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OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM

MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

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* Program Control Information *
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I. TITLES:

A. PROJECT TITLE: Monsanto Mortality Sureveillance
B. POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
C. EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
D. CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

II. END OF STUDY DATE: 12/31/1989

III. PARAMETER DEFINITIONS:

PARAMETER NAME	VALUE	DEFINITION
P1	16	NO. OF AGE GROUP SUBGROUPS + 1
P2	5	NO. OF TIME PERIOD SUBGROUPS + 2
P3	3	NO. OF INTERVAL FROM ONSET OF EXPOSURE SUBGROUPS + 1

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P4	3	NO. OF CUMULATIVE EXPOSURE SUBGROUPS + 1
P5	4	NO. OF RACE AND SEX COMBINATIONS
P6	8	NO. OF CAUSE OF DEATH CATEGORIES
P7	16	MAXIMUM OF "P1","P2","P3","P4","P5", AND RECODED AGE AND TIME INTERVALS
S1	8	MAXIMUM NO. OF SUBGROUPS IN ANY ONE CAUSE OF DEATH CATEGORY
S2	8	NO. OF SELECTION VARIABLES + 2
S3	1	MAXIMUM NO. OF JOBS IN WORK HISTORY

IV. ADJUSTMENT VARIABLES:

VARIABLE	NO. OF SUBGROUPS	SUBGROUPS
A. Age Group	15	(<20) (20-24) (25-29) (30-34) (35-39) (40-44) (45-49) (50-54) (55-59) (60-64) (65-69) (70-74) (75-79) (80-84) (85+)
B. Time Period	3	(79-79) (80-84) (85-89)
C. Interval from Onset of Exposure	2	(<20) (20+)
D. Cumulative Exposure	2	(<10) (10+)
E. Sex	2	(MALE) (FEMALE)
F. Race	2	(WHITE) (NONWHITE)

V. RECODED AGE AND TIME INTERVALS:

RECODED INTERVAL	AGE GROUP (SELECTED SUBGROUPS)	TIME PERIOD (SELECTED SUBGROUPS)
1	TOTAL (1 THROUGH 15)	TOTAL (1 THROUGH 3)

VI. DEATH RATE FILE INFORMATION:

INPUT DEVICE: DISK
LOGICAL UNIT NUMBER: 2
FILE NAME(S): US.WM US.WF US.NWM US.NWF
ICDA CODES: 4-DIGIT
UNKNOWN CAUSES OF DEATH CODED AS: 9999

VII. CAUSE OF DEATH SELECTION: (BASED ON 8 REVISION ICDA CODES)

		8th Revision Codes (1968-1978)	
CATEGORY	CAUSE OF DEATH	NO. OF SUBGROUPS	ICDA CODES

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1	All Causes of Death	1	(0. -999.)
3	All Malignant Neoplasms	1	(140. -209.)
8	Cancer of Large Intestine	1	(153. -153.)
15	Cancer of Bronchus, Trachea, Lung	1	(162. -162.)
17	Cancer of Breast	1	(174. -174.)
21	Cancer of Prostate (Males only)	1	(185. -185.)
39	All Heart Disease	7	(390. -398.)(400.1-400.1) (400.9-400.9)(402. -402.) (404. -404.)(410. -414.) (420. -429.)
56	All External Causes of Death	1	(800. -999.)

VIII. DEATH RATE SELECTION VARIABLES:

VARIABLE	NO. OF SUBGROUPS	SUBGROUP
A. AGE GROUP	15	(15-19) (20-24) (25-29) (30-34) (35-39) (40-44) (45-49) (50-54) (55-59) (60-64) (65-69) (70-74) (75-79) (80-84) (85+)
B. TIME PERIOD	3	(75-79) (80-84) (85-87)
C. RACE AND SEX	4	(WHITE MALE)(WHITE FEMALE)(NONWHITE MALE)(NONWHITE FEMALE)

IX. CORRESPONDENCE BETWEEN PERSON YEARS AND DEATH RATES:

A. Age Group

PERSON YEARS	DEATH RATES
(<20)	(15-19)
(20-24)	(20-24)
(25-29)	(25-29)
(30-34)	(30-34)
(35-39)	(35-39)
(40-44)	(40-44)
(45-49)	(45-49)
(50-54)	(50-54)
(55-59)	(55-59)
(60-64)	(60-64)
(65-69)	(65-69)
(70-74)	(70-74)
(75-79)	(75-79)

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(80-84)	(80-84)
(85+)	(85+)

B. Time Period

PERSON YEARS	DEATH RATES
(79-79)	(75-79)
(80-84)	(80-84)
(85-89)	(85-87)

C. RACE AND SEX COMBINATIONS

PERSON YEARS		DEATH RATES
(WHITE)	(MALE)	(WHITE MALE)
(WHITE)	(FEMALE)	(WHITE FEMALE)
(NONWHITE)	(MALE)	(NONWHITE MALE)
(NONWHITE)	(FEMALE)	(NONWHITE FEMALE)

X. TABLE TYPES TO BE PRINTED FOR THE FOLLOWING CAUSES:

TABLE TYPE	CAUSE OF DEATH CATEGORY
3	(1)
5	(1)
6	(1)

XI. INPUT COHORT DATA INFORMATION:

A. INPUT COHORT FILE INFORMATION:

INPUT DEVICE: DISK
LOGICAL UNIT NUMBER: 1
FILE NAME: 0009.DAT

B. INPUT FORMAT FOR DESCRIPTIVE VARIABLES, RECORD TYPE 1: (7A5,2I1,I3,A1,4(2I2,I4),I3,2I1)

VARIABLE NO.	FORMAT	DATA DESCRIPTION
1-7	7A5	CASE IDENTIFICATION
8	I1	SEX

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9	I1	RACE
10-11	I3,A1	CAUSE OF DEATH ICDA CODES
12-14	2I2,I4	BIRTH DATE (MONTH,DAY,YEAR)
15-17	2I2,I4	HIRE DATE (MONTH,DAY,YEAR)
18-20	2I2,I4	STARTING DATE FOR PERSON DAYS (MONTH,DAY,YEAR)
21-23	2I2,I4	STOPPING DATE FOR PERSON DAYS (MONTH,DAY,YEAR)
24	I3	NUMBER OF JOBS IN WORK HISTORY
25	I1	PRINT FLAG FOR DETAILED LISTING
26	I1	VITAL STATUS

C. INPUT FORMAT FOR SELECTION VARIABLES, RECORD TYPE 2: (F4.0,F4.0,F2.0,F1.0,F1.0,F2.0)

VARIABLE NO.	VARIABLE LABEL	NO. OF SUBGROUPS	RANGE OF VALUES SELECTED			
1	Year of Birth	1	>=	1896.000	AND <	1971.000
2	Year of Hire	1	>=	1926.000	AND <	1990.000
3	Age	1	>=	16.00000	AND <	66.00000
4	Vital Status	1	>=	1.000000	AND <	9.000000
5	Pay Type (1=Hourly,2=Salary,3=Contract,4=Unknown)	1	>=	1.000000	AND <	2.000000
6	Years of Service	1	>=	.0000000	AND <	64.00000

D. INPUT FORMAT FOR WORK HISTORY DATA, RECORD TYPE 3: (6I2,I3,50G15.0)

VARIABLE NO.	FORMAT	DATA DESCRIPTION
1-3	3I2	JOB STARTING DATE (MONTH,DAY,YEAR)
4-6	3I2	JOB FINISH DATE (MONTH,DAY,YEAR)
7	I3	JOB TYPE
8-67	50G15.0	JOB EXPOSURE INDICES

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E. JOB TYPES SELECTED

All Job Types

RANGE OF JOB TYPES SELECTED

(0-999)

F. JOB EXPOSURE INDEX SELECTED

Units: Exposure 1 - Years

EXPOSURE TYPE	DAYS PER UNIT
1	365.2500

XII. READ, EDIT, AND WRITE SUMMARY:

376 CASES READ FROM INPUT FILE
149 CASES EXCLUDED PRIOR TO ANALYSIS

149 CASES REJECTED DUE TO VARIABLE SELECTION AND/OR JOB TYPE SELECTION
0 CASES REJECTED DUE TO ERROR DETECTION

227 CASES CHOSEN FOR ANALYSIS (7 DEATHS)

0 CASES SELECTED FOR DETAILED LISTING
227 CASES NOT SELECTED FOR DETAILED LISTING

XIII. DISTRIBUTION OF CASES CHOSEN FOR ANALYSIS BY WORKING AND VITAL STATUS AS OF 12/31/1989:

WORKING AND VITAL STATUS	NUMBER	PERCENT	DEATH CERTIFICATE OBTAINED	DEATH CERTIFICATE OUTSTANDING
Currently Employed	65	28.6		
Terminated	111	48.9		
Alive	107	(96.4)		
Dead	1	(.9)	1	0
Unknown Status	3	(2.7)		
Retired	49	21.6		
Alive	45	(91.8)		
Dead	4	(8.2)	4	0
Unknown Status	0	(.0)		
Died While Employed	2	.9	2	0
Total	227	100.0	7	0

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POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: WHITE
SEX: MALE

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****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	10	6.0	10	6.0	0	.0	0	.0
20-24	72	43.1	72	43.1	19	11.4	0	.0
25-29	51	30.5	51	30.5	23	13.8	0	.0
30-34	23	13.8	23	13.8	18	10.8	0	.0
35-39	6	3.6	6	3.6	33	19.8	0	.0
40-44	3	1.8	3	1.8	26	15.6	0	.0
45-49	2	1.2	2	1.2	21	12.6	2	33.3
50-54	0	.0	0	.0	13	7.8	1	16.7
55-59	0	.0	0	.0	9	5.4	0	.0
60-64	0	.0	0	.0	5	3.0	1	16.7
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	2	33.3
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	167	100.0	167	100.0	167	100.0	6	100.0
AVERAGE AGE	26.3		26.3		39.0		58.4	

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POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	0	.0	0	.0	0	.0	0	.0
20-24	1	5.9	1	5.9	0	.0	0	.0
25-29	1	5.9	1	5.9	1	5.9	0	.0
30-34	4	23.5	4	23.5	5	29.4	0	.0
35-39	8	47.1	8	47.1	8	47.1	0	.0
40-44	1	5.9	1	5.9	1	5.9	0	.0

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45-49	2	11.8	2	11.8	2	11.8	0	.0
50-54	0	.0	0	.0	0	.0	0	.0
55-59	0	.0	0	.0	0	.0	0	.0
60-64	0	.0	0	.0	0	.0	0	.0
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	0	.0
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	17	100.0	17	100.0	17	100.0	0	.0
AVERAGE AGE	35.6		35.6		36.7		---	

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POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	10	5.4	10	5.4	0	.0	0	.0
20-24	73	39.7	73	39.7	19	10.3	0	.0
25-29	52	28.3	52	28.3	24	13.0	0	.0
30-34	27	14.7	27	14.7	23	12.5	0	.0
35-39	14	7.6	14	7.6	41	22.3	0	.0
40-44	4	2.2	4	2.2	27	14.7	0	.0
45-49	4	2.2	4	2.2	23	12.5	2	33.3
50-54	0	.0	0	.0	13	7.1	1	16.7
55-59	0	.0	0	.0	9	4.9	0	.0
60-64	0	.0	0	.0	5	2.7	1	16.7
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	2	33.3
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	184	100.0	184	100.0	184	100.0	6	100.0
AVERAGE AGE	27.2		27.2		38.8		58.4	

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PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	0	.0	0	.0	0	.0	0	.0
20-24	8	24.2	8	24.2	3	9.1	0	.0
25-29	8	24.2	8	24.2	7	21.2	0	.0
30-34	7	21.2	7	21.2	4	12.1	0	.0
35-39	5	15.2	5	15.2	5	15.2	0	.0
40-44	3	9.1	3	9.1	6	18.2	0	.0
45-49	2	6.1	2	6.1	5	15.2	1	100.0
50-54	0	.0	0	.0	1	3.0	0	.0
55-59	0	.0	0	.0	0	.0	0	.0
60-64	0	.0	0	.0	2	6.1	0	.0
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	0	.0
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	33	100.0	33	100.0	33	100.0	1	100.0
AVERAGE AGE	31.3		31.3		37.8		49.6	

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PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%

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<20	0	.0	0	.0	0	.0	0	.0
20-24	2	20.0	2	20.0	2	20.0	0	.0
25-29	1	10.0	1	10.0	1	10.0	0	.0
30-34	3	30.0	3	30.0	2	20.0	0	.0
35-39	3	30.0	3	30.0	3	30.0	0	.0
40-44	0	.0	0	.0	1	10.0	0	.0
45-49	1	10.0	1	10.0	1	10.0	0	.0
50-54	0	.0	0	.0	0	.0	0	.0
55-59	0	.0	0	.0	0	.0	0	.0
60-64	0	.0	0	.0	0	.0	0	.0
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	0	.0
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	10	100.0	10	100.0	10	100.0	0	.0
AVERAGE AGE	32.8		32.8		34.3		---	

