

Herbicide Evaluation Trials - 1991

C.H. Slack and W.W. Witt



University of Kentucky • College of Agriculture • Department of Agronomy • Lexington

(Not for Publication)

ACKNOWLEDGEMENTS

Special assistance in preparing this publication was provided by the following individuals:

James R. Martin, Extension Weed Control Specialist, who aided in conducting experiments at Princeton and farmer locations in western Kentucky.

Randy Wells and **Mark Cole**, technicians, who aided greatly in plot establishment, field day, data collection and plot harvest, as well as the day-to-day operation of the project.

Roger Baerg, **Robert Baker**, **Laura Boldt**, **Troy Klingaman** and **Brent Jacobson**, graduate research assistants, who made significant contributions in conducting herbicide trials and special projects.

Thanks to **Mr. John H. Byars** of the Agricultural Data Center and **Mr. Tom Shearin** for their assistance in developing computer programs to computerize and summarize the results of our tests.

A special thanks to **Ms. Betty J. Ham**, Publications Production Manager, and her group for the many hours of hard work involved in the quick printing of this report and to **Dr. Deborah B. Witham** for editing.

CONTENTS

I. EXPERIMENTAL TECHNIQUES	1
II. ABBREVIATIONS USED IN REPORT HEADINGS	
A. Weed Species	2
B. Miscellaneous	2
C. Growth Stages	2
1. Corn	
D. Application Times	3
III. CLIMATOLOGICAL DATA	
A. Spindletop	4
B. Princeton	10
IV. HERBICIDES IN REPORT	16
V. CORN WEED CONTROL – LEXINGTON	
A. Control of Grass and Broadleaf Species	
1. Preemergence.(C1001)	19
2. Preemergence II – First Evaluation (C1010)	21
3. Preemergence II – Second Evaluation (C1010)	22
4. Preemergence III – First Evaluation (C1011)	23
5. Preemergence III – Second Evaluation (C1011)	24
6. Preplant Incorporated (C1002)	25
7. Preplant and Postemergence – First Evaluation (C1016)	27
8. Preplant and Postemergence – Second Evaluation (C1016)	29
9. Postemergence – First Evaluation (C1003)	31
10. Postemergence – Second Evaluation (C1003)	36
11. Postemergence III – First Evaluation (C1020)	41
12. Postemergence III – Second Evaluation (C1020)	44
12. Postemergence IV – First Evaluation (C1021)	47
13. Postemergence IV – Second Evaluation (C1021)	49
14. No-till Stalkland (C1004)	51
15. No-till Stalkland II (C1005)	57
16. No-till Early Preplant – First Evaluation (C1006)	59
17. No-till Early Preplant – Second Evaluation (C1006)	62
18. Corn Johnsongrass Preplant And Postemergence (C1014)	65
19. Corn Insecticide Interaction (C1007)	70
20. Corn Weed Control in Different Tillages (C1013)	73
VI. SOYBEAN WEED CONTROL – LEXINGTON	
A. Control of Grasses and Broadleaf Species	
21. Preemergence (S1011)	78
22. Preplant Incorporated (S1013)	80
23. Preplant Incorporated II (S1015)	84
24. Postemergence – First Evaluation (S1014)	85
25. Postemergence – Second Evaluation (S1014)	91
26. Postemergence – Third Evaluation (S1014)	97
27. Postemergence II – First Evaluation (S1027)	103
28. Postemergence II – Second Evaluation (S1027)	110
29. Postemergence III (S1033)	118
30. Postemergence IV (S1022)	120
31. Postemergence V (S1023)	124

32. Postemergence VI (S1034)	129
33. Velvetleaf Control (S1030)	131
34. No-till Early Preplant – First Evaluation (S1017)	135
35. No-till Early Preplant – Second Evaluation (S1017)	139
36. Minimum Till Early Preplant – First Evaluation (S1018)	143
37. Minimum Till Early Preplant – Second Evaluation (S1018)	147
38. No-till Full Season – First Evaluation (S1035)	151
39. No-till Full Season – Second Evaluation (S1035)	155
40. No-till Full Season – Third Evaluation (S1035)	159
41. No-till Full Season – Fourth Evaluation (S1035)	163
42. Minimum Till Full Season – First Evaluation (S1036)	167
43. Minimum Till Full Season – Second Evaluation (S1036)	171
44. Minimum Till Full Season – Third Evaluation (S1036)	175
45. Minimum Till Full Season – Fourth Evaluation (S1036)	179
46. No-till Double Crop – First Evaluation (S1016)	183
47. No-till Double Crop – Second Evaluation (S1016)	187
VII. CORN WEED CONTROL – PRINCETON	
48. Preplant and Postemergence (C1116)	191
A. Specific Weed Species	
49. Johnsongrass Control in Corn (C1140)	193
50. Johnsongrass Control in Corn (C1141)	195
51. Corn Johnsongrass Pre, PPI, and Postemergence (C1143)	197
52. Corn Johnsongrass Postemergence (C1145)	200
VIII. SOYBEAN WEED CONTROL – PRINCETON	
53. No-till Early Preplant (S1117)	203
A. Specific Weed Species	
54. Johnsongrass Postemergence (S1103)	206
55. Velvetleaf Control (S1112)	210
56. Morningglory Control (S1114)	215
IX. MISCELLANEOUS WEED CONTROL – PRINCETON	
57. Johnsongrass Postemergence (C1147)	220
X. BURLEY TOBACCO WEED CONTROL – LEXINGTON	
58. Burley Tobacco (T1025)	221
59. Burley Tobacco II (T1026)	223

I. EXPERIMENTAL TECHNIQUES

DESIGN: All treatments within an experiment were in a randomized complete block design with three or four replications per treatment. Each treated plot was two rows wide by twenty-five to forty feet long, depending on the experiment. An untreated row separated each plot except in the no-tillage studies.

APPLICATION: All treatments were applied with a hand-held boom sprayer pressurized by CO₂. Unless indicated otherwise, all treatments were applied at 25 GPA. Plots were incorporated with a field cultivator at both the Lexington and Princeton locations.

EVALUATION: Weed control was evaluated on a 0 to 100 scale with 0 representing no control and 100 representing total control. Crop injury was also based on a 0 to 100 scale with 0 representing no injury and 100 representing crop death.

CULTIVATION: Plots were not cultivated except where indicated.

**SPECIFIC
EXPERIMENTAL
INFORMATION:**

The following items are found at the end of each summary:
(A) location, (B) fertilization, (C) soil type, (D) pH, (E) organic matter, (F) treatment date(s), (G) hybrid or cultivar, (H) planting dates, (I) crop and/or weed growth stage for postemergence application.

II. ABBREVIATIONS

A. Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
ACCOS	Hophornbeam Copperleaf	<i>Acalypha ostryifolia</i>
AMACH	Smooth Pigweed	<i>Amaranthus hybridus</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DATST	Jimsonweed	<i>Datura stramonium</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
ERICA	Horseweed	<i>Conyza canadensis</i>
HELAN	Common Sunflower	<i>Helianthus annuus</i>
IPOHE	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
IPOLA	Pitted Morningglory	<i>Ipomoea lacunosa</i>
LACSE	Prickly Lettuce	<i>Lactuca serriola</i>
PHBPU	Tall Morningglory	<i>Ipomoea purpurea</i>
PHYHE	Clammy Groundcherry	<i>Physalis heterophylla</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pennsylvanicum</i>
SAZCY	Climbing Milkweed	<i>Sarcostemma cyanachoides</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SIDSP	Prickly Sida	<i>Sida spinosa</i>
SOLCA	Horsenettle	<i>Solanum carolinense</i>
SOLPT	Eastern Black Nightshade	<i>Solanum ptycanthum</i>
SORHA	Johnsongrass	<i>Sorghum halepense</i>
XANST	Common cocklebur	<i>Xanthium pensylvanicum</i>

