVER	--	11.854	3.566t
KIDNEY(S)	--	3.339	1.005t				
TESTIS(ES)	--	3.216	0.968t				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 004 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	320.8				
KIDNEY(S)	--	3.191	0.995%	LIVER	--	10.928
TESTIS(ES)	--	3.462	1.079%			3.406%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 005 SEX: MALE

ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	342.9				
KIDNEY(S)	--	3.435	1.002%	LIVER	--	13.583
TESTIS(ES)	--	3.685	1.075%			3.961%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 006 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)

ORGAN WTS. BY: (BJSaul)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	265.5				
KIDNEY(S)	--	2.694	1.015	LIVER	--	10.229
TESTIS(ES)	--	3.642	1.372			3.853

--- GROSS OBSERVATIONS ---

KIDNEY(S)
 HYDRONEPHROSIS -- RIGHT - SEVERE.

SEM. VESICLE(S)
 ATROPHY/SMALL -- BILATERAL - 50% NORMAL SIZE.

URINARY BLADDER
 CALCULUS -- MULTIPLE, 0.1 - 0.3 CM.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI' TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 007 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94
 PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	338.7			
KIDNEY(S)	--	3.285	0.970%	LIVER	--
TESTIS(ES)	--	3.362	0.993%		12.134 3.583%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI-TO PATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 008 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDTE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	318.7			
KIDNEY(S)	--	2.638	0.828%	LIVER	--
TESTIS(ES)	--	3.136	0.984%		12.112
					3.800%

--- GROSS OBSERVATIONS ---

SEM. VESICLE(S)
 ATROPHY/SMALL -- BILATERAL - 50% NORMAL SIZE.

Necropsy data locked on 4-FEB-94

(00)

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 009 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (ESGOLI)
ORGAN WTS. BY: (BJSAUL)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	338.9				
KIDNEY(S)	--	3.255	0.960%	LIVER	--	11.939
TESTIS(ES)	--	3.755	1.108%			3.523%

--- GROSS OBSERVATIONS ---

LY. NODE, SUBMAX.
ENLARGED/PROMINENT -- LEFT - 0.6 CM.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007M2 010 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 3-FEB-94

PROSECTOR : (KMDTE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	308.7				
KIDNEY(S)	--	3.200	1.037%	LIVER	--	11.655
TESTIS(ES)	--	3.399	1.101%			3.776%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 001 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	196.3				
KIDNEY(S)	--	1.642	0.8361	LIVER	--	6.484

--- GROSS OBSERVATIONS ---

LY. NODE, SUBMAX.
 ENLARGED/PROMINENT -- LEFT - 0.5 CM.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FVI 002 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	230.8				
KIDNEY(S)	--	2.229	0.9661	LIVER	--	7.447
						3.2278

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DANLEY

ANIMAL NO: 94007FV1 003 SEX: FEMALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	231.9		LIVER	--	6.952	2.998
KIDNEY(S)	--	2.009	0.866%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 004 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT --	202.6					
KIDNEY(S) --	1.946	0.961	LIVER	--	6.462	3.190

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

Contains trade secret or otherwise confidential information of Monsanto Company

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 005 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	215.2				
KIDNEY(S)	--	1.603	0.7451	LIVER	--	6.937

3.224%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 006 SEX: FEMALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDTE)

ORGAN WTS. BY: (BJSABL)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	217.0				
KIDNEY(S)	--	1.829	0.843%	LIVER	--	6.859
						3.161%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 007 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94
 PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	215.4		LIVER	--	5.810	2.697%
KIDNEY(S)	--	1.663	0.772%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 008 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	209.6				
KIDNEY(S)	--	1.870	0.892%	LIVER	--	6.361
						3.035%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 009 SEX: FEMALE

ANIMAL STATUS CODE: S HOURS POST MORTEM -

DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)

ORGAN WTS. BY: (BJSAUL)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT --	222.1					
KIDNEY(S) --	1.925	0.867%	LIVER	--	7.851	3.535%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV1 010 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	196.9		LIVER	--	6.391	3.246%
KIDNEY(S)	--	1.576	0.800%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 001 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	190.1		LIVER	--	6.238	3.281%
KIDNEY(S)	--	1.789	0.941%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 002

SEX: FEMALE

ANIMAL STATUS CODE: S

HOURS POST MORTEM - 0

DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)

ORGAN WTS. BY: (BJSaul)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT --	213.8					
KIDNEY(S) --	1.898	0.8881	LIVER	--	6.382	2.985†

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 003 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	195.6		LIVER	--	5.862	2.997%
KIDNEY(S)	--	1.782	0.911%				

--- GROSS OBSERVATIONS ---

LY. NODE, SUBMAX.
 ENLARGED/PROMINENT -- BILATERAL - 0.5 CM.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 004 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	211.0				
KIDNEY(S)	--	2.092	0.991%	LIVER	--	7.929
						3.758%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 005 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) AND BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	216.6		LIVER	--	7.304	3.372%
KIDNEY(S)	--	1.956	0.903%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 006 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	198.8				
KIDNEY(S)	--	1.799	0.9051	LIVER	--	6.703
						3.372%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 007 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and 1 BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	200.8		LIVER	--	7.212	3.592%
KIDNEY(S)	--	1.714	0.854%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 008 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	197.7		LIVER	--	6.366	3.220%
KIDNEY(S)	--	1.710	0.865%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007
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 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 009 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	209.0		LIVER	--	6.421	3.072%
KIDNEY(S)	--	1.687	0.807%				

--- GROSS OBSERVATIONS ---

LIVER

MASS/NODULE -- RIGHT LATERAL LOBE - 1.0 CM, SPHERICAL,
 (NORMAL LIVER COLOR), RUBBERY, CUT - SECTION SIMILAR,
 CASSETTE (LI).