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POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	0	.0	0	.0	0	.0	0	.0
20-24	10	23.3	10	23.3	5	11.6	0	.0
25-29	9	20.9	9	20.9	8	18.6	0	.0
30-34	10	23.3	10	23.3	6	14.0	0	.0
35-39	8	18.6	8	18.6	8	18.6	0	.0
40-44	3	7.0	3	7.0	7	16.3	0	.0
45-49	3	7.0	3	7.0	6	14.0	1	100.0
50-54	0	.0	0	.0	1	2.3	0	.0
55-59	0	.0	0	.0	0	.0	0	.0
60-64	0	.0	0	.0	2	4.7	0	.0
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	0	.0
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0

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TOTAL	43	100.0	43	100.0	43	100.0	1	100.0
AVERAGE AGE	31.7		31.7		37.0		49.6	

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POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	10	5.0	10	5.0	0	.0	0	.0
20-24	80	40.0	80	40.0	22	11.0	0	.0
25-29	59	29.5	59	29.5	30	15.0	0	.0
30-34	30	15.0	30	15.0	22	11.0	0	.0
35-39	11	5.5	11	5.5	38	19.0	0	.0
40-44	6	3.0	6	3.0	32	16.0	0	.0
45-49	4	2.0	4	2.0	26	13.0	3	42.9
50-54	0	.0	0	.0	14	7.0	1	14.3
55-59	0	.0	0	.0	9	4.5	0	.0
60-64	0	.0	0	.0	7	3.5	1	14.3
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	2	28.6
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	200	100.0	200	100.0	200	100.0	7	100.0
AVERAGE AGE	27.1		27.1		38.8		57.1	

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POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE

****
TABLE TYPE 1: AGE DISTRIBUTIONS

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AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	0	.0	0	.0	0	.0	0	.0
20-24	3	11.1	3	11.1	2	7.4	0	.0
25-29	2	7.4	2	7.4	2	7.4	0	.0
30-34	7	25.9	7	25.9	7	25.9	0	.0
35-39	11	40.7	11	40.7	11	40.7	0	.0
40-44	1	3.7	1	3.7	2	7.4	0	.0
45-49	3	11.1	3	11.1	3	11.1	0	.0
50-54	0	.0	0	.0	0	.0	0	.0
55-59	0	.0	0	.0	0	.0	0	.0
60-64	0	.0	0	.0	0	.0	0	.0
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	0	.0
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	27	100.0	27	100.0	27	100.0	0	.0
AVERAGE AGE	34.6		34.6		35.8		---	

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL

****
TABLE TYPE 1: AGE DISTRIBUTIONS
****

AGE GROUP	AGE AT HIRE		AGE AT FIRST EXPOSURE		AGE AT ENTRY INTO FOLLOW-UP		AGE AT DEATH	
	No.	%	No.	%	No.	%	No.	%
<20	10	4.4	10	4.4	0	.0	0	.0
20-24	83	36.6	83	36.6	24	10.6	0	.0
25-29	61	26.9	61	26.9	32	14.1	0	.0
30-34	37	16.3	37	16.3	29	12.8	0	.0
35-39	22	9.7	22	9.7	49	21.6	0	.0
40-44	7	3.1	7	3.1	34	15.0	0	.0
45-49	7	3.1	7	3.1	29	12.8	3	42.9
50-54	0	.0	0	.0	14	6.2	1	14.3

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55-59	0	.0	0	.0	9	4.0	0	.0
60-64	0	.0	0	.0	7	3.1	1	14.3
65-69	0	.0	0	.0	0	.0	0	.0
70-74	0	.0	0	.0	0	.0	2	28.6
75-79	0	.0	0	.0	0	.0	0	.0
80-84	0	.0	0	.0	0	.0	0	.0
85+	0	.0	0	.0	0	.0	0	.0
TOTAL	227	100.0	227	100.0	227	100.0	7	100.0

AVERAGE AGE	28.0	28.0	38.5	57.1

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

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PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	10.6	26.1	1.2	37.9
	AT RISK	14	15	1	19
25-29	PERSON YEARS	22.4	96.1	31.2	149.7
	AT RISK	27	36	15	42
30-34	PERSON YEARS	17.0	102.2	96.1	215.3
	AT RISK	23	38	36	59
35-39	PERSON YEARS	30.0	121.4	102.6	254.0
	AT RISK	39	48	39	78
40-44	PERSON YEARS	28.0	145.4	122.6	296.0
	AT RISK	34	58	48	82
45-49	PERSON YEARS	19.9	128.6	141.6	290.2
	AT RISK	28	50	58	86
50-54	PERSON YEARS	16.3	90.6	126.2	233.1
	AT RISK	18	38	49	67
55-59	PERSON YEARS	9.1	65.0	90.6	164.7

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	AT RISK	12	26	38	50
60-64	PERSON YEARS	4.6	38.4	63.4	106.4
	AT RISK	6	16	26	32
65-69	PERSON YEARS	.8	13.3	38.3	52.4
	AT RISK	1	6	15	16
70-74	PERSON YEARS	.0	.8	10.5	11.2
	AT RISK	0	1	6	6
75-79	PERSON YEARS	.0	.0	.8	.8
	AT RISK	0	0	1	1
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	158.8	828.0	825.0	1811.7
	AT RISK	161	167	167	167

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
25-29	PERSON YEARS	1.0	3.0	.0	4.0
	AT RISK	1	1	0	1
30-34	PERSON YEARS	2.0	15.0	3.0	20.0
	AT RISK	3	6	1	6
35-39	PERSON YEARS	4.9	26.2	18.7	49.9
	AT RISK	6	12	7	14

DSW 147132

STLCOPCB4038979

40-44	PERSON YEARS	1.1	21.0	28.5	50.7
	AT RISK	2	8	12	14
45-49	PERSON YEARS	.7	5.9	21.0	27.7
	AT RISK	1	3	8	10
50-54	PERSON YEARS	.3	6.4	7.2	13.8
	AT RISK	1	2	3	4
55-59	PERSON YEARS	.0	.3	6.4	6.7
	AT RISK	0	1	2	2
60-64	PERSON YEARS	.0	.0	.3	.3
	AT RISK	0	0	1	1
65-69	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
70-74	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
75-79	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	10.1	77.9	85.0	173.0
	AT RISK	12	17	17	17

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	10.6	26.1	1.2	37.9
	AT RISK	14	15	1	19

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STLCOPCB4038980

25-29	PERSON YEARS	23.4	99.1	31.2	153.7
	AT RISK	28	37	15	43
30-34	PERSON YEARS	19.0	117.2	99.1	235.3
	AT RISK	26	44	37	65
35-39	PERSON YEARS	35.0	147.7	121.3	303.9
	AT RISK	45	60	46	92
40-44	PERSON YEARS	29.1	166.4	151.1	346.6
	AT RISK	36	66	60	96
45-49	PERSON YEARS	20.7	134.6	162.7	318.0
	AT RISK	29	53	66	96
50-54	PERSON YEARS	16.6	97.0	133.4	247.0
	AT RISK	19	40	52	71
55-59	PERSON YEARS	9.1	65.3	97.0	171.4
	AT RISK	12	27	40	52
60-64	PERSON YEARS	4.6	38.4	63.6	106.6
	AT RISK	6	16	27	33
65-69	PERSON YEARS	.8	13.3	38.3	52.4
	AT RISK	1	6	15	16
70-74	PERSON YEARS	.0	.8	10.5	11.2
	AT RISK	0	1	6	6
75-79	PERSON YEARS	.0	.0	.8	.8
	AT RISK	0	0	1	1
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	168.9	905.9	910.0	1984.7
	AT RISK	173	184	184	184

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP

RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

DSW 147134

STLCOPCB4038981

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	1.3	3.6	.0	4.9
	AT RISK	2	3	0	3
25-29	PERSON YEARS	4.1	19.9	5.7	29.7
	AT RISK	5	10	4	10
30-34	PERSON YEARS	3.0	25.5	22.5	51.0
	AT RISK	4	8	10	14
35-39	PERSON YEARS	5.2	23.0	23.5	51.7
	AT RISK	7	8	8	15
40-44	PERSON YEARS	6.8	33.2	21.8	61.8
	AT RISK	7	13	8	15
45-49	PERSON YEARS	3.6	27.9	32.0	63.5
	AT RISK	4	11	12	17
50-54	PERSON YEARS	1.4	12.5	27.8	41.8
	AT RISK	2	6	10	12
55-59	PERSON YEARS	.0	3.3	12.5	15.8
	AT RISK	0	2	6	6
60-64	PERSON YEARS	2.0	3.4	3.3	8.7
	AT RISK	2	2	2	4
65-69	PERSON YEARS	.0	6.6	3.4	10.0
	AT RISK	0	2	2	2
70-74	PERSON YEARS	.0	.0	6.6	6.6
	AT RISK	0	0	2	2
75-79	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	27.3	159.1	159.1	345.5
	AT RISK	29	33	33	33

DSW 147135

STLCOPCB4038982

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	.5	3.5	.0	4.0
	AT RISK	1	2	0	2
25-29	PERSON YEARS	.1	5.3	4.7	10.1
	AT RISK	1	2	2	3
30-34	PERSON YEARS	2.9	6.8	3.3	13.0
	AT RISK	3	3	2	5
35-39	PERSON YEARS	1.7	13.3	6.8	21.9
	AT RISK	2	5	3	6
40-44	PERSON YEARS	1.3	11.0	15.0	27.3
	AT RISK	2	4	5	7
45-49	PERSON YEARS	.0	4.1	11.0	15.1
	AT RISK	0	3	4	5
50-54	PERSON YEARS	.0	2.9	4.3	7.2
	AT RISK	0	1	3	3
55-59	PERSON YEARS	.0	.0	2.9	2.9
	AT RISK	0	0	1	1
60-64	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
65-69	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
70-74	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
75-79	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0

DSW 147136

STLCOPCB4038983

80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	6.5	47.0	48.0	101.6
	AT RISK	7	10	10	10

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	1.8	7.1	.0	8.9
	AT RISK	3	5	0	5
25-29	PERSON YEARS	4.2	25.2	10.4	39.8
	AT RISK	6	12	6	13
30-34	PERSON YEARS	5.9	32.4	25.7	64.0
	AT RISK	7	11	12	19
35-39	PERSON YEARS	6.9	36.3	30.4	73.6
	AT RISK	9	13	11	21
40-44	PERSON YEARS	8.1	44.2	36.8	89.1
	AT RISK	9	17	13	22
45-49	PERSON YEARS	3.6	32.1	43.0	78.6
	AT RISK	4	14	16	22
50-54	PERSON YEARS	1.4	15.4	32.1	49.0
	AT RISK	2	7	13	15
55-59	PERSON YEARS	.0	3.3	15.4	18.7
	AT RISK	0	2	7	7
60-64	PERSON YEARS	2.0	3.4	3.3	8.7
	AT RISK	2	2	2	4

DSW 147137

STLCOPCB4038984

65-69	PERSON YEARS	.0	6.6	3.4	10.0
	AT RISK	0	2	2	2
70-74	PERSON YEARS	.0	.0	6.6	6.6
	AT RISK	0	0	2	2
75-79	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	33.9	206.1	207.1	447.1
	AT RISK	36	43	43	43

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	11.8	29.8	1.2	42.8
	AT RISK	16	18	1	22
25-29	PERSON YEARS	26.5	116.0	36.9	179.4
	AT RISK	32	46	19	52
30-34	PERSON YEARS	20.0	127.8	118.5	266.3
	AT RISK	27	46	46	73
35-39	PERSON YEARS	35.3	144.4	126.1	305.8
	AT RISK	46	56	47	93
40-44	PERSON YEARS	34.7	178.6	144.4	357.7
	AT RISK	41	71	56	97
45-49	PERSON YEARS	23.5	156.6	173.6	353.7
	AT RISK	32	61	70	103

DSW 147138

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50-54	PERSON YEARS	17.7	103.2	154.0	274.9
	AT RISK	20	44	59	79
55-59	PERSON YEARS	9.1	68.3	103.1	180.5
	AT RISK	12	28	44	56
60-64	PERSON YEARS	6.6	41.8	66.7	115.1
	AT RISK	8	18	28	36
65-69	PERSON YEARS	.8	19.9	41.7	62.4
	AT RISK	1	8	17	18
70-74	PERSON YEARS	.0	.8	17.1	17.8
	AT RISK	0	1	8	8
75-79	PERSON YEARS	.0	.0	.8	.8
	AT RISK	0	0	1	1
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	186.2	987.0	984.0	2157.2
	AT RISK	190	200	200	200

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
20-24	PERSON YEARS	.5	3.5	.0	4.0
	AT RISK	1	2	0	2
25-29	PERSON YEARS	1.1	8.3	4.7	14.1
	AT RISK	2	3	2	4
30-34	PERSON YEARS	4.9	21.8	6.3	33.0
	AT RISK	6	9	3	11

DSW 147139

STLCOPCB4038986

35-39	PERSON YEARS	6.6	39.6	25.6	71.8
	AT RISK	8	17	10	20
40-44	PERSON YEARS	2.4	32.0	43.5	77.9
	AT RISK	4	12	17	21
45-49	PERSON YEARS	.7	10.1	32.0	42.8
	AT RISK	1	6	12	15
50-54	PERSON YEARS	.3	9.3	11.4	21.0
	AT RISK	1	3	6	7
55-59	PERSON YEARS	.0	.3	9.3	9.6
	AT RISK	0	1	3	3
60-64	PERSON YEARS	.0	.0	.3	.3
	AT RISK	0	0	1	1
65-69	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
70-74	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
75-79	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	16.6	124.9	133.1	274.6
	AT RISK	19	27	27	27