B. Miscellaneous

BBBBB	All Broadleaf Species
GGGGG	All Grass Species
CRIN	Crop Injury

C. Crop Growth Stages at Application

1. Corn
 - 4LF - Four fully developed leaves formed
 - 6LF - Six fully developed leaves formed

II. ABBREVIATIONS

D. Herbicide Application Times in Reference to Crop or Weed

1. PPI — PREPLANT INCORPORATED
2. PRE — PREEMERGENCE
3. EPP — EARLY PREPLANT; 3-4 WEEKS BEFORE PLANTING
4. POE — POSTEMERGENCE
5. EP — EARLY POSTEMERGENCE; WEEDS < 2"
6. LEP — LATE EARLY POSTEMERGENCE; WEEDS 2-3"
7. MP — MID-POSTEMERGENCE; WEEDS 2-4"
8. LP — LATE POSTEMERGENCE; WEEDS 4-6"
9. POD — POSTEMERGENCE DIRECTED
10. POT — POST TRANSPLANT APPLICATION
11. PO1 — POST TRANSPLANT APPLICATION
12. REG — TREATMENT APPLIED TO REGROWTH AFTER INITIAL APPLICATION
13. 3LF — THREE LEAF STAGE OF WEED SPECIES
14. 5LF — FIVE LEAF STAGE OF WEED SPECIES
15. 7LF — SEVEN LEAF STAGE OF WEED SPECIES
16. +1D — SEQUENTIAL TREATMENT APPLIED 1 DAY AFTER FIRST APPLICATION
17. +7D — SEQUENTIAL TREATMENT APPLIED 7 DAYS AFTER FIRST APPLICATION
18. +14 — SEQUENTIAL TREATMENT APPLIED 14 DAYS AFTER FIRST APPLICATION
19. +21 — SEQUENTIAL TREATMENT APPLIED 21 DAYS AFTER FIRST APPLICATION
20. 14D — SEQUENTIAL TREATMENT APPLIED 14 DAYS AFTER PLANTING
21. 21D — SEQUENTIAL TREATMENT APPLIED 21 DAYS AFTER PLANTING
22. +3W — TREATMENT APPLIED THREE WEEKS AFTER FIRST APPLICATION OR PLANTING
23. +4W — TREATMENT APPLIED FOUR WEEKS AFTER FIRST APPLICATION OR PLANTING
24. +5W — TREATMENT APPLIED FIVE WEEKS AFTER FIRST APPLICATION OR PLANTING
25. +6W — TREATMENT APPLIED SIX WEEKS AFTER FIRST APPLICATION OR PLANTING
26. 2WP — TREATMENT APPLIED TWO WEEKS PRIOR TO PLANTING
27. 3WP — TREATMENT APPLIED THREE WEEKS AFTER PLANTING
28. 4WP — EPP — TREATMENT APPLIED FOUR WEEKS PRIOR TO PLANTING
JOHNSONGRASS — TREATMENT APPLIED FOUR WEEKS AFTER PLANTING
29. 5WP — TREATMENT APPLIED FIVE WEEKS AFTER PLANTING
30. 6WP — TREATMENT APPLIED SIX WEEKS AFTER PLANTING
31. 3"G — TREATMENT APPLIED TO THREE INCH GRASS
32. 6"G — TREATMENT APPLIED TO SIX INCH GRASS
33. 9"G — TREATMENT APPLIED TO NINE INCH GRASS
34. 12"G — TREATMENT APPLIED TO TWELVE INCH GRASS
35. 8J — TREATMENT APPLIED TO EIGHT INCH JOHNSONGRASS
36. 10J — TREATMENT APPLIED TO TEN INCH JOHNSONGRASS
37. 12J — TREATMENT APPLIED TO TWELVE INCH JOHNSONGRASS
38. 18J — TREATMENT APPLIED TO EIGHTEEN INCH JOHNSONGRASS
39. 24J — TREATMENT APPLIED TO TWENTY-FOUR INCH JOHNSONGRASS
40. INF — INSECTICIDE TREATMENT APPLIED IN FURROW
41. TBN — T-BANDED INSECTICIDE TREATMENT

III. A. April Climatological Data, Spindletop

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP				EVAP
		MAX	MIN		MAX	MIN	GRASS		BARE		
-----	-----	---	---	-----	---	---	---	---	---	---	---
Spindletop	04-01-91	57	43	.00	57	23	48	46	52	40	.30
Spindletop	04-02-91	69	35	.00	75	25	49	46	56	35	.01
Spindletop	04-03-91	69	35	.00	63	33	50	47	58	38	.14
Spindletop	04-04-91	67	52	.04	92	47	50	49	57	44	.08
Spindletop	04-05-91	70	55	.29	95	48	54	50	64	51	.11
Spindletop	04-06-91	77	54	.00	92	36	55	53	66	48	.16
Spindletop	04-07-91	78	59	.00	79	50	57	53	68	54	.18
Spindletop	04-08-91	75	60	.13	94	60	59	58	68	57	.16
Spindletop	04-09-91	77	60	.18	97	62	60	58	70	58	.23
Spindletop	04-10-91	63	51	-1.00	90	52	60	56	64	48	.15
Spindletop	04-11-91	61	36	.00	97	38	58	53	60	40	.22
Spindletop	04-12-91	61	52	.38	98	43	55	54	58	44	.20
Spindletop	04-13-91	70	60	.57	99	70	55	53	61	49	.12
Spindletop	04-14-91	74	63	.02	95	58	58	55	66	56	.16
Spindletop	04-15-91	70	60	.78	98	36	60	57	68	58	.26
Spindletop	04-16-91	76	45	-1.00	97	30	59	56	68	48	.19
Spindletop	04-17-91 E	79	55	.00	66	36	65	57	70	55	.21
Spindletop	04-18-91 E	70	49	.00	92	53	64	59	68	57	.17
Spindletop	04-19-91	65	53	.24	98	77	62	59	64	57	.09
Spindletop	04-20-91 E	51	46	-1.00	94	73	59	54	55	50	.07
Spindletop	04-21-91	48	39	-1.00	98	72	55	52	52	46	.06
Spindletop	04-22-91	60	49	.00	83	35	54	51	60	43	.18
Spindletop	04-23-91	63	44	.23	85	46	57	52	60	52	.15
Spindletop	04-24-91	62	39	.08	98	42	59	52	65	50	.15
Spindletop	04-25-91	65	38	.00	97	50	58	52	62	51	.15
Spindletop	04-26-91	78	52	.00	82	52	63	55	70	53	.17
Spindletop	04-27-91	74	61	.00	90	68	63	59	67	57	.16
Spindletop	04-28-91	71	58	.04	96	71	64	60	68	59	.14
Spindletop	04-29-91	73	67	.11	96	53	61	60	68	60	.16
Spindletop	04-30-91	75	60	.00	87	28	62	60	75	50	.18

Summarized data from 04-01-91 to 04-30-91 follows:

STATION		AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP				TOTAL EVAP
		MAX	MIN		MAX	MIN	GRASS		BARE		
-----	-----	---	---	-----	---	---	---	---	---	---	---
Spindletop	E	68	51	3.09	89	49	58	54	64	50	4.71

E indicates estimated data by NWS.