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007FV2 010 SEX: FEMALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (G) and BODY WEIGHT ---

TERMINAL BODY WEIGHT --	194.0					
KIDNEY(S) --	1.866	0.9621	LIVER	--	6.386	3.2921

--- GROSS OBSERVATIONS ---

UTERUS

HYDROMETRA -- BOTH HORNS - MODERATE.

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STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND H&E PATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 001 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (JACROS)
ORGAN WTS. BY: (BJSaul)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	219.1				
KIDNEY(S)	--	1.782	0.813%	LIVER	--	7.413
						3.383%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 002 SEX: FEMALE

ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT --	195.3		LIVER	--	6.210	3.180
KIDNEY(S) --	1.547	0.792				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 003 SEX: FEMALE

ANIMAL STATUS CODE: S

HOURS POST MORTEM -

0

DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)

ORGAN WTS. BY: (BJSaul)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) AND % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	218.3				
KIDNEY(S)	--	1.966	0.901%	LIVER	--	6.638

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 004 SEX: FEMALE
 ANIMAL STATUS CODE: C HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	195.4				
KIDNEY(S)	--	1.744	0.8931	LIVER	--	6.316
						3.2324

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 005 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT --	225.4					
KIDNEY(S) --	2.189	0.971	LIVER	--	7.903	3.506†

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 006 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94
 PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	178.2				
KIDNEY(S)	--	1.034	1.029%	LIVER	--	6.014
						3.375%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAI. (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 007 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	197.8				
KIDNEY(S)	--	1.579	0.7981	LIVER	--	6.446
						3.259%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 008 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUD)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	202.4		LIVER	--	8.054	3.979%
KIDNEY(S)	--	2.203	1.088%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 009 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (JACROS)
ORGAN WTS. BY: (BJSAUL)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	212.7		LIVER	--	6.866	3.228%
KIDNEY(S)	--	1.920	0.903%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F1 010 SEX: FEMALE

ANIMAL STATUS CODE: S HOURS POST MORTEM -

0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)

ORGAN WTS. BY: (BJSAUL)

PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT --	220.2					
KIDNEY(S) --	1.703	0.773%	LIVER	--	6.444	2.926%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 001 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and 1 BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	190.3		LIVER	--	6.472	3.401%
KIDNEY(S)	--	1.495	0.786%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 002 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (JACROS)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT --	208.8				
KIDNEY(S) --	1.761	0.846%	LIVER	--	7.502
					3.593%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 003 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDTE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	212.6				
KIDNEY(S)	--	1.873	0.881	LIVER	--	7.616
						3.582

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

Contains trade secret or otherwise confidential information of Monsanto Company

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEFD)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 004 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)
ORGAN WTS. BY: (BJSaul)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	198.9				
KIDNEY(S)	--	1.710	0.860%	LIVER	--	6.810
						3.424%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 005 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
ORGAN WTS. BY: (BJSAUL)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	184.0				
KIDNEY(S)	--	1.643	0.893%	LIVER	--	5.878
						3.195%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 006 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: (BJSAUL)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	208.9		LIVER	--	7.031	3.366%
KIDNEY(S)	--	1.780	0.852%				

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
 RTE OF ADMIN: ORAL (FEED)
 STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HI TOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
 SPECIES: RAT
 STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 007 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (KMDETE)
 ORGAN WTS. BY: (BJSaul)
 PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	223.7				
KIDNEY(S)	--	1.930	0.863%	LIVER	--	7.528
						3.365%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 008 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (ESGOLI)
ORGAN WTS. BY: (BJSAUL)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	212.4				
KIDNEY(S)	--	1.749	0.8231	LIVER	--	7.091
						3.3391

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994

SPECIES: RAT

STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 009 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0

DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (MJBOYD)
ORGAN WTS. BY: (BJSaul)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) AND % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	207.1				
KIDNEY(S)	--	1.909	0.922%	LIVER	--	7.050
						3.404%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

STUDY NUMBER: 94007
RTE OF ADMIN: ORAL (FEED)
STUDY START DATE: 5-JAN-1994

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 6-JUN-1994
SPECIES: RAT
STRAIN/BREED: SPRAGUE-DAWLEY

ANIMAL NO: 94007F2 010 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM - 0 DATE OF NECROPSY: 2-FEB-94

PROSECTOR : (JACROS)
ORGAN WTS. BY: (BJSaul)
PATHOLOGIST : (TVWILS)

--- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---

TERMINAL BODY WEIGHT	--	195.8				
KIDNEY(S)	--	1.776	0.907%	LIVER	--	6.564
						3.352%

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.