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 2: PERSON YEARS AND ABSOLUTE NUMBER AT RISK
****

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0

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20-24	PERSON YEARS	12.4	33.2	1.2	46.8
	AT RISK	17	20	1	24
25-29	PERSON YEARS	27.6	124.3	41.6	193.5
	AT RISK	34	49	21	56
30-34	PERSON YEARS	24.9	149.6	124.8	299.3
	AT RISK	33	55	49	84
35-39	PERSON YEARS	41.9	184.0	151.7	377.5
	AT RISK	54	73	57	113
40-44	PERSON YEARS	37.2	210.6	187.8	435.7
	AT RISK	45	83	73	118
45-49	PERSON YEARS	24.2	166.7	205.6	396.6
	AT RISK	33	67	82	118
50-54	PERSON YEARS	18.0	112.5	165.5	296.0
	AT RISK	21	47	65	86
55-59	PERSON YEARS	9.1	68.6	112.4	190.1
	AT RISK	12	29	47	59
60-64	PERSON YEARS	6.6	41.8	66.9	115.3
	AT RISK	8	18	29	37
65-69	PERSON YEARS	.8	19.9	41.7	62.4
	AT RISK	1	8	17	18
70-74	PERSON YEARS	.0	.8	17.1	17.8
	AT RISK	0	1	8	8
75-79	PERSON YEARS	.0	.0	.8	.8
	AT RISK	0	0	1	1
80-84	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
85+	PERSON YEARS	.0	.0	.0	.0
	AT RISK	0	0	0	0
TOTAL	PERSON YEARS	202.8	1111.9	1117.1	2431.8
	AT RISK	209	227	227	227

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OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE

STLCOPCB4038988

CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****

TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES

****

CAUSE OF DEATH: All Causes of Death

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	142.27	126.57	119.07	
20-24	OBS	0	0	0	0
	EXP	.02	.04	.00	.07
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	185.33	169.65	157.32	
25-29	OBS	0	0	0	0
	EXP	.04	.15	.05	.24
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	163.54	159.28	154.51	
30-34	OBS	0	0	0	0
	EXP	.03	.17	.17	.36
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	162.79	161.85	173.84	
35-39	OBS	0	0	0	0
	EXP	.07	.24	.22	.52
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	217.08	196.83	209.62	
40-44	OBS	0	0	0	0
	EXP	.10	.43	.36	.89
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	339.59	297.41	293.84	
45-49	OBS	0	0	2	2
	EXP	.11	.63	.65	1.39
	SMR	---	---	308.5	143.6
	RATE (COHORT)/100000	.00	.00	1411.94	689.09
	RATE (STD)/100000	569.65	490.70	457.63	

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50-54	OBS	0	0	1	1
	EXP	.15	.75	.95	1.85
	SMR	---	---	105.0	54.1
	RATE (COHORT)/100000	.00	.00	792.38	428.91
	RATE (STD)/100000	927.36	822.85	754.62	
55-59	OBS	0	0	0	0
	EXP	.13	.86	1.11	2.10
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	1454.85	1325.67	1225.85	
60-64	OBS	0	0	1	1
	EXP	.11	.78	1.21	2.10
	SMR	---	---	82.8	47.7
	RATE (COHORT)/100000	.00	.00	1578.24	940.19
	RATE (STD)/100000	2307.15	2039.82	1905.97	
65-69	OBS	0	0	0	0
	EXP	.03	.42	1.15	1.60
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	3475.81	3180.47	2998.60	
70-74	OBS	0	0	2	2
	EXP	.00	.04	.48	.52
	SMR	---	---	414.9	384.8
	RATE (COHORT)/100000	---	.00	19129.98	17804.88
	RATE (STD)/100000	5139.15	4849.92	4610.82	
75-79	OBS	0	0	0	0
	EXP	.00	.00	.06	.06
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
	RATE (STD)/100000	7653.05	7282.32	7112.07	
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	11365.47	11011.87	11005.21	
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	18767.58	18529.74	18763.01	
TOTAL	OBS	0	0	6	6
	EXP	.78	4.52	6.40	11.69
	SMR	---	--- *	93.8	51.3
	RATE (COHORT)/100000	.00	.00	727.31	331.17

DSW 147143

STLCOPCB4038990

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	53.13	48.77	48.75	
20-24	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	58.05	53.49	49.44	
25-29	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	---	.00
	RATE (STD)/100000	60.59	55.99	54.13	
30-34	OBS	0	0	0	0
	EXP	.00	.01	.00	.01
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	76.83	68.71	67.05	
35-39	OBS	0	0	0	0
	EXP	.01	.03	.02	.05
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	115.74	100.05	94.72	
40-44	OBS	0	0	0	0
	EXP	.00	.03	.04	.08
	SMR	---	---	---	---

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	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	192.37	163.45	153.26	
45-49	OBS	0	0	0	0
	EXP	.00	.02	.05	.07
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	309.32	271.86	255.33	
50-54	OBS	0	0	0	0
	EXP	.00	.03	.03	.06
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	479.28	440.40	419.88	
55-59	OBS	0	0	0	0
	EXP	.00	.00	.04	.04
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
	RATE (STD)/100000	724.55	686.33	657.66	
60-64	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
	RATE (STD)/100000	1104.44	1061.09	1034.84	
65-69	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	1647.40	1624.91	1606.99	
70-74	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	2592.22	2542.03	2512.97	
75-79	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	4317.70	4058.41	4015.65	
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	7279.11	6973.74	6836.23	
85+	OBS	0	0	0	0

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	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	14609.09	14415.65	14673.01	
TOTAL	OBS	0	0	0	0
	EXP	.01	.12	.19	.32
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
20-24	OBS	0	0	0	0
	EXP	.02	.04	.00	.07
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
25-29	OBS	0	0	0	0
	EXP	.04	.15	.05	.24
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
30-34	OBS	0	0	0	0
	EXP	.03	.18	.17	.37
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
35-39	OBS	0	0	0	0
	EXP	.07	.27	.23	.57
	SMR	---	---	---	---

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	RATE (COHORT)/100000	.00	.00	.00	.00
40-44	OBS	0	0	0	0
	EXP	.10	.47	.40	.97
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
45-49	OBS	0	0	2	2
	EXP	.12	.65	.70	1.47
	SMR	---	---	284.9	136.5
	RATE (COHORT)/100000	.00	.00	1229.41	629.02
50-54	OBS	0	0	1	1
	EXP	.15	.77	.98	1.91
	SMR	---	---	101.8	52.4
	RATE (COHORT)/100000	.00	.00	749.89	404.91
55-59	OBS	0	0	0	0
	EXP	.13	.86	1.15	2.15
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
60-64	OBS	0	0	1	1
	EXP	.11	.78	1.21	2.10
	SMR	---	---	82.6	47.6
	RATE (COHORT)/100000	.00	.00	1571.79	937.89
65-69	OBS	0	0	0	0
	EXP	.03	.42	1.15	1.60
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
70-74	OBS	0	0	2	2
	EXP	.00	.04	.48	.52
	SMR	---	---	414.9	384.8
	RATE (COHORT)/100000	---	.00	19129.98	17804.88
75-79	OBS	0	0	0	0
	EXP	.00	.00	.06	.06
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---

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TOTAL	OBS	0	0	6	6
	EXP	.79	4.64	6.59	12.01
	SMR	---	--- *	91.1	49.9
	RATE (COHORT)/100000	.00	.00	659.34	302.31

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	141.96	119.03	127.91	
20-24	OBS	0	0	0	0
	EXP	.00	.01	.00	.01
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	---	.00
	RATE (STD)/100000	283.70	228.96	223.38	
25-29	OBS	0	0	0	0
	EXP	.01	.06	.02	.09
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	361.58	283.90	275.63	
30-34	OBS	0	0	0	0
	EXP	.01	.09	.08	.18
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	411.53	349.62	365.25	
35-39	OBS	0	0	0	0
	EXP	.03	.10	.11	.25
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00

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	RATE (STD)/100000	554.41	450.33	487.95	
40-44	OBS	0	0	0	0
	EXP	.05	.21	.14	.40
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	773.38	631.95	641.39	
45-49	OBS	0	0	1	1
	EXP	.04	.27	.28	.58
	SMR	---	---	361.1	171.2
	RATE (COHORT)/100000	.00	.00	3129.02	1575.72
	RATE (STD)/100000	1122.31	956.85	866.53	
50-54	OBS	0	0	0	0
	EXP	.02	.18	.36	.57
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	1681.08	1416.28	1309.80	
55-59	OBS	0	0	0	0
	EXP	.00	.07	.23	.30
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
	RATE (STD)/100000	2282.55	2053.89	1827.47	
60-64	OBS	0	0	0	0
	EXP	.06	.10	.09	.25
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	3072.37	2926.71	2703.76	
65-69	OBS	0	0	0	0
	EXP	.00	.26	.13	.39
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
	RATE (STD)/100000	4097.63	3887.07	3880.31	
70-74	OBS	0	0	0	0
	EXP	.00	.00	.36	.36
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
	RATE (STD)/100000	5615.13	5543.68	5503.30	
75-79	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	7488.48	7107.70	7404.48	
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00

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	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	10078.88	10900.53	11034.22	
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	14345.94	14559.98	14429.14	
TOTAL	OBS	0	0	1	1
	EXP	.24	1.34	1.81	3.38
	SMR	---	---	55.3	29.6
	RATE (COHORT)/100000	.00	.00	628.68	289.46

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP

RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	57.07	46.61	46.62	
20-24	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	---	.00
	RATE (STD)/100000	98.50	78.22	73.47	
25-29	OBS	0	0	0	0
	EXP	.00	.01	.00	.01
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	126.62	105.33	102.24	

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30-34	OBS	0	0	0	0
	EXP	.00	.01	.00	.02
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	164.93	139.31	150.38	
35-39	OBS	0	0	0	0
	EXP	.00	.03	.01	.05
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	255.78	203.40	203.72	
40-44	OBS	0	0	0	0
	EXP	.01	.04	.05	.09
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
	RATE (STD)/100000	394.72	321.67	301.10	
45-49	OBS	0	0	0	0
	EXP	.00	.02	.05	.07
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
	RATE (STD)/100000	597.58	498.39	446.79	
50-54	OBS	0	0	0	0
	EXP	.00	.02	.03	.05
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
	RATE (STD)/100000	881.23	749.59	703.91	
55-59	OBS	0	0	0	0
	EXP	.00	.00	.03	.03
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
	RATE (STD)/100000	1232.56	1130.04	1026.48	
60-64	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	1720.80	1640.66	1580.18	
65-69	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	2368.61	2209.82	2150.66	
70-74	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---

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	RATE (STD)/100000	3582.75	3367.04	3228.23	
75-79	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	5001.47	4600.41	4634.32	
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	6680.26	7603.64	7657.94	
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
	RATE (STD)/100000	11126.19	11273.01	11863.31	
TOTAL	OBS	0	0	0	0
	EXP	.01	.12	.18	.32
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
20-24	OBS	0	0	0	0
	EXP	.00	.01	.00	.02
	SMR	---	---	---	---

DSW 147152

STLCOPCB4038999

	RATE (COHORT)/100000	.00	.00	---	.00
25-29	OBS	0	0	0	0
	EXP	.01	.06	.02	.10
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
30-34	OBS	0	0	0	0
	EXP	.02	.10	.09	.20
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
35-39	OBS	0	0	0	0
	EXP	.03	.13	.13	.29
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
40-44	OBS	0	0	0	0
	EXP	.06	.25	.18	.49
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
45-49	OBS	0	0	1	1
	EXP	.04	.29	.33	.65
	SMR	---	---	306.7	152.9
	RATE (COHORT)/100000	.00	.00	2327.95	1272.31
50-54	OBS	0	0	0	0
	EXP	.02	.20	.39	.62
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
55-59	OBS	0	0	0	0
	EXP	.00	.07	.26	.33
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
60-64	OBS	0	0	0	0
	EXP	.06	.10	.09	.25
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
65-69	OBS	0	0	0	0
	EXP	.00	.26	.13	.39
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
70-74	OBS	0	0	0	0
	EXP	.00	.00	.36	.36
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00

DSW 147153

STLCOPCB4039000

75-79	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
TOTAL	OBS	0	0	1	1
	EXP	.25	1.46	1.98	3.70
	SMR	---	---	50.4	27.1
	RATE (COHORT)/100000	.00	.00	482.89	223.69

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
20-24	OBS	0	0	0	0
	EXP	.02	.05	.00	.08
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
25-29	OBS	0	0	0	0
	EXP	.05	.21	.06	.32
	SMR	---	---	---	---