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. A. May Climatological Data, Spindletop

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP				EVAP	
		MAX	MIN		MAX	MIN	GRASS		BARE			
-----	-----	---	---	-----	---	---	---	---	---	---	---	-----
Spindletop	05-01-91	72	56	.12	87	44	63	60	69	54	.16	
Spindletop	05-02-91	71	53	.00	80	28	60	57	70	49	.20	
Spindletop	05-03-91	73	48	.00	75	41	60	57	73	52	.12	
Spindletop	05-04-91	77	62	.21	90	54	62	58	75	56	.15	
Spindletop	05-05-91	74	61	.19	90	64	63	59	74	60	.15	
Spindletop	05-06-91	68	46	.01	86	50	62	60	66	55	.16	
Spindletop	05-07-91	73	39	.00	89	34	61	56	73	46	.15	
Spindletop	05-08-91	78	51	.00	89	42	60	57	74	53	.15	
Spindletop	05-09-91	65	56	.94	100	83	60	60	74	59	.13	
Spindletop	05-10-91	82	59	.01	99	61	63	60	76	60	.06	
Spindletop	05-11-91	82	60	.04	100	62	67	62	78	62	.15	
Spindletop	05-12-91	83	63	.03	87	52	71	65	82	65	.19	
Spindletop	05-13-91	81	59	.51	99	62	72	67	80	64	.19	
Spindletop	05-14-91	83	62	-1.00	98	63	70	68	76	64	.08	
Spindletop	05-15-91	87	56	.00	99	41	74	67	83	62	.23	
Spindletop	05-16-91	87	65	.00	94	48	73	70	80	65	.25	
Spindletop	05-17-91	86	67	.79	100	56	74	70	82	67	.30	
Spindletop	05-18-91	85	64	.68	98	71	75	72	82	66	.20	
Spindletop	05-19-91	78	63	.03	98	76	72	69	74	64	.08	
Spindletop	05-20-91	75	60	-1.00	97	72	71	68	73	68	.09	
Spindletop	05-21-91	80	58	.00	91	75	70	69	78	62	.15	
Spindletop	05-22-91	81	67	.18	94	64	73	70	77	67	.11	
Spindletop	05-23-91	81	67	1.56	100	73	73	70	76	64	.12	
Spindletop	05-24-91	86	65	.01	98	54	73	70	82	66	.14	
Spindletop	05-25-91	87	69	.00	89	56	75	73	82	68	.26	
Spindletop	05-26-91	82	70	.00	96	71	75	72	79	70	.15	
Spindletop	05-27-91	81	69	.44	98	78	74	73	78	70	.08	
Spindletop	05-28-91	86	63	.01	98	56	75	72	85	66	.18	
Spindletop	05-29-91	86	63	.58	98	77	76	73	84	68	.25	
Spindletop	05-30-91	88	71	-1.00	95	59	76	74	84	70	.27	
Spindletop	05-31-91	89	70	.09	96	58	78	75	86	70	.03	

Summarized data from 05-01-91 to 05-31-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP GRASS		BARE		TOTAL EVAP
	MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN	
-----	---	---	-----	---	---	---	---	---	---	-----
Spindletop	80	61	6.43	94	59	69	66	78	62	4.93

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. A. June Climatological Data, Spindletop

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP		EVAP		
		MAX	MIN		MAX	MIN	GRASS	BARE			
		MAX	MIN		MAX	MIN	MAX	MIN			
Spindletop	06-01-91	88	68	.00	99	60	78	75	85	70	.32
Spindletop	06-02-91	88	64	.45	100	62	80	75	85	69	.33
Spindletop	06-03-91	86	66	.74	97	65	80	75	84	69	.23
Spindletop	06-04-91	82	65	-1.00	96	65	78	76	80	68	.24
Spindletop	06-05-91	75	52	.00	98	43	78	73	80	68	.21
Spindletop	06-06-91	76	51	.00	98	44	75	71	79	60	.24
Spindletop	06-07-91	80	54	.00	100	37	76	70	84	60	.21
Spindletop	06-08-91	82	52	.00	100	34	75	70	86	62	.24
Spindletop	06-09-91	84	53	.00	100	37	76	71	88	63	.24
Spindletop	06-10-91	85	62	.00	100	42	76	72	89	66	.23
Spindletop	06-11-91	81	71	.00	85	55	76	74	86	70	.16
Spindletop	06-12-91	85	68	.00	97	52	76	72	89	70	.24
Spindletop	06-13-91	90	62	.00	98	37	79	73	94	71	.30
Spindletop	06-14-91	88	63	.00	96	53	79	75	93	71	.35
Spindletop	06-15-91	88	76	.00	96	58	78	75	86	75	.17
Spindletop	06-16-91	86	69	.28	100	58	78	75	88	74	.30
Spindletop	06-17-91	76	68	.77	100	81	78	75	82	72	.11
Spindletop	06-18-91	83	66	.24	100	69	76	74	77	68	.06
Spindletop	06-19-91	84	64	-1.00	100	60	77	74	84	69	.24
Spindletop	06-20-91	88	65	.00	100	60	80	75	84	70	.27
Spindletop	06-21-91	86	64	.12	100	55	80	76	85	70	.16
Spindletop	06-22-91	82	62	.04	100	69	78	75	81	68	.15
Spindletop	06-23-91	80	62	.00	100	70	77	75	82	68	.23
Spindletop	06-24-91	86	61	.00	100	59	78	73	86	77	.21
Spindletop	06-25-91 E	82	67	.00	96	48	75	74	86	77	.20
Spindletop	06-26-91 E	85	63	.00	96	53	81	74	91	71	.20
Spindletop	06-27-91 E	85	64	.00	93	59	82	75	92	72	.21
Spindletop	06-28-91	88	63	.00	97	51	82	74	90	70	.25
Spindletop	06-29-91	89	65	-1.00	98	41	80	75	92	72	.19
Spindletop	06-30-91	88	66	.00	98	49	81	76	90	73	.18

Summarized data from 06-01-91 to 06-30-91 follows:

STATION		AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP		TOTAL EVAP		
		MAX	MIN		MAX	MIN	GRASS	BARE			
		MAX	MIN		MAX	MIN	MAX	MIN			
Spindletop	E	84	63	2.64	98	54	78	74	86	69	6.67

E indicates estimated data by NWS.

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. A. July Climatological Data, Spindletop

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP				EVAP	
		MAX	MIN		MAX	MIN	GRASS		BARE			
-----	-----	---	---	-----	---	---	---	---	---	---	---	---
Spindletop	07-01-91	92	68	.00	98	56	81	77	90	74	.23	
Spindletop	07-02-91	93	74	-1.00	95	48	89	77	97	77	.36	
Spindletop	07-03-91	84	70	.00	98	65	82	70	92	76	.13	
Spindletop	07-04-91	80	69	.07	100	67	84	77	85	76	.29	
Spindletop	07-05-91	89	64	.00	100	36	80	75	92	72	.31	
Spindletop	07-06-91	91	70	.00	90	46	82	75	92	75	.30	
Spindletop	07-07-91	91	72	.00	95	68	80	75	94	72	.22	
Spindletop	07-08-91	92	66	3.69	100	70	83	75	98	70	.12	
Spindletop	07-09-91	85	63	-1.00	98	55	78	72	84	68	.12	
Spindletop	07-10-91	83	65	1.46	100	71	79	75	83	70	.14	
Spindletop	07-11-91	84	67	.02	100	60	79	76	82	70	.16	
Spindletop	07-12-91	87	70	.35	100	67	78	76	83	69	.18	
Spindletop	07-13-91	87	70	.12	100	52	79	75	84	70	.18	
Spindletop	07-14-91	82	61	-1.00	98	47	80	76	80	68	.20	
Spindletop	07-15-91	85	57	.00	98	45	80	75	86	65	.17	
Spindletop	07-16-91	87	62	.00	90	45	80	75	91	66	.30	
Spindletop	07-17-91	88	61	.00	98	42	81	76	92	70	.29	
Spindletop	07-18-91	88	67	.05	97	58	81	77	88	72	.10	
Spindletop	07-19-91	89	68	.00	98	55	82	78	90	72	.26	
Spindletop	07-20-91	91	70	.00	97	51	83	79	94	74	.36	
Spindletop	07-21-91	91	68	.00	99	52	85	80	97	65	.32	
Spindletop	07-22-91	92	72	.00	97	49	88	80	96	76	.13	
Spindletop	07-23-91	91	75	.08	92	60	83	80	96	77	.24	
Spindletop	07-24-91	85	66	.00	97	43	83	79	92	74	.32	
Spindletop	07-25-91	81	66	.00	98	65	87	79	86	74	.15	
Spindletop	07-26-91	85	64	-1.00	98	65	80	78	92	72	.30	
Spindletop	07-27-91	83	61	.00	97	44	80	76	92	71	.33	
Spindletop	07-28-91	80	58	.00	92	65	80	77	88	70	.20	
Spindletop	07-29-91	86	59	.00	100	42	80	75	93	70	.13	
Spindletop	07-30-91	83	66	.00	99	42	79	75	90	72	.30	
Spindletop	07-31-91	84	53	.00	100	33	80	74	92	68	.28	