DSW 147154

STLCOPCB4039001

	RATE (COHORT)/100000	.00	.00	.00	.00
30-34	OBS	0	0	0	0
	EXP	.04	.25	.25	.54
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
35-39	OBS	0	0	0	0
	EXP	.09	.34	.33	.77
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
40-44	OBS	0	0	0	0
	EXP	.15	.64	.50	1.29
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
45-49	OBS	0	0	3	3
	EXP	.15	.90	.93	1.98
	SMR	---	---	324.3	151.7
	RATE (COHORT)/100000	.00	.00	1728.03	848.17
50-54	OBS	0	0	1	1
	EXP	.18	.92	1.32	2.42
	SMR	---	---	75.9	41.4
	RATE (COHORT)/100000	.00	.00	649.26	363.74
55-59	OBS	0	0	0	0
	EXP	.13	.93	1.34	2.40
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
60-64	OBS	0	0	1	1
	EXP	.17	.88	1.30	2.35
	SMR	---	---	77.1	42.6
	RATE (COHORT)/100000	.00	.00	1499.96	868.96
65-69	OBS	0	0	0	0
	EXP	.03	.68	1.28	1.99
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
70-74	OBS	0	0	2	2
	EXP	.00	.04	.85	.88
	SMR	---	---	236.6	226.5
	RATE (COHORT)/100000	---	.00	11726.91	11215.24
75-79	OBS	0	0	0	0
	EXP	.00	.00	.06	.06
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00

DSW 147155

STLCOPCB4039002

80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
TOTAL	OBS	0	0	7	7
	EXP	1.01	5.85	8.20	15.07
	SMR	---	--- **	85.3	46.4 *
	RATE (COHORT)/100000	.00	.00	711.37	324.49

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

AGE GROUP		TIME-PERIOD 79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
20-24	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	---	.00
25-29	OBS	0	0	0	0
	EXP	.00	.01	.00	.01
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
30-34	OBS	0	0	0	0
	EXP	.01	.02	.01	.03
	SMR	---	---	---	---

DSW 147156

STLCOPCB4039003

	RATE (COHORT)/100000	.00	.00	.00	.00
35-39	OBS	0	0	0	0
	EXP	.01	.05	.03	.10
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
40-44	OBS	0	0	0	0
	EXP	.01	.07	.09	.17
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
45-49	OBS	0	0	0	0
	EXP	.00	.04	.10	.14
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
50-54	OBS	0	0	0	0
	EXP	.00	.05	.06	.11
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
55-59	OBS	0	0	0	0
	EXP	.00	.00	.07	.07
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	.00	.00	.00
60-64	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
65-69	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
70-74	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
75-79	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---

DSW 147157

STLCOPCB4039004

85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
TOTAL	OBS	0	0	0	0
	EXP	.03	.24	.37	.64
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987

POPULATION SUBGROUP

RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL

****
TABLE TYPE 3: CAUSE SPECIFIC OBSERVED AND EXPECTED NUMBERS OF DEATHS SHOWING SMR's AND DEATH RATES
****

CAUSE OF DEATH: All Causes of Death

		TIME-PERIOD			
AGE GROUP		79-79	80-84	85-89	TOTAL
<20	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
20-24	OBS	0	0	0	0
	EXP	.02	.06	.00	.08
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
25-29	OBS	0	0	0	0
	EXP	.05	.22	.07	.34
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
30-34	OBS	0	0	0	0
	EXP	.05	.27	.26	.58
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
35-39	OBS	0	0	0	0
	EXP	.10	.40	.36	.86
	SMR	---	---	---	---

DSW 147158

STLCOPCB4039005

	RATE (COHORT)/100000	.00	.00	.00	.00
40-44	OBS	0	0	0	0
	EXP	.15	.71	.59	1.46
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
45-49	OBS	0	0	3	3
	EXP	.16	.94	1.03	2.12
	SMR	---	---	291.8	141.6
	RATE (COHORT)/100000	.00	.00	1458.89	756.52
50-54	OBS	0	0	1	1
	EXP	.18	.97	1.38	2.53
	SMR	---	---	72.6	39.6
	RATE (COHORT)/100000	.00	.00	604.37	337.89
55-59	OBS	0	0	0	0
	EXP	.13	.93	1.41	2.48
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
60-64	OBS	0	0	1	1
	EXP	.17	.88	1.30	2.35
	SMR	---	---	76.9	42.5
	RATE (COHORT)/100000	.00	.00	1494.13	867.00
65-69	OBS	0	0	0	0
	EXP	.03	.68	1.28	1.99
	SMR	---	---	---	---
	RATE (COHORT)/100000	.00	.00	.00	.00
70-74	OBS	0	0	2	2
	EXP	.00	.04	.85	.88
	SMR	---	---	236.6	226.5
	RATE (COHORT)/100000	---	.00	11726.91	11215.24
75-79	OBS	0	0	0	0
	EXP	.00	.00	.06	.06
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	.00	.00
80-84	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---
85+	OBS	0	0	0	0
	EXP	.00	.00	.00	.00
	SMR	---	---	---	---
	RATE (COHORT)/100000	---	---	---	---

STLCOPCB4039006

DSW 147159

TOTAL	OBS	0	0	7	7
	EXP	1.04	6.09	8.57	15.71
	SMR	---	--- **	81.6	44.6 *
	RATE (COHORT)/100000	.00	.00	626.63	287.85

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: <10

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 64
PERSON YEARS: 578.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.31	---	.0	282.7	.0	405.9
All Malignant Neoplasms	0	.19	---	.0	1930.8	.0	2773.0
Cancer of Large Intestine	0	.01	---	.0	27788.2	.0	39908.3
Cancer of Bronchus, Trachea, Lung	0	.05	---	.0	7424.6	.0	10663.0
Cancer of Breast	0	.00	---	.0	1662265.0	.0	2387282.0
Cancer of Prostate (Males only)	0	.00	---	.0	196314.8	.0	281939.8
All Heart Disease	0	.23	---	.0	1614.8	.0	2319.1
All External Causes of Death	0	.59	---	.0	625.7	.0	898.6
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147160

STLCOPCB4039007

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: <10

DSW 147161

STLCOPCB4039008

SUBGROUP DATA

NUMBER AT RISK: 64
PERSON YEARS: 578.0

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.31	---	.0	282.7	.0	405.9
All Malignant Neoplasms	0	.19	---	.0	1930.8	.0	2773.0
Cancer of Large Intestine	0	.01	---	.0	27788.2	.0	39908.3
Cancer of Bronchus, Trachea, Lung	0	.05	---	.0	7424.6	.0	10663.0
Cancer of Breast	0	.00	---	.0	1662265.0	.0	2387282.0
Cancer of Prostate (Males only)	0	.00	---	.0	196314.8	.0	281939.8
All Heart Disease	0	.23	---	.0	1614.8	.0	2319.1
All External Causes of Death	0	.59	---	.0	625.7	.0	898.6
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: 10+

SUBGROUP DATA

NUMBER AT RISK: 99
PERSON YEARS: 497.1

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****

DSW 147162

STLCOPCB4039009

TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.89	---	.0	195.5	.0	280.8
All Malignant Neoplasms	0	.40	---	.0	915.0	.0	1314.1
Cancer of Large Intestine	0	.03	---	.0	12154.6	.0	17456.0
Cancer of Bronchus, Trachea, Lung	0	.14	---	.0	2635.7	.0	3785.3
Cancer of Breast	0	.00	---	.0	737748.1	.0	1059525.0
Cancer of Prostate (Males only)	0	.00	---	.0	74615.8	.0	107160.3
All Heart Disease	0	.58	---	.0	634.9	.0	911.8
All External Causes of Death	0	.44	---	.0	845.7	.0	1214.6
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 103
PERSON YEARS: 736.7

DSW 147163

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CONFIDENCE INTERVALS

95% LIMITS 99% LIMITS

STLCOPCB4039010

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	6	8.50	70.6	25.9	153.7	18.1	184.3
All Malignant Neoplasms	3	2.47	121.6	25.1	355.5	13.7	445.1
Cancer of Large Intestine	1	.21	479.3	12.0	2670.7	2.4	3561.2
Cancer of Bronchus, Trachea, Lung	1	.99	101.0	2.5	563.0	.5	750.8
Cancer of Breast	0	.00	---	.0	131672.4	.0	189102.8
Cancer of Prostate (Males only)	0	.11	---	.0	3337.4	.0	4793.0
All Heart Disease	2	3.27	61.2	7.4	221.1	3.2	283.8
All External Causes of Death	0	.63	---	.0	582.8	.0	837.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: 10+

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 131
PERSON YEARS: 1233.8

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	6	10.38	57.8	21.2	125.8	14.8	150.8
All Malignant Neoplasms	3	2.87	104.5	21.6	305.5	11.8	382.5

DSW 147164

STLCOPCB4039011

Cancer of Large Intestine	1	.24	418.4	10.5	2331.5	2.1	3109.0
Cancer of Bronchus, Trachea, Lung	1	1.13	88.5	2.2	493.3	.4	657.8
Cancer of Breast	0	.00	---	.0	111730.8	.0	160463.5
Cancer of Prostate (Males only)	0	.12	---	.0	3194.5	.0	4587.8
All Heart Disease	2	3.85	52.0	6.3	187.7	2.7	240.9
All External Causes of Death	0	1.07	---	.0	345.0	.0	495.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 135
PERSON YEARS: 1075.1

POPULATION SUBGROUP
RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	3.19	---	.0	115.6	.0	166.0
All Malignant Neoplasms	0	.59	---	.0	620.8	.0	891.6
Cancer of Large Intestine	0	.04	---	.0	8455.9	.0	12144.1
Cancer of Bronchus, Trachea, Lung	0	.19	---	.0	1945.2	.0	2793.6
Cancer of Breast	0	.00	---	.0	510969.2	.0	733834.3
Cancer of Prostate (Males only)	0	.01	---	.0	54066.2	.0	77647.8

DSW 147165

STLCOPCB4039012

All Heart Disease	0	.81	---	.0	455.7	.0	654.5
All External Causes of Death	0	1.03	---	.0	359.6	.0	516.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

SUBGROUP DATA

NUMBER AT RISK: 103
PERSON YEARS: 736.7

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	6	8.50	70.6	25.9	153.7	18.1	184.3
All Malignant Neoplasms	3	2.47	121.6	25.1	355.5	13.7	445.1
Cancer of Large Intestine	1	.21	479.3	12.0	2670.7	2.4	3561.2
Cancer of Bronchus, Trachea, Lung	1	.99	101.0	2.5	563.0	.5	750.8
Cancer of Breast	0	.00	---	.0	131672.4	.0	189102.8
Cancer of Prostate (Males only)	0	.11	---	.0	3337.4	.0	4793.0
All Heart Disease	2	3.27	61.2	7.4	221.1	3.2	283.8
All External Causes of Death	0	.63	---	.0	582.8	.0	837.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147166

STLCOPCB4039013

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

SUBGROUP DATA

NUMBER AT RISK: 167
PERSON YEARS: 1811.7

POPULATION SUBGROUP

RACE: WHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	11.69	51.3	18.8	111.7	13.1	134.0
All Malignant Neoplasms	3	3.06	98.0	20.2	286.5	11.0	358.7
Cancer of Large Intestine	1	.25	396.4	9.9	2208.8	2.0	2945.4
Cancer of Bronchus, Trachea, Lung	1	1.18	84.8	2.1	472.5	.4	630.0
Cancer of Breast	0	.00	---	.0	104693.7	.0	150357.1
Cancer of Prostate (Males only)	0	.12	---	.0	3143.3	.0	4514.4
All Heart Disease	2	4.08	49.0	5.9	177.2	2.5	227.4
All External Causes of Death	0	1.66	---	.0	222.4	.0	319.4
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

DSW 147167

STLCOPCB4039014

SUBGROUP DATA

NUMBER AT RISK: 17
PERSON YEARS: 166.0

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.31	---	.0	1187.8	.0	1705.8
All Malignant Neoplasms	0	.13	---	.0	2835.5	.0	4072.3
Cancer of Large Intestine	0	.01	---	.0	46296.8	.0	66489.6
Cancer of Bronchus, Trachea, Lung	0	.02	---	.0	15761.6	.0	22636.2
Cancer of Breast	0	.04	---	.0	9320.0	.0	13385.0
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.05	---	.0	7613.4	.0	10934.1
All External Causes of Death	0	.05	---	.0	7951.0	.0	11419.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS

DSW 147168

STLCOPCB4039015

****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 17
PERSON YEARS: 166.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147169

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER

STLCOPCB4039016

All Causes of Death	0	.31	---	.0	1187.8	.0	1705.8
All Malignant Neoplasms	0	.13	---	.0	2835.5	.0	4072.3
Cancer of Large Intestine	0	.01	---	.0	46296.8	.0	66489.6
Cancer of Bronchus, Trachea, Lung	0	.02	---	.0	15761.6	.0	22636.2
Cancer of Breast	0	.04	---	.0	9320.0	.0	13385.0
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.05	---	.0	7613.4	.0	10934.1
All External Causes of Death	0	.05	---	.0	7951.0	.0	11419.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 2
PERSON YEARS: 7.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.01	---	.0	26952.9	.0	38708.7
All Malignant Neoplasms	0	.01	---	.0	60744.2	.0	87238.5
Cancer of Large Intestine	0	.00	---	.0	1102917.0	.0	1583968.0

DSW 147170

STLCOPCB4039017

Cancer of Bronchus, Trachea, Lung	0	.00	---	.0	353016.5	.0	506988.7
Cancer of Breast	0	.00	---	.0	184147.1	.0	264465.0
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	.0	186291.0	.0	267544.0
All External Causes of Death	0	.00	---	.0	191832.6	.0	275502.6
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---

DSW 147171

STLCOPCB4039018

All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 2
PERSON YEARS: 7.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.01	---	.0	26952.9	.0	38708.7
All Malignant Neoplasms	0	.01	---	.0	60744.2	.0	87238.5
Cancer of Large Intestine	0	.00	---	.0	1102917.0	.0	1583968.0
Cancer of Bronchus, Trachea, Lung	0	.00	---	.0	353016.5	.0	506988.7
Cancer of Breast	0	.00	---	.0	184147.1	.0	264465.0
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	.0	186291.0	.0	267544.0
All External Causes of Death	0	.00	---	.0	191832.6	.0	275502.6
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147172

STLCOPCB4039019

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 17
PERSON YEARS: 173.0

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.32	---	.0	1137.6	.0	1633.8
All Malignant Neoplasms	0	.14	---	.0	2709.1	.0	3890.7
Cancer of Large Intestine	0	.01	---	.0	44431.7	.0	63811.1
Cancer of Bronchus, Trachea, Lung	0	.02	---	.0	15088.0	.0	21668.8
Cancer of Breast	0	.04	---	.0	8871.0	.0	12740.2
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.05	---	.0	7314.5	.0	10504.8
All External Causes of Death	0	.05	---	.0	7634.6	.0	10964.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+

DSW 147173

STLCOPCB4039020

NUMBER AT RISK: 0
PERSON YEARS: .0

TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

NUMBER AT RISK: 17
PERSON YEARS: 173.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147174

STLCOPCB4039021

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.32	---	.0	1137.6	.0	1633.8
All Malignant Neoplasms	0	.14	---	.0	2709.1	.0	3890.7
Cancer of Large Intestine	0	.01	---	.0	44431.7	.0	63811.1
Cancer of Bronchus, Trachea, Lung	0	.02	---	.0	15088.0	.0	21668.8
Cancer of Breast	0	.04	---	.0	8871.0	.0	12740.2
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.05	---	.0	7314.5	.0	10504.8
All External Causes of Death	0	.05	---	.0	7634.6	.0	10964.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: <10
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 81
PERSON YEARS: 744.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER

DSW 147175

STLCOPCB4039022

All Causes of Death	0	1.62	---	.0	228.3	.0	327.9
All Malignant Neoplasms	0	.32	---	.0	1148.7	.0	1649.7
Cancer of Large Intestine	0	.02	---	.0	17365.2	.0	24939.3
Cancer of Bronchus, Trachea, Lung	0	.07	---	.0	5047.1	.0	7248.5
Cancer of Breast	0	.04	---	.0	9268.0	.0	13310.3
Cancer of Prostate (Males only)	0	.00	---	.0	196314.8	.0	281939.8
All Heart Disease	0	.28	---	.0	1332.2	.0	1913.3
All External Causes of Death	0	.64	---	.0	580.0	.0	833.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---

DSW 147176

STLCOPCB4039023

Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: <10
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 81
PERSON YEARS: 744.0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.62	---	.0	228.3	.0	327.9
All Malignant Neoplasms	0	.32	---	.0	1148.7	.0	1649.7
Cancer of Large Intestine	0	.02	---	.0	17365.2	.0	24939.3
Cancer of Bronchus, Trachea, Lung	0	.07	---	.0	5047.1	.0	7248.5
Cancer of Breast	0	.04	---	.0	9268.0	.0	13310.3
Cancer of Prostate (Males only)	0	.00	---	.0	196314.8	.0	281939.8
All Heart Disease	0	.28	---	.0	1332.2	.0	1913.3
All External Causes of Death	0	.64	---	.0	580.0	.0	833.0

DSW 147177

STLCOPCB4039024

Unknown Causes (In All Causes Category Only) 0

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 101
PERSON YEARS: 504.1

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.90	---	.0	194.1	.0	278.8
All Malignant Neoplasms	0	.41	---	.0	901.4	.0	1294.6
Cancer of Large Intestine	0	.03	---	.0	12022.1	.0	17265.7
Cancer of Bronchus, Trachea, Lung	0	.14	---	.0	2616.2	.0	3757.2
Cancer of Breast	0	.00	---	.0	147364.0	.0	211638.5
Cancer of Prostate (Males only)	0	.00	---	.0	74615.8	.0	107160.3
All Heart Disease	0	.58	---	.0	632.7	.0	908.7
All External Causes of Death	0	.44	---	.0	842.0	.0	1209.2
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

DSW 147178

STLCOPCB4039025

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 103
PERSON YEARS: 736.7

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	8.50	70.6	25.9	153.7	18.1	184.3
All Malignant Neoplasms	3	2.47	121.6	25.1	355.5	13.7	445.1
Cancer of Large Intestine	1	.21	479.3	12.0	2670.7	2.4	3561.2
Cancer of Bronchus, Trachea, Lung	1	.99	101.0	2.5	563.0	.5	750.8
Cancer of Breast	0	.00	---	.0	131672.4	.0	189102.8
Cancer of Prostate (Males only)	0	.11	---	.0	3337.4	.0	4793.0
All Heart Disease	2	3.27	61.2	7.4	221.1	3.2	283.8
All External Causes of Death	0	.63	---	.0	582.8	.0	837.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+

LATENCY: TOTAL

SUBGROUP DATA

DSW 147179

STLCOPCB4039026

NUMBER AT RISK: 133
PERSON YEARS: 1240.8

TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	10.40	57.7	21.2	125.6	14.8	150.6
All Malignant Neoplasms	3	2.88	104.3	21.5	304.9	11.8	381.7
Cancer of Large Intestine	1	.24	417.8	10.4	2328.3	2.1	3104.6
Cancer of Bronchus, Trachea, Lung	1	1.13	88.4	2.2	492.8	.4	657.1
Cancer of Breast	0	.01	---	.0	69538.5	.0	99868.5
Cancer of Prostate (Males only)	0	.12	---	.0	3194.5	.0	4587.8
All Heart Disease	2	3.85	51.9	6.3	187.6	2.7	240.8
All External Causes of Death	0	1.07	---	.0	344.4	.0	494.6
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

NUMBER AT RISK: 152
PERSON YEARS: 1248.1

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147180

STLCOPCB4039027

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	3.52	---	.0	104.9	.0	150.7
All Malignant Neoplasms	0	.73	---	.0	505.1	.0	725.3
Cancer of Large Intestine	0	.05	---	.0	7104.0	.0	10202.4
Cancer of Bronchus, Trachea, Lung	0	.21	---	.0	1723.0	.0	2474.6
Cancer of Breast	0	.04	---	.0	8719.6	.0	12522.8
Cancer of Prostate (Males only)	0	.01	---	.0	54066.2	.0	77647.8
All Heart Disease	0	.86	---	.0	429.0	.0	616.1
All External Causes of Death	0	1.07	---	.0	343.4	.0	493.2
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 103
PERSON YEARS: 736.7

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	8.50	70.6	25.9	153.7	18.1	184.3

DSW 147181

STLCOPCB4039028

All Malignant Neoplasms	3	2.47	121.6	25.1	355.5	13.7	445.1
Cancer of Large Intestine	1	.21	479.3	12.0	2670.7	2.4	3561.2
Cancer of Bronchus, Trachea, Lung	1	.99	101.0	2.5	563.0	.5	750.8
Cancer of Breast	0	.00	---	.0	131672.4	.0	189102.8
Cancer of Prostate (Males only)	0	.11	---	.0	3337.4	.0	4793.0
All Heart Disease	2	3.27	61.2	7.4	221.1	3.2	283.8
All External Causes of Death	0	.63	---	.0	582.8	.0	837.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 184
PERSON YEARS: 1984.7

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	6	12.01	49.9	18.3	108.7	12.8	130.3
All Malignant Neoplasms	3	3.20	93.8	19.4	274.2	10.6	343.4
Cancer of Large Intestine	1	.26	383.8	9.6	2138.4	1.9	2851.5
Cancer of Bronchus, Trachea, Lung	1	1.20	83.1	2.1	462.9	.4	617.2
Cancer of Breast	0	.05	---	.0	8178.0	.0	11745.0

DSW 147182

STLCOPCB4039029

Cancer of Prostate (Males only)	0	.12	---	.0	3143.3	.0	4514.4
All Heart Disease	2	4.13	48.4	5.9	175.0	2.5	224.6
All External Causes of Death	0	1.71	---	.0	216.1	.0	310.4
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: <10
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 26
PERSON YEARS: 219.7

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	1.35	---	.0	273.5	.0	392.8
All Malignant Neoplasms	0	.21	---	.0	1756.5	.0	2522.6
Cancer of Large Intestine	0	.01	---	.0	29699.8	.0	42653.6
Cancer of Bronchus, Trachea, Lung	0	.07	---	.0	5055.9	.0	7261.1
Cancer of Breast	0	.00	---	.0	1642903.0	.0	2359474.0
Cancer of Prostate (Males only)	0	.00	---	.0	101206.2	.0	145348.5
All Heart Disease	0	.29	---	.0	1281.7	.0	1840.7
All External Causes of Death	0	.38	---	.0	963.6	.0	1383.8
Unknown Causes (In All Causes Category Only)	0						

DSW 147183

STLCOPCB4039030

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance

POPULATION SUBGROUP

DSW 147184

STLCOPCB4039031

POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: <10

SUBGROUP DATA

NUMBER AT RISK: 26
PERSON YEARS: 219.7

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.35	---	.0	273.5	.0	392.8
All Malignant Neoplasms	0	.21	---	.0	1756.5	.0	2522.6
Cancer of Large Intestine	0	.01	---	.0	29699.8	.0	42653.6
Cancer of Bronchus, Trachea, Lung	0	.07	---	.0	5055.9	.0	7261.1
Cancer of Breast	0	.00	---	.0	1642903.0	.0	2359474.0
Cancer of Prostate (Males only)	0	.00	---	.0	101206.2	.0	145348.5
All Heart Disease	0	.29	---	.0	1281.7	.0	1840.7
All External Causes of Death	0	.38	---	.0	963.6	.0	1383.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

POPULATION SUBGROUP

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: 10+

SUBGROUP DATA

NUMBER AT RISK: 15

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

DSW 147185

STLCOPCB4039032

PERSON YEARS: 71.2

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	.67	150.3	3.8	837.4	.8	1116.6
All Malignant Neoplasms	0	.14	---	.0	2573.2	.0	3695.5
Cancer of Large Intestine	0	.01	---	.0	42870.8	.0	61569.3
Cancer of Bronchus, Trachea, Lung	0	.05	---	.0	6881.2	.0	9882.5
Cancer of Breast	0	.00	---	.0	2959195.0	.0	4249882.0
Cancer of Prostate (Males only)	0	.00	---	.0	84035.1	.0	120688.0
All Heart Disease	0	.18	---	.0	2067.8	.0	2969.7
All External Causes of Death	1	.11	934.6	23.4	5207.6	4.7	6944.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 7
PERSON YEARS: 54.6

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CONFIDENCE INTERVALS

DSW 147186

STLCOPCB4039033

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.37	---	.0	269.9	.0	387.6
All Malignant Neoplasms	0	.39	---	.0	943.0	.0	1354.3
Cancer of Large Intestine	0	.03	---	.0	13523.7	.0	19422.2
Cancer of Bronchus, Trachea, Lung	0	.15	---	.0	2541.3	.0	3649.7
Cancer of Breast	0	.00	---	.0	914515.3	.0	1313392.0
Cancer of Prostate (Males only)	0	.04	---	.0	8583.4	.0	12327.2
All Heart Disease	0	.46	---	.0	805.7	.0	1157.2
All External Causes of Death	0	.08	---	.0	4578.2	.0	6575.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: 10+

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 18
PERSON YEARS: 125.8

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	2.03	49.2	1.2	274.2	.2	365.6

DSW 147187

STLCOPCB4039034

All Malignant Neoplasms	0	.53	---	.0	690.1	.0	991.1
Cancer of Large Intestine	0	.04	---	.0	10280.6	.0	14764.6
Cancer of Bronchus, Trachea, Lung	0	.20	---	.0	1855.9	.0	2665.4
Cancer of Breast	0	.00	---	.0	698614.3	.0	1003323.0
Cancer of Prostate (Males only)	0	.05	---	.0	7788.0	.0	11184.8
All Heart Disease	0	.64	---	.0	579.8	.0	832.7
All External Causes of Death	1	.19	533.1	13.3	2970.6	2.7	3961.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 30
PERSON YEARS: 290.9

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	1	2.01	49.7	1.2	276.7	.2	368.9
All Malignant Neoplasms	0	.35	---	.0	1043.9	.0	1499.2
Cancer of Large Intestine	0	.02	---	.0	17545.0	.0	25197.5
Cancer of Bronchus, Trachea, Lung	0	.13	---	.0	2914.5	.0	4185.7
Cancer of Breast	0	.00	---	.0	1056403.0	.0	1517165.0

DSW 147188

STLCOPCB4039035

Cancer of Prostate (Males only)	0	.01	---	.0	45912.4	.0	65937.6
All Heart Disease	0	.47	---	.0	791.2	.0	1136.3
All External Causes of Death	1	.49	204.1	5.1	1137.5	1.0	1516.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 7
PERSON YEARS: 54.6