Summarized data from 07-01-91 to 07-31-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP				TOTAL EVAP	
	MAX	MIN		MAX	MIN	GRASS		BARE			
-----	---	---	-----	---	---	---	---	---	---	---	---
Spindletop	87	66	5.84	97	54	81	76	90	71	7.12	

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. A. August Climatological Data, Spindletop

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP				EVAP
		MAX	MIN		MAX	MIN	GRASS		BARE		
-----	-----	---	---	-----	---	---	---	---	---	---	---
Spindletop	08-01-91	90	53	.00	99	37	80	75	95	69	.33
Spindletop	08-02-91	94	60	.00	100	35	82	76	98	72	.21
Spindletop	08-03-91	96	80	.00	92	43	82	77	96	76	.20
Spindletop	08-04-91	93	68	.00	96	47	81	78	94	76	.37
Spindletop	08-05-91	81	61	.00	97	55	81	76	86	73	.11
Spindletop	08-06-91	86	60	.00	97	56	79	75	88	70	.11
Spindletop	08-07-91	92	61	.00	100	47	83	76	93	72	.31
Spindletop	08-08-91	94	65	.00	99	45	80	77	92	74	.29
Spindletop	08-09-91	86	67	.43	100	67	81	77	88	74	.07
Spindletop	08-10-91	85	65	-1.00	92	40	78	75	84	68	.40
Spindletop	08-11-91	84	56	.00	98	44	78	73	88	65	.21
Spindletop	08-12-91	86	55	.00	100	40	79	74	89	66	.22
Spindletop	08-13-91	75	59	1.19	100	66	79	73	82	66	.08
Spindletop	08-14-91	82	54	.34	100	43	76	72	82	62	.09
Spindletop	08-15-91	84	56	.01	99	41	77	72	82	64	.19
Spindletop	08-16-91	88	60	.00	92	35	78	73	82	63	.38
Spindletop	08-17-91	81	72	.06	100	70	79	75	79	67	.10
Spindletop	08-18-91	84	66	.06	100	55	76	73	82	68	.06
Spindletop	08-19-91	77	57	.86	100	70	77	73	76	65	.14
Spindletop	08-20-91	75	55	.02	98	60	73	70	75	62	.13
Spindletop	08-21-91	82	53	-1.00	100	46	75	68	81	60	.07
Spindletop	08-22-91	86	60	.00	96	46	77	74	86	64	.26
Spindletop	08-23-91	89	64	.00	96	45	78	74	92	70	.21
Spindletop	08-24-91	89	62	.00	98	44	79	74	90	70	.36
Spindletop	08-25-91	89	64	.00	98	44	80	75	89	71	.14
Spindletop	08-26-91	78	64	.05	97	73	79	75	89	70	.10
Spindletop	08-27-91	83	64	-1.00	98	76	76	74	86	68	.12
Spindletop	08-28-91	90	65	.00	98	54	78	74	90	70	.10
Spindletop	08-29-91	91	64	.00	98	51	79	75	90	72	.25
Spindletop	08-30-91	91	63	.52	100	56	80	75	90	70	.03
Spindletop	08-31-91	86	65	-1.00	100	59	78	75	88	70	.33

Summarized data from 08-01-91 to 08-31-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP				TOTAL EVAP
	MAX	MIN		MAX	MIN	GRASS		BARE		
-----	---	---	-----	---	---	---	---	---	---	---
Spindletop	86	62	3.54	98	51	79	74	87	69	5.97

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. A. September Climatological Data, Spindletop

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP				EVAP	
		MAX	MIN		MAX	MIN	GRASS		BARE			
-----	-----	---	---	-----	---	---	---	---	---	---	---	-----
Spindletop	09-01-91	84	63	-1.00	100	58	79	75	88	69	.27	
Spindletop	09-02-91	88	60	-1.00	97	55	79	75	90	68	.19	
Spindletop	09-03-91	82	69	.03	90	68	80	78	87	73	.14	
Spindletop	09-04-91	78	66	.26	100	83	78	75	82	70	.08	
Spindletop	09-05-91	82	63	.20	97	65	76	74	82	68	.14	
Spindletop	09-06-91	82	63	.02	92	50	77	75	82	69	.09	
Spindletop	09-07-91	85	55	.00	97	45	78	73	86	64	.27	
Spindletop	09-08-91	88	54	.00	97	44	78	72	86	63	.21	
Spindletop	09-09-91	78	67	.12	97	75	76	74	82	69	.09	
Spindletop	09-10-91	83	67	.58	99	78	75	73	78	68	.01	
Spindletop	09-11-91	86	67	.10	99	57	77	73	82	68	.14	
Spindletop	09-12-91	90	57	-1.00	100	58	78	74	83	66	.26	
Spindletop	09-13-91	92	69	.02	100	52	79	76	88	72	.23	
Spindletop	09-14-91	91	65	.00	100	55	80	77	90	70	.19	
Spindletop	09-15-91	93	72	.00	100	61	81	76	90	70	.29	
Spindletop	09-16-91	93	72	.00	100	61	80	76	90	70	.22	
Spindletop	09-17-91	86	63	.04	97	45	79	76	88	70	.28	
Spindletop	09-18-91	84	62	.00	100	55	80	74	84	69	.20	
Spindletop	09-19-91	71	48	.07	90	40	78	71	82	60	.17	
Spindletop	09-20-91	63	38	-1.00	97	35	73	65	71	54	.17	
Spindletop	09-21-91	69	37	.00	97	36	69	64	69	51	.26	
Spindletop	09-22-91	76	50	.00	88	46	69	65	72	58	.18	
Spindletop	09-23-91	73	54	.09	100	43	70	67	75	60	.05	
Spindletop	09-24-91	64	42	1.35	100	65	70	62	75	58	.05	
Spindletop	09-25-91	66	46	.31	100	45	65	61	68	54	.13	
Spindletop	09-26-91	66	49	-1.00	98	37	67	62	64	52	.20	
Spindletop	09-27-91 E	68	38	.00	..	..	..	..	..	..	..
Spindletop	09-28-91	75	36	.00	96	35	65	59	71	46	.13	
Spindletop	09-29-91	80	53	.00	87	40	66	62	73	58	.05	
Spindletop	09-30-91	83	49	.00	87	40	66	63	76	45	.20	

Summarized data from 09-01-91 to 09-30-91 follows:

STATION		AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP				TOTAL EVAP	
		MAX	MIN		MAX	MIN	GRASS		BARE			
-----	-----	---	---	-----	---	---	---	---	---	---	---	-----
Spindletop	E	80	56	3.19	97	53	75	70	80	63	4.89	

E indicates estimated data by NWS.