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	1.37	---	.0	269.9	.0	387.6
All Malignant Neoplasms	0	.39	---	.0	943.0	.0	1354.3
Cancer of Large Intestine	0	.03	---	.0	13523.7	.0	19422.2
Cancer of Bronchus, Trachea, Lung	0	.15	---	.0	2541.3	.0	3649.7
Cancer of Breast	0	.00	---	.0	914515.3	.0	1313392.0
Cancer of Prostate (Males only)	0	.04	---	.0	8583.4	.0	12327.2
All Heart Disease	0	.46	---	.0	805.7	.0	1157.2
All External Causes of Death	0	.08	---	.0	4578.2	.0	6575.1
Unknown Causes (In All Causes Category Only)	0						

DSW 147189

STLCOPCB4039036

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 33
PERSON YEARS: 345.5

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	3.38	29.6	.7	164.8	.1	219.8
All Malignant Neoplasms	0	.74	---	.0	495.4	.0	711.5
Cancer of Large Intestine	0	.05	---	.0	7637.0	.0	10968.0
Cancer of Bronchus, Trachea, Lung	0	.27	---	.0	1357.6	.0	1949.7
Cancer of Breast	0	.00	---	.0	490176.0	.0	703971.9
Cancer of Prostate (Males only)	0	.05	---	.0	7231.5	.0	10385.6
All Heart Disease	0	.92	---	.0	399.2	.0	573.3
All External Causes of Death	1	.57	175.3	4.4	976.8	.9	1302.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: NONWHITE

DSW 147190

STLCOPCB4039037

EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

SEX: FEMALE
CUMULATIVE EXPOSURE: <10

SUBGROUP DATA

NUMBER AT RISK: 10
PERSON YEARS: 83.2

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.24	---	.0	1509.6	.0	2168.1
All Malignant Neoplasms	0	.07	---	.0	5660.0	.0	8128.7
Cancer of Large Intestine	0	.00	---	.0	87973.7	.0	126344.4
Cancer of Bronchus, Trachea, Lung	0	.01	---	.0	37772.8	.0	54247.8
Cancer of Breast	0	.02	---	.0	19795.6	.0	28429.7
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.05	---	.0	7459.9	.0	10713.6
All External Causes of Death	0	.03	---	.0	11443.9	.0	16435.2
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

DSW 147191

STLCOPCB4039038

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 10
PERSON YEARS: 83.2

DSW 147192

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CONFIDENCE INTERVALS
95% LIMITS 99% LIMITS

STLCOPCB4039039

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.24	---	.0	1509.6	.0	2168.1
All Malignant Neoplasms	0	.07	---	.0	5660.0	.0	8128.7
Cancer of Large Intestine	0	.00	---	.0	87973.7	.0	126344.4
Cancer of Bronchus, Trachea, Lung	0	.01	---	.0	37772.8	.0	54247.8
Cancer of Breast	0	.02	---	.0	19795.6	.0	28429.7
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.05	---	.0	7459.9	.0	10713.6
All External Causes of Death	0	.03	---	.0	11443.9	.0	16435.2
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 5
PERSON YEARS: 18.3

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.07	---	.0	5156.9	.0	7406.1
All Malignant Neoplasms	0	.02	---	.0	16706.0	.0	23992.5

DSW 147193

STLCOPCB4039040

Cancer of Large Intestine	0	.00	---	.0	248981.5	.0	357577.6
Cancer of Bronchus, Trachea, Lung	0	.00	---	.0	105953.7	.0	152166.6
Cancer of Breast	0	.01	---	.0	54314.3	.0	78004.1
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.02	---	.0	23777.5	.0	34148.3
All External Causes of Death	0	.01	---	.0	59815.7	.0	85905.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---

DSW 147194

STLCOPCB4039041

All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 5
PERSON YEARS: 18.3

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.07	---	.0	5156.9	.0	7406.1
All Malignant Neoplasms	0	.02	---	.0	16706.0	.0	23992.5
Cancer of Large Intestine	0	.00	---	.0	248981.5	.0	357577.6
Cancer of Bronchus, Trachea, Lung	0	.00	---	.0	105953.7	.0	152166.6
Cancer of Breast	0	.01	---	.0	54314.3	.0	78004.1
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.02	---	.0	23777.5	.0	34148.3
All External Causes of Death	0	.01	---	.0	59815.7	.0	85905.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147195

STLCOPCB4039042

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

SUBGROUP DATA

NUMBER AT RISK: 10
PERSON YEARS: 101.6

POPULATION SUBGROUP

RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.32	---	.0	1167.8	.0	1677.1
All Malignant Neoplasms	0	.09	---	.0	4227.7	.0	6071.6
Cancer of Large Intestine	0	.01	---	.0	65005.1	.0	93357.9
Cancer of Bronchus, Trachea, Lung	0	.01	---	.0	27845.7	.0	39990.9
Cancer of Breast	0	.03	---	.0	14508.0	.0	20835.8
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.06	---	.0	5678.4	.0	8155.1
All External Causes of Death	0	.04	---	.0	9606.0	.0	13795.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL

DSW 147196

STLCOPCB4039043

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 10
PERSON YEARS: 101.6

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147197

STLCOPCB4039044

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.32	---	.0	1167.8	.0	1677.1
All Malignant Neoplasms	0	.09	---	.0	4227.7	.0	6071.6
Cancer of Large Intestine	0	.01	---	.0	65005.1	.0	93357.9
Cancer of Bronchus, Trachea, Lung	0	.01	---	.0	27845.7	.0	39990.9
Cancer of Breast	0	.03	---	.0	14508.0	.0	20835.8
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.06	---	.0	5678.4	.0	8155.1
All External Causes of Death	0	.04	---	.0	9606.0	.0	13795.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: <10
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 36
PERSON YEARS: 302.9

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER

DSW 147198

STLCOPCB4039045

All Causes of Death	0	1.59	---	.0	231.6	.0	332.6
All Malignant Neoplasms	0	.28	---	.0	1340.5	.0	1925.2
Cancer of Large Intestine	0	.02	---	.0	22203.8	.0	31888.2
Cancer of Bronchus, Trachea, Lung	0	.08	---	.0	4459.0	.0	6403.9
Cancer of Breast	0	.02	---	.0	19560.0	.0	28091.3
Cancer of Prostate (Males only)	0	.00	---	.0	101206.2	.0	145348.5
All Heart Disease	0	.34	---	.0	1093.8	.0	1570.8
All External Causes of Death	0	.42	---	.0	888.7	.0	1276.4
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---

DSW 147199

STLCOPCB4039046

Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: <10

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 36
PERSON YEARS: 302.9

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.59	---	.0	231.6	.0	332.6
All Malignant Neoplasms	0	.28	---	.0	1340.5	.0	1925.2
Cancer of Large Intestine	0	.02	---	.0	22203.8	.0	31888.2
Cancer of Bronchus, Trachea, Lung	0	.08	---	.0	4459.0	.0	6403.9
Cancer of Breast	0	.02	---	.0	19560.0	.0	28091.3
Cancer of Prostate (Males only)	0	.00	---	.0	101206.2	.0	145348.5
All Heart Disease	0	.34	---	.0	1093.8	.0	1570.8
All External Causes of Death	0	.42	---	.0	888.7	.0	1276.4

DSW 147200

STLCOPCB4039047

Unknown Causes (In All Causes Category Only) 0

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 20
PERSON YEARS: 89.5

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	.74	135.7	3.4	756.1	.7	1008.2
All Malignant Neoplasms	0	.17	---	.0	2229.7	.0	3202.2
Cancer of Large Intestine	0	.01	---	.0	36573.4	.0	52525.3
Cancer of Bronchus, Trachea, Lung	0	.06	---	.0	6461.5	.0	9279.8
Cancer of Breast	0	.01	---	.0	53335.4	.0	76598.2
Cancer of Prostate (Males only)	0	.00	---	.0	84035.1	.0	120688.0
All Heart Disease	0	.19	---	.0	1902.3	.0	2732.1
All External Causes of Death	1	.11	883.7	22.1	4923.8	4.4	6565.7

Unknown Causes (In All Causes Category Only) 0

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

DSW 147201

STLCOPCB4039048

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 7
PERSON YEARS: 54.6

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.37	---	.0	269.9	.0	387.6
All Malignant Neoplasms	0	.39	---	.0	943.0	.0	1354.3
Cancer of Large Intestine	0	.03	---	.0	13523.7	.0	19422.2
Cancer of Bronchus, Trachea, Lung	0	.15	---	.0	2541.3	.0	3649.7
Cancer of Breast	0	.00	---	.0	914515.3	.0	1313392.0
Cancer of Prostate (Males only)	0	.04	---	.0	8583.4	.0	12327.2
All Heart Disease	0	.46	---	.0	805.7	.0	1157.2
All External Causes of Death	0	.08	---	.0	4578.2	.0	6575.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+
LATENCY: TOTAL

SUBGROUP DATA

DSW 147202

STLCOPCB4039049

NUMBER AT RISK: 23
PERSON YEARS: 144.1

TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	2.10	47.5	1.2	264.9	.2	353.2
All Malignant Neoplasms	0	.56	---	.0	662.7	.0	951.8
Cancer of Large Intestine	0	.04	---	.0	9873.0	.0	14179.2
Cancer of Bronchus, Trachea, Lung	0	.20	---	.0	1823.9	.0	2619.5
Cancer of Breast	0	.01	---	.0	50396.2	.0	72377.1
Cancer of Prostate (Males only)	0	.05	---	.0	7788.0	.0	11184.8
All Heart Disease	0	.65	---	.0	566.0	.0	812.9
All External Causes of Death	1	.19	516.2	12.9	2876.0	2.6	3835.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

NUMBER AT RISK: 40
PERSON YEARS: 392.4

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147203

STLCOPCB4039050

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	2.33	42.9	1.1	239.1	.2	318.9
All Malignant Neoplasms	0	.44	---	.0	837.2	.0	1202.3
Cancer of Large Intestine	0	.03	---	.0	13816.0	.0	19842.1
Cancer of Bronchus, Trachea, Lung	0	.14	---	.0	2638.3	.0	3789.1
Cancer of Breast	0	.03	---	.0	14311.4	.0	20553.6
Cancer of Prostate (Males only)	0	.01	---	.0	45912.4	.0	65937.6
All Heart Disease	0	.53	---	.0	694.5	.0	997.4
All External Causes of Death	1	.53	189.3	4.7	1054.8	.9	1406.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 7
PERSON YEARS: 54.6

POPULATION SUBGROUP
RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	1.37	---	.0	269.9	.0	387.6

DSW 147204

STLCOPCB4039051

All Malignant Neoplasms	0	.39	---	.0	943.0	.0	1354.3
Cancer of Large Intestine	0	.03	---	.0	13523.7	.0	19422.2
Cancer of Bronchus, Trachea, Lung	0	.15	---	.0	2541.3	.0	3649.7
Cancer of Breast	0	.00	---	.0	914515.3	.0	1313392.0
Cancer of Prostate (Males only)	0	.04	---	.0	8583.4	.0	12327.2
All Heart Disease	0	.46	---	.0	805.7	.0	1157.2
All External Causes of Death	0	.08	---	.0	4578.2	.0	6575.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

SUBGROUP DATA

NUMBER AT RISK: 43
PERSON YEARS: 447.1

POPULATION SUBGROUP

RACE: NONWHITE
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	1	3.70	27.1	.7	150.7	.1	201.0
All Malignant Neoplasms	0	.83	---	.0	443.5	.0	636.9
Cancer of Large Intestine	0	.05	---	.0	6834.1	.0	9814.9
Cancer of Bronchus, Trachea, Lung	0	.28	---	.0	1294.5	.0	1859.0
Cancer of Breast	0	.03	---	.0	14090.9	.0	20236.9

DSW 147205

STLCOPCB4039052

Cancer of Prostate (Males only)	0	.05	---	.0	7231.5	.0	10385.6
All Heart Disease	0	.99	---	.0	373.0	.0	535.7
All External Causes of Death	1	.61	164.2	4.1	915.2	.8	1220.4
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: <10
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 90
PERSON YEARS: 797.7

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	2.65	---	.0	139.0	.0	199.6
All Malignant Neoplasms	0	.40	---	.0	919.8	.0	1320.9
Cancer of Large Intestine	0	.03	---	.0	14356.1	.0	20617.7
Cancer of Bronchus, Trachea, Lung	0	.12	---	.0	3007.7	.0	4319.6
Cancer of Breast	0	.00	---	.0	826263.8	.0	1186648.0
Cancer of Prostate (Males only)	0	.01	---	.0	66779.4	.0	95906.0
All Heart Disease	0	.52	---	.0	714.5	.0	1026.2
All External Causes of Death	0	.97	---	.0	379.3	.0	544.8
Unknown Causes (In All Causes Category Only)	0						