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. B. April Climatological Data, Princeton

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP		EVAP	
		MAX	MIN		MAX	MIN	GRASS	BARE		
Princeton	04-01-91	68	38	.00	100	36	61	52	..	..
Princeton	04-02-91	74	42	.00	100	36	60	50	..	..
Princeton	04-03-91	72	52	.00	68	60	60	52	..	..
Princeton	04-04-91	70	40	.00	100	100	60	48	..	..
Princeton	04-05-91	76	52	.00	100	68	60	56	..	..
Princeton	04-06-91	77	54	.00	92	36	60	57	..	..
Princeton	04-07-91	80	58	.06	100	64	64	60	..	..
Princeton	04-08-91	80	62	.42	100	90	64	62	..	..
Princeton	04-09-91	76	58	1.20	100	100	64	58	..	..
Princeton	04-10-91	65	42	.02	100	50	65	58	..	..
Princeton	04-11-91	64	40	.00	100	40	64	56	..	..
Princeton	04-12-91	64	48	.18	100	100	62	58	..	..
Princeton	04-13-91	68	60	.17	100	100	62	56	..	..
Princeton	04-14-91	75	63	.14	100	40	62	56	..	..
Princeton	04-15-91	72	55	.15	100	50	66	58	..	..
Princeton	04-16-91	80	43	.00	100	30	64	60	..	..
Princeton	04-17-91	82	47	.00	100	38	68	60	..	..
Princeton	04-18-91	81	57	.00	100	50	68	60	..	..
Princeton	04-19-91	73	58	.25	100	100	66	62	..	..
Princeton	04-20-91	62	48	.25	100	90	66	60	..	..
Princeton	04-21-91	59	44	.00	100	50	64	60	..	..
Princeton	04-22-91	62	38	.00	100	64	61	58	..	..
Princeton	04-23-91	70	45	.00	100	50	64	60	..	..
Princeton	04-24-91	70	38	.30	100	42	64	62	..	..
Princeton	04-25-91	74	48	.00	94	38	64	60	..	..
Princeton	04-26-91	76	58	.00	100	70	65	62	..	..
Princeton	04-27-91	72	52	.02	100	90	64	60	..	..
Princeton	04-28-91	75	62	.23	100	100	66	60	..	..
Princeton	04-29-91	74	64	.36	100	100	66	62	..	..
Princeton	04-30-91	78	68	.00	100	28	66	64	..	..

Summarized data from 04-01-91 to 04-30-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP		TOTAL EVAP
	MAX	MIN		MAX	MIN	GRASS	BARE	
Princeton	72	51	3.75	98	64	64	58	..

III. B. May Climatological Data, Princeton

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP		EVAP
		MAX	MIN		MAX	MIN	GRASS	BARE	
		MAX	MIN		MAX	MIN	MAX	MIN	
Princeton	05-01-91	78	56	.00	100	50	69	62	..
Princeton	05-02-91	76	42	.00	100	32	70	62	..
Princeton	05-03-91	72	50	.04	100	50	68	64	..
Princeton	05-04-91	79	62	-1.00	100	90	68	62	..
Princeton	05-05-91	73	63	.34	100	80	69	64	..
Princeton	05-06-91	73	45	.00	100	32	68	62	..
Princeton	05-07-91	78	45	.00	100	48	69	64	..
Princeton	05-08-91	78	56	.00	100	72	69	64	..
Princeton	05-09-91	74	58	.82	100	100	69	66	..
Princeton	05-10-91	78	64	.16	100	100	70	62	..
Princeton	05-11-91	76	63	1.09	100	100	70	64	..
Princeton	05-12-91	82	65	.06	100	98	73	61	..
Princeton	05-13-91	80	62	.00	100	100	74	62	..
Princeton	05-14-91	85	65	.00	100	72	76	70	..
Princeton	05-15-91	87	64	.00	100	32	78	70	..
Princeton	05-16-91	86	69	.05	100	82	78	72	..
Princeton	05-17-91	88	68	.00	100	60	79	74	..
Princeton	05-18-91	80	65	.00	100	54	77	70	..
Princeton	05-19-91	82	66	.08	100	60	77	70	..
Princeton	05-20-91	80	68	.00	100	52	77	72	..
Princeton	05-21-91	79	65	.00	100	48	77	70	..
Princeton	05-22-91	80	68	.06	100	82	78	74	..
Princeton	05-23-91	85	68	.00	100	82	79	76	..
Princeton	05-24-91	84	70	.02	100	82	78	72	..
Princeton	05-25-91	81	71	2.03	100	98	78	70	..
Princeton	05-26-91	74	70	.16	100	98	77	74	..
Princeton	05-27-91	85	64	.02	100	60	78	72	..
Princeton	05-28-91	90	65	.00	100	72	78	74	..
Princeton	05-29-91	89	70	.00	100	60	78	74	..
Princeton	05-30-91	88	72	.00	100	48	79	76	..
Princeton	05-31-91	88	72	.00	100	58	82	74	..

Summarized data from 05-01-91 to 05-31-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP		TOTAL EVAP
	MAX	MIN		MAX	MIN	GRASS	BARE	
	MAX	MIN		MAX	MIN	MAX	MIN	
Princeton	81	63	4.93	100	69	74	68	..

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. B. June Climatological Data, Princeton

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP				EVAP	
		MAX	MIN		MAX	MIN	GRASS		BARE			
-----	-----	---	---	---	---	---	---	---	---	---	---	---
Princeton	06-01-91	81	70	.29	100	82	82	78	..	..	..
Princeton	06-02-91	88	65	.03	100	96	83	78	..	..	..
Princeton	06-03-91	92	72	.00	100	50	86	78	..	..	..
Princeton	06-04-91	91	71	-1.00	100	70	88	78	..	..	..
Princeton	06-05-91	82	64	.00	100	50	88	76	..	..	..
Princeton	06-06-91	82	62	.00	100	40	86	78	..	..	..
Princeton	06-07-91	84	58	.00	100	70	86	72	..	..	..
Princeton	06-08-91	85	58	.00	100	50	86	80	..	..	..
Princeton	06-09-91	85	63	.00	100	50	86	80	..	..	..
Princeton	06-10-91	88	70	.00		.00	100	70	86	72	..	
Princeton	06-08-91	85	58	.00	100	50	86	80	..	..	..
Princeton	06-09-91	85	63	.00	100	50	86	80	..	..	..
Princeton	06-10-91	88	70	.00	100	60	83	80	..	..	..
Princeton	06-11-91	87	68	.03	100	50	81	78	..	..	..
Princeton	06-12-91	83	70	.01	100	94	81	77	..	..	..
Princeton	06-13-91	89	68	.70	100	68	81	78	..	..	..
Princeton	06-14-91	89	70	.02	100	74	81	76	..	..	..
Princeton	06-15-91	88	72	-1.00	100	74	82	78	..	..	..
Princeton	06-16-91	82	70	.09	100	74	83	79	..	..	..
Princeton	06-17-91	85	68	.00	100	78	78	72	..	..	..
Princeton	06-18-91	86	68	.02	100	50	84	78	..	..	..
Princeton	06-19-91	89	67	.10	100	60	86	80	..	..	..
Princeton	06-20-91	90	69	.00	100	50	86	82	..	..	..
Princeton	06-21-91	90	70	-1.00	100	98	86	82	..	..	..
Princeton	06-22-91	85	69	.15	100	100	84	78	..	..	..
Princeton	06-23-91	80	65	.05	100	94	80	75	..	..	..
Princeton	06-24-91	87	66	.00	100	70	82	74	..	..	..
Princeton	06-25-91	86	70	.00	100	90	82	70	..	..	..
Princeton	06-26-91	87	65	.00	100	60	84	76	..	..	..
Princeton	06-27-91	86	66	.00	100	52	84	70	..	..	..
Princeton	06-28-91	88	66	.00	100	60	84	82	..	..	..
Princeton	06-29-91	92	68	.00	100	46	86	82	..	..	..
Princeton	06-30-91	95	73	.00	100	58	86	82	..	..	..

Summarized data from 06-01-91 to 06-30-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP				TOTAL EVAP	
	MAX	MIN		MAX	MIN	GRASS		BARE			
-----	---	---	---	---	---	---	---	---	---	---	---
Princeton	87	67	1.49	100	67	84	78	..	..	..

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. B. July Climatological Data, Princeton

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP		EVAP	
		MAX	MIN		MAX	MIN	GRASS	BARE		
-----	-----	---	---	-----	---	---	---	---	---	
Princeton	07-01-91	96	74	.00	100	50	86	80	..	..
Princeton	07-02-91	95	70	.05	100	60	86	78	..	..
Princeton	07-03-91	90	66	.00	100	64	86	78	..	..
Princeton	07-04-91	92	69	.15	100	72	86	78	..	..
Princeton	07-05-91	90	68	.00	100	58	86	80	..	..
Princeton	07-06-91	95	72	.00	100	58	86	80	..	..
Princeton	07-07-91	94	73	.00	100	56	86	80	..	..
Princeton	07-08-91	95	72	.00	100	60	86	82	..	..
Princeton	07-09-91	94	68	.12	100	68	86	78	..	..
Princeton	07-10-91	90	68	.78	100	68	86	78	..	..
Princeton	07-11-91	92	72	.13	100	80	86	82	..	..
Princeton	07-12-91	93	76	.00	100	86	86	82	..	..
Princeton	07-13-91	94	70	.00	100	58	88	80	..	..
Princeton	07-14-91	90	66	.00	100	52	88	83	..	..
Princeton	07-15-91	90	63	.00	100	40	88	78	..	..
Princeton	07-16-91	90	65	.00	100	40	88	78	..	..
Princeton	07-17-91	95	68	.00	100	50	88	80	..	..
Princeton	07-18-91	94	66	.00	100	48	88	78	..	..
Princeton	07-19-91	90	70	.00	100	60	88	78	..	..
Princeton	07-20-91	94	70	.00	100	48	88	78	..	..
Princeton	07-21-91	97	70	.00	100	58	88	82	..	..
Princeton	07-22-91	101	74	.00	100	40	88	82	..	..
Princeton	07-23-91	100	75	.00	100	50	88	84	..	..
Princeton	07-24-91	99	74	.00	100	40	88	84	..	..
Princeton	07-25-91	90	68	.00	100	60	88	84	..	..
Princeton	07-26-91	88	64	.00	100	52	88	82	..	..
Princeton	07-27-91	90	63	.00	100	48	88	78	..	..
Princeton	07-28-91	88	67	.00	100	50	85	82	..	..
Princeton	07-29-91	89	68	.00	100	52	88	80	..	..
Princeton	07-30-91	92	64	.00	100	42	88	78	..	..
Princeton	07-31-91	90	60	.00	100	38	88	82	..	..

Summarized data from 07-01-91 to 07-31-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP		TOTAL EVAP
	MAX	MIN		MAX	MIN	GRASS	BARE	
-----	---	---	-----	---	---	---	---	---
Princeton	93	69	1.23	100	55	87	80	..

III. B. August Climatological Data, Princeton

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP		EVAP	
		MAX	MIN		MAX	MIN	GRASS	BARE		
-----	-----	---	---	-----	---	---	---	---	---	
Princeton	08-01-91	96	58	.00	100	30	88	76	..	..
Princeton	08-02-91	100	62	.00	100	28	90	77	..	..
Princeton	08-03-91	101	69	.00	100	26	91	80	..	..
Princeton	08-04-91	98	73	.14	100	60	90	81	..	..
Princeton	08-05-91	94	69	.00	100	50	86	80	..	..
Princeton	08-06-91	100	71	.00	100	40	87	80	..	..
Princeton	08-07-91	97	70	.28	100	50	88	80	..	..
Princeton	08-08-91	98	74	.00	100	46	88	81	..	..
Princeton	08-09-91	88	70	.44	100	62	88	81	..	..
Princeton	08-10-91	89	65	.00	100	48	86	79	..	..
Princeton	08-11-91	85	63	.00	90	40	86	76	..	..
Princeton	08-12-91	86	64	.00	90	38	86	76	..	..
Princeton	08-13-91	84	66	.00	100	42	86	75	..	..
Princeton	08-14-91	87	59	.05	100	38	86	78	..	..
Princeton	08-15-91	92	56	.00	100	32	88	80	..	..
Princeton	08-16-91	94	61	.00	100	40	86	82	..	..
Princeton	08-17-91	92	72	.06	100	90	86	80	..	..
Princeton	08-18-91	89	63	.03	100	44	85	76	..	..
Princeton	08-19-91	88	60	.19	100	48	84	74	..	..
Princeton	08-20-91	86	55	.00	100	32	82	70	..	..
Princeton	08-21-91	88	58	.00	100	60	82	74	..	..
Princeton	08-22-91	92	59	.00	100	32	84	78	..	..
Princeton	08-23-91	96	62	.00	100	34	84	80	..	..
Princeton	08-24-91	97	64	.00	100	42	84	78	..	..
Princeton	08-25-91	95	68	.00	100	36	85	78	..	..
Princeton	08-26-91	93	72	.18	100	80	85	80	..	..
Princeton	08-27-91	94	71	.00	100	60	85	80	..	..
Princeton	08-28-91	93	72	-1.00	100	72	85	82	..	..
Princeton	08-29-91	90	71	.00	100	80	85	82	..	..
Princeton	08-30-91	92	71	.18	100	58	85	82	..	..
Princeton	08-31-91	89	70	.06	100	72	84	78	..	..

Summarized data from 08-01-91 to 08-31-91 follows:

STATION	AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP		TOTAL EVAP
	MAX	MIN		MAX	MIN	GRASS	BARE	
-----	---	---	-----	---	---	---	---	---
Princeton	92	66	1.61	99	49	86	78	..

-1.00 indicates TRACE (precip occurred but was unmeasurable).

III. B. September Climatological Data, Princeton

STATION	DATE	TEMP		PRECIP	RH		SOIL TEMP		EVAP	
		MAX	MIN		MAX	MIN	GRASS	BARE		
-----	-----	---	---	-----	---	---	---	---	---	
Princeton	09-01-91	90	70	.38	100	78	85	81	..	..
Princeton	09-02-91	94	68	.00	100	53	84	80	..	..
Princeton	09-03-91	92	69	.00	100	62	84	78	..	..
Princeton	09-04-91	85	71	.15	100	96	84	80	..	..
Princeton	09-05-91	80	69	.18	100	100	82	76	..	..
Princeton	09-06-91	85	69	.00	100	100	84	80	..	..
Princeton	09-07-91	88	62	.00	100	47	84	80	..	..
Princeton	09-08-91	92	62	.00	100	55	83	80	..	..
Princeton	09-09-91	88	71	.19	100	71	84	80	..	..
Princeton	09-10-91	94	72	.00	100	71	84	80	..	..
Princeton	09-11-91	95	75	.03	100	80	84	80	..	..
Princeton	09-12-91	94	70	.56	100	60	84	79	..	..
Princeton	09-13-91	95	72	.00	100	52	85	79	..	..
Princeton	09-14-91	95	69	.00	100	55	85	79	..	..
Princeton	09-15-91	94	70	.00	98	64	84	78	..	..
Princeton	09-16-91	95	71	.00	94	60	84	80	..	..
Princeton	09-17-91	88	62	.00	98	51	82	76	..	..
Princeton	09-18-91	86	62	.79	100	72	80	72	..	..
Princeton	09-19-91	64	50	.03	88	49	76	68	..	..
Princeton	09-20-91 E	62	41	.00	91	50	74	64	..	..
Princeton	09-21-91 E	69	40	.00	94	45	73	66	..	..
Princeton	09-22-91	78	57	.00	88	57	71	65	..	..
Princeton	09-23-91	75	58	.00	96	48	70	64	..	..
Princeton	09-24-91	72	53	.08	95	67	70	60	..	..
Princeton	09-25-91	72	45	.11	98	48	68	64	..	..
Princeton	09-26-91	72	49	.00	88	43	72	62	..	..
Princeton	09-27-91	73	38	.00	99	28	70	60	..	..
Princeton	09-28-91	80	48	.00	97	45	70	60	..	..
Princeton	09-29-91	85	49	.00	84	38	71	63	..	..
Princeton	09-30-91 E	84	50	.00	98	38	68	64	..	..