DSW 147206

STLCOPCB4039053

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance

POPULATION SUBGROUP

DSW 147207

STLCOPCB4039054

POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: <10

SUBGROUP DATA

NUMBER AT RISK: 90
PERSON YEARS: 797.7

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	2.65	---	.0	139.0	.0	199.6
All Malignant Neoplasms	0	.40	---	.0	919.8	.0	1320.9
Cancer of Large Intestine	0	.03	---	.0	14356.1	.0	20617.7
Cancer of Bronchus, Trachea, Lung	0	.12	---	.0	3007.7	.0	4319.6
Cancer of Breast	0	.00	---	.0	826263.8	.0	1186648.0
Cancer of Prostate (Males only)	0	.01	---	.0	66779.4	.0	95906.0
All Heart Disease	0	.52	---	.0	714.5	.0	1026.2
All External Causes of Death	0	.97	---	.0	379.3	.0	544.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

POPULATION SUBGROUP

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: 10+

SUBGROUP DATA

NUMBER AT RISK: 114

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

DSW 147208

STLCOPCB4039055

PERSON YEARS: 568.3

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	2.55	39.2	1.0	218.3	.2	291.1
All Malignant Neoplasms	0	.55	---	.0	675.0	.0	969.4
Cancer of Large Intestine	0	.04	---	.0	9469.8	.0	13600.1
Cancer of Bronchus, Trachea, Lung	0	.19	---	.0	1905.7	.0	2736.9
Cancer of Breast	0	.00	---	.0	590525.8	.0	848090.4
Cancer of Prostate (Males only)	0	.01	---	.0	39522.9	.0	56761.3
All Heart Disease	0	.76	---	.0	485.7	.0	697.6
All External Causes of Death	1	.54	184.1	4.6	1025.8	.9	1367.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 110
PERSON YEARS: 791.3

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CONFIDENCE INTERVALS

DSW 147209

STLCOPCB4039056

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	9.86	60.8	22.3	132.4	15.6	158.8
All Malignant Neoplasms	3	2.86	105.0	21.7	306.8	11.8	384.1
Cancer of Large Intestine	1	.24	423.9	10.6	2361.9	2.1	3149.5
Cancer of Bronchus, Trachea, Lung	1	1.13	88.1	2.2	491.0	.4	654.7
Cancer of Breast	0	.00	---	.0	115100.2	.0	165302.5
Cancer of Prostate (Males only)	0	.15	---	.0	2403.0	.0	3451.1
All Heart Disease	2	3.73	53.7	6.5	193.9	2.8	248.9
All External Causes of Death	0	.71	---	.0	517.0	.0	742.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: 10+
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 149
PERSON YEARS: 1359.6

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	CONFIDENCE INTERVALS 95% LIMITS UPPER	CONFIDENCE INTERVALS 99% LIMITS LOWER	CONFIDENCE INTERVALS 99% LIMITS UPPER
All Causes of Death	7	12.42	56.4	22.7	116.2	16.4	138.0

DSW 147210

STLCOPCB4039057

All Malignant Neoplasms	3	3.40	88.1	18.2	257.5	9.9	322.5
Cancer of Large Intestine	1	.27	363.8	9.1	2027.1	1.8	2703.1
Cancer of Bronchus, Trachea, Lung	1	1.33	75.3	1.9	419.5	.4	559.3
Cancer of Breast	0	.00	---	.0	96325.3	.0	138338.7
Cancer of Prostate (Males only)	0	.16	---	.0	2265.3	.0	3253.3
All Heart Disease	2	4.49	44.6	5.4	161.1	2.3	206.8
All External Causes of Death	1	1.26	79.6	2.0	443.4	.4	591.2
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 165
PERSON YEARS: 1365.9

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	1	5.21	19.2	.5	107.0	.1	142.7
All Malignant Neoplasms	0	.95	---	.0	389.3	.0	559.1
Cancer of Large Intestine	0	.06	---	.0	5705.9	.0	8194.6
Cancer of Bronchus, Trachea, Lung	0	.32	---	.0	1166.6	.0	1675.4
Cancer of Breast	0	.00	---	.0	344391.3	.0	494601.6

DSW 147211

STLCOPCB4039058

Cancer of Prostate (Males only)	0	.01	---	.0	24828.4	.0	35657.6
All Heart Disease	0	1.28	---	.0	289.2	.0	415.3
All External Causes of Death	1	1.52	66.0	1.6	367.6	.3	490.2
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 110
PERSON YEARS: 791.3

POPULATION SUBGROUP

RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	6	9.86	60.8	22.3	132.4	15.6	158.8
All Malignant Neoplasms	3	2.86	105.0	21.7	306.8	11.8	384.1
Cancer of Large Intestine	1	.24	423.9	10.6	2361.9	2.1	3149.5
Cancer of Bronchus, Trachea, Lung	1	1.13	88.1	2.2	491.0	.4	654.7
Cancer of Breast	0	.00	---	.0	115100.2	.0	165302.5
Cancer of Prostate (Males only)	0	.15	---	.0	2403.0	.0	3451.1
All Heart Disease	2	3.73	53.7	6.5	193.9	2.8	248.9
All External Causes of Death	0	.71	---	.0	517.0	.0	742.5
Unknown Causes (In All Causes Category Only)	0						

DSW 147212

STLCOPCB4039059

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 200
PERSON YEARS: 2157.2

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	7	15.07	46.4 *	18.7	95.7	13.5	113.7
All Malignant Neoplasms	3	3.81	78.8	16.3	230.4	8.9	288.5
Cancer of Large Intestine	1	.30	332.7	8.3	1853.8	1.7	2472.0
Cancer of Bronchus, Trachea, Lung	1	1.45	68.9	1.7	384.0	.3	512.1
Cancer of Breast	0	.00	---	.0	86268.2	.0	123895.1
Cancer of Prostate (Males only)	0	.17	---	.0	2191.0	.0	3146.6
All Heart Disease	2	5.00	40.0	4.8	144.4	2.1	185.4
All External Causes of Death	1	2.23	44.9	1.1	250.0	.2	333.3
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site

POPULATION SUBGROUP
RACE: TOTAL

DSW 147213

STLCOPCB4039060

EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

SEX: FEMALE
CUMULATIVE EXPOSURE: <10

SUBGROUP DATA

NUMBER AT RISK: 27
PERSON YEARS: 249.2

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.55	---	.0	664.7	.0	954.7
All Malignant Neoplasms	0	.20	---	.0	1889.1	.0	2713.1
Cancer of Large Intestine	0	.01	---	.0	30333.5	.0	43563.8
Cancer of Bronchus, Trachea, Lung	0	.03	---	.0	11121.1	.0	15971.7
Cancer of Breast	0	.06	---	.0	6336.6	.0	9100.4
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.10	---	.0	3767.9	.0	5411.4
All External Causes of Death	0	.08	---	.0	4691.5	.0	6737.7
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

DSW 147214

STLCOPCB4039061

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: <10

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 27
PERSON YEARS: 249.2

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CONFIDENCE INTERVALS
95% LIMITS 99% LIMITS

DSW 147215

STLCOPCB4039062

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER 95%	UPPER 95%	LOWER 99%	UPPER 99%
All Causes of Death	0	.55	---	.0	664.7	.0	954.7
All Malignant Neoplasms	0	.20	---	.0	1889.1	.0	2713.1
Cancer of Large Intestine	0	.01	---	.0	30333.5	.0	43563.8
Cancer of Bronchus, Trachea, Lung	0	.03	---	.0	11121.1	.0	15971.7
Cancer of Breast	0	.06	---	.0	6336.6	.0	9100.4
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.10	---	.0	3767.9	.0	5411.4
All External Causes of Death	0	.08	---	.0	4691.5	.0	6737.7
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 7
PERSON YEARS: 25.4

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.09	---	.0	4328.7	.0	6216.7
All Malignant Neoplasms	0	.03	---	.0	13102.5	.0	18817.3

DSW 147216

STLCOPCB4039063

Cancer of Large Intestine	0	.00	---	.0	203126.2	.0	291722.0
Cancer of Bronchus, Trachea, Lung	0	.00	---	.0	81494.2	.0	117038.8
Cancer of Breast	0	.01	---	.0	41943.2	.0	60237.1
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.02	---	.0	21086.1	.0	30283.1
All External Causes of Death	0	.01	---	.0	45597.8	.0	65485.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---

DSW 147217

STLCOPCB4039064

All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: 10+
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 7
PERSON YEARS: 25.4

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

				CONFIDENCE INTERVALS			
				95% LIMITS		99% LIMITS	
CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	LOWER	UPPER	LOWER	UPPER
All Causes of Death	0	.09	---	.0	4328.7	.0	6216.7
All Malignant Neoplasms	0	.03	---	.0	13102.5	.0	18817.3
Cancer of Large Intestine	0	.00	---	.0	203126.2	.0	291722.0
Cancer of Bronchus, Trachea, Lung	0	.00	---	.0	81494.2	.0	117038.8
Cancer of Breast	0	.01	---	.0	41943.2	.0	60237.1
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.02	---	.0	21086.1	.0	30283.1
All External Causes of Death	0	.01	---	.0	45597.8	.0	65485.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147218

STLCOPCB4039065

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 27
PERSON YEARS: 274.6

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.64	---	.0	576.2	.0	827.6
All Malignant Neoplasms	0	.22	---	.0	1651.1	.0	2371.2
Cancer of Large Intestine	0	.01	---	.0	26392.3	.0	37903.6
Cancer of Bronchus, Trachea, Lung	0	.04	---	.0	9785.7	.0	14053.8
Cancer of Breast	0	.07	---	.0	5505.0	.0	7906.0
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.12	---	.0	3196.7	.0	4591.0
All External Causes of Death	0	.09	---	.0	4253.8	.0	6109.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL

DSW 147219

STLCOPCB4039066

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---
Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 27
PERSON YEARS: 274.6

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147220

STLCOPCB4039067

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.64	---	.0	576.2	.0	827.6
All Malignant Neoplasms	0	.22	---	.0	1651.1	.0	2371.2
Cancer of Large Intestine	0	.01	---	.0	26392.3	.0	37903.6
Cancer of Bronchus, Trachea, Lung	0	.04	---	.0	9785.7	.0	14053.8
Cancer of Breast	0	.07	---	.0	5505.0	.0	7906.0
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.12	---	.0	3196.7	.0	4591.0
All External Causes of Death	0	.09	---	.0	4253.8	.0	6109.1
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: <10
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 117
PERSON YEARS: 1046.9

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER

DSW 147221

STLCOPCB4039068

All Causes of Death	0	3.21	---	.0	115.0	.0	165.1
All Malignant Neoplasms	0	.60	---	.0	618.6	.0	888.4
Cancer of Large Intestine	0	.04	---	.0	9744.3	.0	13994.4
Cancer of Bronchus, Trachea, Lung	0	.16	---	.0	2367.4	.0	3400.0
Cancer of Breast	0	.06	---	.0	6288.4	.0	9031.2
Cancer of Prostate (Males only)	0	.01	---	.0	66779.4	.0	95906.0
All Heart Disease	0	.61	---	.0	600.6	.0	862.6
All External Causes of Death	0	1.05	---	.0	351.0	.0	504.0
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: <10

LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 0
PERSON YEARS: .0

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	.00	---	---	---	---	---
All Malignant Neoplasms	0	.00	---	---	---	---	---
Cancer of Large Intestine	0	.00	---	---	---	---	---
Cancer of Bronchus, Trachea, Lung	0	.00	---	---	---	---	---

DSW 147222

STLCOPCB4039069

Cancer of Breast	0	.00	---	---	---	---	---
Cancer of Prostate (Males only)	0	.00	---	---	---	---	---
All Heart Disease	0	.00	---	---	---	---	---
All External Causes of Death	0	.00	---	---	---	---	---
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: <10

LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA

NUMBER AT RISK: 117
PERSON YEARS: 1046.9

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	0	3.21	---	.0	115.0	.0	165.1
All Malignant Neoplasms	0	.60	---	.0	618.6	.0	888.4
Cancer of Large Intestine	0	.04	---	.0	9744.3	.0	13994.4
Cancer of Bronchus, Trachea, Lung	0	.16	---	.0	2367.4	.0	3400.0
Cancer of Breast	0	.06	---	.0	6288.4	.0	9031.2
Cancer of Prostate (Males only)	0	.01	---	.0	66779.4	.0	95906.0
All Heart Disease	0	.61	---	.0	600.6	.0	862.6
All External Causes of Death	0	1.05	---	.0	351.0	.0	504.0

DSW 147223

STLCOPCB4039070

Unknown Causes (In All Causes Category Only) 0

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+

LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 121
PERSON YEARS: 593.6

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	2.64	37.9	.9	211.3	.2	281.7
All Malignant Neoplasms	0	.57	---	.0	641.9	.0	921.9
Cancer of Large Intestine	0	.04	---	.0	9047.9	.0	12994.3
Cancer of Bronchus, Trachea, Lung	0	.20	---	.0	1862.2	.0	2674.4
Cancer of Breast	0	.01	---	.0	39161.6	.0	56242.4
Cancer of Prostate (Males only)	0	.01	---	.0	39522.9	.0	56761.3
All Heart Disease	0	.78	---	.0	474.8	.0	681.9
All External Causes of Death	1	.55	181.4	4.5	1010.7	.9	1347.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