Summarized data from 09-01-91 to 09-30-91 follows:

STATION		AVG TEMP		TOTAL PRECIP	AVG RH		AVG SOIL TEMP		TOTAL EVAP
		MAX	MIN		MAX	MIN	GRASS	BARE	
-----		---	---	-----	---	---	---	---	---
Princeton	E	84	60	2.50	97	59	79	72	..

E indicates estimated data by NWS.

IV. HERBICIDES IN REPORT

CHEMICAL/COMMON	TRADE NAME	COMPANY
2,4-DB	BUTYRAC 200	RHONE POULENC
2,4-D AMINE	WEEDAR 64	RHONE POULENC
2,4-D ESTER	WEEDONE LV4	RHONE POULENC
ACIFLUORFEN 1	BLAZER 2L	BASF
	ACTIVATOR 90	LOVELAND
	AGRI-DEX	CIBA GEIGY
ALACHLOR	LIASSO 4E,4MT	MONSANTO
ALACHLOR 2	PARTNER 65WDG	MONSANTO
ALACHLOR EC + ATRAZINE	LARIAT (LIASSO 2.5 + ROUNDUP 1.5)	MONSANTO
ALACHLOR MT + ATRAZINE	BULLET (LIASSO 2.5 + ROUNDUP 1.5)	MONSANTO
ALACHLOR + GLYPHOSATE	BRONCO (LIASSO 2.5 + ROUNDUP 1.5)	MONSANTO
ALACHLOR + IMAZAQUIN	PARTNER (LIASSO + SCEPTER) AMMONIUM SULFATE	MONSANTO
ATRAZINE	AATREX, AATREX NINE-0	CIBA GEIGY
BAS 514		BASF
BENEFIN	BALAN	ELANCO
BENTAZON	BASAGRAN	BASF
BENTAZON + ACIFLUORFEN	STORM (2.67 BASAGRAN + 1.33 BLAZER)	BASF
BENTAZON + ATRAZINE	LADDOK	BASF
BRC 602		ICI
BROMOXYNIL	BUCTRIL	RHONE POULENC
BROMOXYNIL/ATRAZINE	BUCTRIL/ATRAZINE	RHONE POULENC
BUTYLATE + R25788	SUTAN +	ICI
BUTYLATE PKG.+ATRAZINE	SUTAZINE (SUTAN 4.8 + ATRAZINE 1.2)	ICI
CARBOFURAN	FURADAN	FMC
CHLORETHOXYFOS	FORTRESS	DUPONT
CHLORIMURON	CLASSIC	DUPONT
CHLORPYRIFOS	LORSBAN	DowElanco
CHLOR. + LINURON 1:12	GEMINI	DUPONT
CHLOR. + LINURON 1:18	LOROX PLUS	DUPONT
CHLOR. + METRI. 1:6	CANOPY	DUPONT
CHLOR. + METRI. 1:10	PREVIEW	DUPONT
CLETHODIM	SELECT	VALENT
CLOMAZONE	COMMAND	FMC
CYANAZINE	BLADEX 90DF	DUPONT
CYANAZINE + ATRAZINE 3:1	EXTRAZINE II	DUPONT
CROP OIL CONCENTRATE		
DASH		BASF
DICAMBA	BANVEL	SANDOZ
DICAMBA + ATRAZINE	MARKSMAN (2.1 ATRAZINE + 1.1 BANVEL)	SANDOZ
DPX M6316	PINNACLE 25DF	DUPONT
DPX 79406 25DF		DUPONT
EPTC + R25788	ERADICANE	ICI
EPTC + R25788 + R33865	ERADICANE EXTRA	ICI

IV. HERBICIDES (continued)

ETHALFLURALIN F6285	SONALAN	DowElanco
FLUAZIFOP-BUTYL	FUSILADE 2000	FMC
FOMESAFEN	REFLEX	ICI
FOMESAFEN + FLUAZIFOP-B.	TORNADO 2E (1.0 REFLEX + .75 FUSILADE)	ICI
FONOFOS	DYFONATE II	ICI
GLYPHOSATE	ROUNDUP	MONSANTO
GLYPHOSATE + 2,4-D	LANDMASTER II (1.0 2,4-D + 1.2 ROUNDUP)	MONSANTO
ICIA 5676	HERBIMAX	LOVELAND
IMAZAQUIN	SCEPTER	ICI
IMAZAQUIN + ACIFLUORFEN	SCEPTER OT (.5 SCEPTER + 2.0 BLAZER)	AMERICAN CYANAMID
IMAZETHAPYR	PURSUIT	AMERICAN CYANAMID
IMAZETHAPYR + PENDIMETH.	PURSUIT PLUS 3E (3.0 PURSUIT + 2.8 PROWL)	AMERICAN CYANAMID
ISOPROPALIN	PAARLAN	DowElanco
KY 9		
KY 10		
KY 5000		
LACTOFEN	COBRA	VALENT
LINURON	LOROX	DUPONT
LIQUID FERTILIZER	28% NITROGEN	
METALACHLOR	DUAL	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP 6L (3.33 DUAL + 2.67 ATRAZINE)	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP LITE (1.0 DUAL + 2.0 ATRAZINE)	CIBA GEIGY
METALACHLOR + CYANAZINE	CYCLE (2.0 DUAL + 2.0 BLADEX)	CIBA GEIGY
METALACHLOR+METRIBUZIN	TURBO (6.55 DUAL + 1.45 METRIBUZIN)	MOBAY
METSULFURON METHYL	ALLY	DUPONT
METRIBUZIN 1	SENCOR 4L,75DF	MOBAY
METRIBUZIN 2	LEXONE 4L,75DF	DUPONT
MON 8421 4MT		MONSANTO
MON 29844 4L		MONSANTO
MON 35085 3E		MONSANTO
MON 44051 3E		MONSANTO
MON 52223 3E		MONSANTO
MON 52224 3E		MONSANTO
MON 52291 3E		MONSANTO
NAPROPAMIDE	DEVRIKOL	ICI
NICOSULFURON	ACCENT	DUPONT
PARAQUAT	GRAMOXONE EXTRA	ICI
PEBULATE	TILLAM	ICI
PENDIMETHALIN	PROWL	AMERICAN CYANAMID
PENDI. + IMAZAQUIN 5.7:1	SQUADRON	AMERICAN CYANAMID
PRIMISULFURON	BEACON	CIBA GEIGY
PYRIDATE	TOUGH	RIVERSIDE TERRA
QUIZALAFOP	ASSURE, ASSURE II	DUPONT
SETHOXYDIM	POAST	BASF
SETHOXYDIM 2	POAST PLUS	BASF

IV. HERBICIDES (continued)

SIMAZINE	PRINCEP	CIBA GEIGY
SURFACTANT	SUN-IT II	AMERICAN CYANAMID
TEFLUTHRIN	X-77	VALENT
TERBUFOS	FORCE	DowElanco
TRIFLURALIN	COUNTER	AMERICAN CYANAMID
TRIFLUR + IMAZAQUIN 6:1	TREFLAN	DowElanco
TRIFLURALIN+METRIBUZIN	TRI-SCEPT	AMERICAN CYANAMID
TRIFLURALIN+CLOMAZONE	SALUTE (2.67 TREFLAN +	MOBAY
V-23031 .83L	1.33 METRIBUZIN)	DowElanco, FMC
V-53482 50WP, 3FL	COMMENCE	VALENT
XRM-5254 75WP		VALENT
XRM-5313 3.63EC		DowElanco
XRM-5339 80DG		DowElanco