DSW 147224

STLCOPCB4039071

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

SUBGROUP DATA
NUMBER AT RISK: 110
PERSON YEARS: 791.3

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	9.86	60.8	22.3	132.4	15.6	158.8
All Malignant Neoplasms	3	2.86	105.0	21.7	306.8	11.8	384.1
Cancer of Large Intestine	1	.24	423.9	10.6	2361.9	2.1	3149.5
Cancer of Bronchus, Trachea, Lung	1	1.13	88.1	2.2	491.0	.4	654.7
Cancer of Breast	0	.00	---	.0	115100.2	.0	165302.5
Cancer of Prostate (Males only)	0	.15	---	.0	2403.0	.0	3451.1
All Heart Disease	2	3.73	53.7	6.5	193.9	2.8	248.9
All External Causes of Death	0	.71	---	.0	517.0	.0	742.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: 10+
LATENCY: TOTAL

SUBGROUP DATA

DSW 147225

STLCOPCB4039072

NUMBER AT RISK: 156
PERSON YEARS: 1384.9

TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	7	12.50	56.0	22.5	115.4	16.3	137.1
All Malignant Neoplasms	3	3.43	87.4	18.0	255.4	9.8	319.8
Cancer of Large Intestine	1	.28	361.4	9.0	2013.8	1.8	2685.4
Cancer of Bronchus, Trachea, Lung	1	1.33	75.0	1.9	418.0	.4	557.4
Cancer of Breast	0	.01	---	.0	29219.9	.0	41964.5
Cancer of Prostate (Males only)	0	.16	---	.0	2265.3	.0	3253.3
All Heart Disease	2	4.50	44.4	5.4	160.4	2.3	205.9
All External Causes of Death	1	1.26	79.1	2.0	440.5	.4	587.4
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: <20
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

NUMBER AT RISK: 192
PERSON YEARS: 1640.5

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

DSW 147226

STLCOPCB4039073

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	1	5.85	17.1 *	.4	95.3	.1	127.1
All Malignant Neoplasms	0	1.17	---	.0	315.0	.0	452.4
Cancer of Large Intestine	0	.08	---	.0	4691.6	.0	6737.9
Cancer of Bronchus, Trachea, Lung	0	.35	---	.0	1042.3	.0	1496.9
Cancer of Breast	0	.07	---	.0	5418.3	.0	7781.6
Cancer of Prostate (Males only)	0	.01	---	.0	24828.4	.0	35657.6
All Heart Disease	0	1.39	---	.0	265.2	.0	380.8
All External Causes of Death	1	1.60	62.4	1.6	347.7	.3	463.7
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 110
PERSON YEARS: 791.3

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: 20+
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	6	9.86	60.8	22.3	132.4	15.6	158.8

DSW 147227

STLCOPCB4039074

All Malignant Neoplasms	3	2.86	105.0	21.7	306.8	11.8	384.1
Cancer of Large Intestine	1	.24	423.9	10.6	2361.9	2.1	3149.5
Cancer of Bronchus, Trachea, Lung	1	1.13	88.1	2.2	491.0	.4	654.7
Cancer of Breast	0	.00	---	.0	115100.2	.0	165302.5
Cancer of Prostate (Males only)	0	.15	---	.0	2403.0	.0	3451.1
All Heart Disease	2	3.73	53.7	6.5	193.9	2.8	248.9
All External Causes of Death	0	.71	---	.0	517.0	.0	742.5
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

9:45 5/15

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS
SUBGROUP DATA

NUMBER AT RISK: 227
PERSON YEARS: 2431.8

POPULATION SUBGROUP

RACE: TOTAL
SEX: TOTAL
CUMULATIVE EXPOSURE: TOTAL
LATENCY: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 4: CAUSE SPECIFIC SMR'S AND CONFIDENCE INTERVALS
****

CAUSE OF DEATH (ICDA 8TH REVISION CODES)	OBS	EXP	SMR	CONFIDENCE INTERVALS 95% LIMITS LOWER	95% LIMITS UPPER	99% LIMITS LOWER	99% LIMITS UPPER
All Causes of Death	7	15.71	44.6 *	17.9	91.8	13.0	109.1
All Malignant Neoplasms	3	4.03	74.5	15.4	217.6	8.4	272.5
Cancer of Large Intestine	1	.31	317.9	7.9	1771.5	1.6	2362.2
Cancer of Bronchus, Trachea, Lung	1	1.49	67.2	1.7	374.3	.3	499.1
Cancer of Breast	0	.07	---	.0	5174.7	.0	7431.8

DSW 147228

STLCOPCB4039075

Cancer of Prostate (Males only)	0	.17	---	.0	2191.0	.0	3146.6
All Heart Disease	2	5.12	39.1	4.7	141.2	2.0	181.2
All External Causes of Death	1	2.32	43.2	1.1	240.6	.2	320.8
Unknown Causes (In All Causes Category Only)	0						

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: MALE
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	0	0
	EXP	1.31	1.89	3.19
	SMR (SIG)	---	---	---
	AT RISK	64	99	135
	PERSON YRS	578.0	497.1	1075.1
20+	OBS	0	6	6
	EXP	.00	8.50	8.50
	SMR (SIG)	---	70.6	70.6
	AT RISK	0	103	103
	PERSON YRS	.0	736.7	736.7
TOTAL	OBS	0	6	6
	EXP	1.31	10.38	11.69
	SMR (SIG)	---	57.8	51.3
	AT RISK	64	131	167
	PERSON YRS	578.0	1233.8	1811.7

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147229

STLCOPCB4039076

	INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)
MINIMUM	21.69589	16.72827
MAXIMUM	48.45480	40.06845
MEAN	32.38402	27.07415

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: FEMALE
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	0	0
	EXP	.31	.01	.32
	SMR (SIG)	---	---	---
	AT RISK	17	2	17
	PERSON YRS	166.0	7.0	173.0
20+	OBS	0	0	0
	EXP	.00	.00	.00
	SMR (SIG)	---	---	---
	AT RISK	0	0	0
	PERSON YRS	.0	.0	.0
TOTAL	OBS	0	0	0
	EXP	.31	.01	.32
	SMR (SIG)	---	---	---
	AT RISK	17	2	17
	PERSON YRS	166.0	7.0	173.0

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

DSW 147230

	INTERVAL FROM ONSET	CUMULATIVE

STLCOPCB4039077

	OF EXPOSURE (DECEDENTS ONLY)	EXPOSURE (DECEDENTS ONLY)
MINIMUM	---	---
MAXIMUM	---	---
MEAN	---	---

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: WHITE
SEX: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	0	0
	EXP	1.62	1.90	3.52
	SMR (SIG)	---	---	---
	AT RISK	81	101	152
	PERSON YRS	744.0	504.1	1248.1
20+	OBS	0	6	6
	EXP	.00	8.50	8.50
	SMR (SIG)	---	70.6	70.6
	AT RISK	0	103	103
	PERSON YRS	.0	736.7	736.7
TOTAL	OBS	0	6	6
	EXP	1.62	10.40	12.01
	SMR (SIG)	---	57.7	49.9
	AT RISK	81	133	184
	PERSON YRS	744.0	1240.8	1984.7

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

INTERVAL FROM ONSET OF EXPOSURE — CUMULATIVE EXPOSURE

DSW 147231

STLCOPCB4039078

	(DECEDENTS ONLY)	(DECEDENTS ONLY)
MINIMUM	21.69589	16.72827
MAXIMUM	48.45480	40.06845
MEAN	32.38402	27.07415

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: MALE
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	1	1
	EXP	1.35	.67	2.01
	SMR (SIG)	---	150.3	49.7
	AT RISK	26	15	30
	PERSON YRS	219.7	71.2	290.9
20+	OBS	0	0	0
	EXP	.00	1.37	1.37
	SMR (SIG)	---	---	---
	AT RISK	0	7	7
	PERSON YRS	.0	54.6	54.6
TOTAL	OBS	0	1	1
	EXP	1.35	2.03	3.38
	SMR (SIG)	---	49.2	29.6
	AT RISK	26	18	33
	PERSON YRS	219.7	125.8	345.5

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)

DSW 147232

STLCOPCB4039079

MINIMUM	13.89589	12.75017
MAXIMUM	13.89589	12.75017
MEAN	13.89589	12.75017

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: NONWHITE
SEX: FEMALE
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	0	0
	EXP	.24	.07	.32
	SMR (SIG)	---	---	---
	AT RISK	10	5	10
	PERSON YRS	83.2	18.3	101.6
20+	OBS	0	0	0
	EXP	.00	.00	.00
	SMR (SIG)	---	---	---
	AT RISK	0	0	0
	PERSON YRS	.0	.0	.0
TOTAL	OBS	0	0	0
	EXP	.24	.07	.32
	SMR (SIG)	---	---	---
	AT RISK	10	5	10
	PERSON YRS	83.2	18.3	101.6

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)

DSW 147233

STLCOPCB4039080

MINIMUM	---	---
MAXIMUM	---	---
MEAN	---	---

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP

RACE: NONWHITE
SEX: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	1	1
	EXP	1.59	.74	2.33
	SMR (SIG)	---	135.7	42.9
	AT RISK	36	20	40
	PERSON YRS	302.9	89.5	392.4
20+	OBS	0	0	0
	EXP	.00	1.37	1.37
	SMR (SIG)	---	---	---
	AT RISK	0	7	7
	PERSON YRS	.0	54.6	54.6
TOTAL	OBS	0	1	1
	EXP	1.59	2.10	3.70
	SMR (SIG)	---	47.5	27.1
	AT RISK	36	23	43
	PERSON YRS	302.9	144.1	447.1

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

	INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)
MINIMUM	13.89589	12.75017

DSW 147234

STLCOPCB4039081

MAXIMUM	13.89589	12.75017
MEAN	13.89589	12.75017

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: MALE
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	1	1
	EXP	2.65	2.55	5.21
	SMR (SIG)	---	39.2	19.2
	AT RISK	90	114	165
	PERSON YRS	797.7	568.3	1365.9
20+	OBS	0	6	6
	EXP	.00	9.86	9.86
	SMR (SIG)	---	60.8	60.8
	AT RISK	0	110	110
	PERSON YRS	.0	791.3	791.3
TOTAL	OBS	0	7	7
	EXP	2.65	12.42	15.07
	SMR (SIG)	---	56.4	46.4 *
	AT RISK	90	149	200
	PERSON YRS	797.7	1359.6	2157.2

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

	INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)
MINIMUM	13.89589	12.75017
MAXIMUM	48.45480	40.06845

DSW 147235

STLCOPCB4039082

MEAN 29.74286 25.02787

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: FEMALE
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL
<20	OBS	0	0	0
	EXP	.55	.09	.64
	SMR (SIG)	---	---	---
	AT RISK	27	7	27
	PERSON YRS	249.2	25.4	274.6
20+	OBS	0	0	0
	EXP	.00	.00	.00
	SMR (SIG)	---	---	---
	AT RISK	0	0	0
	PERSON YRS	.0	.0	.0
TOTAL	OBS	0	0	0
	EXP	.55	.09	.64
	SMR (SIG)	---	---	---
	AT RISK	27	7	27
	PERSON YRS	249.2	25.4	274.6

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

	INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)
MINIMUM	---	---
MAXIMUM	---	---
MEAN	---	---

DSW 147236

STLCOPCB4039083

OCMAP PC: OCCUPATIONAL COHORT MORTALITY ANALYSIS PROGRAM 9:45 5/15
MODULE 1: STANDARDIZED MORTALITY RATIO ANALYSIS, VERSION 2.1

PROJECT TITLE: Monsanto Mortality Sureveillance
POPULATION SELECTED: MARS Hourly Population Working between 1979 and 1989 at Anniston Site
EXPECTED NUMBERS BASED ON: U.S. Population 1979-1987
CUMULATIVE EXPOSURE UNITS: Cumulative Exposure Units = YEARS

POPULATION SUBGROUP
RACE: TOTAL
SEX: TOTAL
TIME PERIOD: TOTAL
AGE GROUP: TOTAL

****
TABLE TYPE 5: MORTALITY BY CUMULATIVE EXPOSURE AND LATENCY
****

CAUSE OF DEATH: All Causes of Death

LATENCY		CUMULATIVE-EXPOSURE <10	10+	TOTAL	
<20	OBS	0	1	1	
	EXP	3.21	2.64	5.85	
	SMR (SIG)	---	37.9	17.1	*
	AT RISK	117	121	192	
	PERSON YRS	1046.9	593.6	1640.5	
20+	OBS	0	6	6	
	EXP	.00	9.86	9.86	
	SMR (SIG)	---	60.8	60.8	
	AT RISK	0	110	110	
	PERSON YRS	.0	791.3	791.3	
TOTAL	OBS	0	7	7	
	EXP	3.21	12.50	15.71	
	SMR (SIG)	---	56.0	44.6	*
	AT RISK	117	156	227	
	PERSON YRS	1046.9	1384.9	2431.8	

* SIGNIFICANT AT 5% LEVEL; ** SIGNIFICANT AT 1% LEVEL

	INTERVAL FROM ONSET OF EXPOSURE (DECEDENTS ONLY)	CUMULATIVE EXPOSURE (DECEDENTS ONLY)
MINIMUM	13.89589	12.75017
MAXIMUM	48.45480	40.06845
MEAN	29.74286	25.02787

DSW 147237

STLCOPCB4039084