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----			
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CRIN	SETFA	XANOR
1	ALACHLOR	4.00 MT	2.500 lb/ac PRE	100	10	0	100	18	0	100	5
2A	ALACHLOR	4.00 MT	2.500 lb/ac PRE	98	80	0	98	80	0	100	68
2B	ATRAZINE	4.00 L	1.500 lb/ac PRE								
3A	ALACHLOR	4.00 MT	2.500 lb/ac PRE	100	85	0	100	85	0	98	60
3B	CYANAZINE	4.00 L	2.000 lb/ac PRE								
4A	ALACHLOR	4.00 MT	2.500 lb/ac PRE	100	85	0	100	85	0	100	65
4B	ATRAZINE (TERRA)	90.00 DF	1.500 lb/ac PRE								
5A	ALACHLOR	4.00 MT	2.500 lb/ac PRE	100	85	0	100	85	0	98	63
5B	ATRAZINE (TERRA)	4.00 L	1.500 lb/ac PRE								
6	METOLACHLOR	8.00 E	2.000 lb/ac PRE	100	5	0	100	15	0	100	8
7A	METOLACHLOR	8.00 E	2.000 lb/ac PRE	100	80	0	100	80	0	100	60
7B	ATRAZINE	4.00 L	1.500 lb/ac PRE								
8A	METOLACHLOR	8.00 E	2.000 lb/ac PRE	100	90	0	100	90	0	100	70
8B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac PRE								
9A	PENDIMETHALIN	4.00 E	1.000 lb/ac PRE	88	65	23	93	83	0	93	65
9B	ATRAZINE	4.00 L	1.500 lb/ac PRE								
10	METALACHLOR + ATRA.	6.00 L	2.700 lb/ac PRE	95	73	0	95	73	0	98	45
11	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac PRE	100	85	0	100	85	0	100	63
12	METALACHLOR + ATRA.	3.00 L	3.000 lb/ac PRE	100	53	0	100	53	3	100	33
13	METALACHLOR + CYAN.	4.00 L	3.500 lb/ac PRE	100	80	0	100	78	0	100	53
14	METALACHLOR + CYAN.	4.00 L	4.000 lb/ac PRE	100	73	0	100	73	0	98	43
15	ALACHLOR MT + ATRAZ	4.00 L	3.000 lb/ac PRE	100	78	0	100	78	0	98	48
16	ALACHLOR EC + ATRAZ	4.00 FL	3.000 lb/ac PRE	98	78	0	98	78	0	100	48
17A	ALACHLOR 2	65.00 WDG	1.880 lb/ac PRE	100	75	0	100	75	0	98	48
17B	ATRAZINE	4.00 L	1.220 lb/ac PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS			-----8 WEEKS-----				
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CRIN	SETFA	XANOR
18	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac	PRE	98	90	0	98	90	0	95	85
19	ATRAZINE (TERRA)	90.00 DF	1.500 lb/ac	PRE	40	85	0	40	85	0	68	55
20	ATRAZINE (TERRA)	4.00 L	1.500 lb/ac	PRE	48	85	0	48	85	0	55	63
21A	MON 8421	4.00 MT	1.500 lb/ac	PRE	100	83	0	100	83	0	98	50
21B	ATRAZINE	4.00 L	1.250 lb/ac	PRE								
22A	KY 5000	7.50 L	1.250 lb/ac	PRE	100	88	0	100	88	0	100	73
22B	ATRAZINE	4.00 L	1.500 lb/ac	PRE								
23A	KY 5000	7.50 L	1.250 lb/ac	PRE	100	85	0	100	85	0	98	60
23B	CYANAZINE	4.00 L	2.000 lb/ac	PRE								
24	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	0	100	100
LSD(.05) :					7.0	15.9	NS	6.2	14.4	NS	10.6	20.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30, 1991
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 3.50 %
 DATE TREATED : PRE APRIL 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1010 CORN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SEIFA	XANOR	CHEAL	IPOHE	ABUTH
1	ICIA 5676	6.40 E	1.000 lb/ac PRE		100	18	0	100	33	100	60	100
2	ICIA 5676	6.40 E	1.250 lb/ac PRE		100	28	0	100	28	95	60	100
3	ICIA 5676	6.40 E	1.500 lb/ac PRE		100	28	0	100	38	100	53	88
4	ICIA 5676	6.40 E	1.750 lb/ac PRE		100	38	0	100	45	100	68	98
5A	ICIA 5676	6.40 E	1.000 lb/ac PRE		100	93	0	100	90	100	100	100
5B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
6A	ICIA 5676	6.40 E	1.250 lb/ac PRE		100	90	3	100	90	100	98	100
6B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
7A	ICIA 5676	6.40 E	1.500 lb/ac PRE		100	93	0	100	93	100	98	100
7B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
8A	ICIA 5676	6.40 E	1.750 lb/ac PRE		100	93	0	100	90	100	100	100
8B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
9	ALACHLOR	4.00 MT	2.750 lb/ac PRE		100	13	0	100	18	75	25	98
10A	ALACHLOR	4.00 MT	2.750 lb/ac PRE		100	90	0	100	88	100	100	100
10B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
11	METOLACHLOR	8.00 E	2.000 lb/ac PRE		100	18	0	100	13	93	55	90
12A	METOLACHLOR	8.00 E	2.000 lb/ac PRE		100	88	0	100	85	100	100	100
12B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
13	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					NS	11.3	NS	NS	17.8	NS	26.2	6.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 2.50 %
 DATE TREATED : PRE APRIL 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1010 CORN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	IPOHE	ABUTH
1	ICIA 5676	6.40 E	1.000 lb/ac	PRE	0	100	23	48	100
2	ICIA 5676	6.40 E	1.250 lb/ac	PRE	0	100	10	18	98
3	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	100	20	8	88
4	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	100	33	43	90
5A	ICIA 5676	6.40 E	1.000 lb/ac	PRE	0	100	78	93	100
5B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
6A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	0	100	78	95	100
6B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
7A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	100	85	90	98
7B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
8A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	100	85	93	100
8B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
9	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	0	100	15	10	95
10A	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	0	100	73	95	100
10B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
11	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	10	13	83
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	70	93	100
12B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
13	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100
LSD(.05) :					NS	NS	22.7	29.0	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 2.50 %
 DATE TREATED : PRE APRIL 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1011 CORN PREEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	SIDSP	ABUTH
1	ICIA 5676	6.40 E	1.500 lb/ac PRE		100	50	0	100	83	48	73	73
2	ICIA 5676	6.40 E	1.750 lb/ac PRE		100	40	0	100	100	35	68	98
3	ICIA 5676	6.40 E	2.000 lb/ac PRE		100	48	0	100	95	45	78	60
4	ICIA 5676	6.40 E	2.250 lb/ac PRE		100	65	0	100	100	58	95	95
5A	ICIA 5676	6.40 E	1.500 lb/ac PRE		100	98	0	100	98	98	100	98
5B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
6A	ICIA 5676	6.40 E	1.750 lb/ac PRE		100	100	5	100	100	100	100	100
6B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
7A	ICIA 5676	6.40 E	2.000 lb/ac PRE		100	100	0	100	100	98	100	100
7B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
8A	ICIA 5676	6.40 E	2.250 lb/ac PRE		100	95	0	100	100	98	100	95
8B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
9	ALACHLOR	4.00 MT	3.000 lb/ac PRE		100	45	0	100	98	45	70	70
10A	ALACHLOR	4.00 MT	3.000 lb/ac PRE		100	98	3	100	100	98	100	98
10B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
11	METOLACHLOR	8.00 E	2.500 lb/ac PRE		100	25	0	100	73	20	48	90
12A	METOLACHLOR	8.00 E	2.500 lb/ac PRE		100	98	0	100	100	98	100	100
12B	ATRAZINE	4.00 L	1.500 lb/ac PRE									
13	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
14	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					NS	12.4	NS	NS	12.7	9.4	15.3	23.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.7 O.M. : 4.50 %
 DATE TREATED : PRE APRIL 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1011 CORN PREEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	CHEAL	IPOHE	ABUTH
1	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	98	73	10	43
2	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	100	98	5	90
3	ICIA 5676	6.40 E	2.000 lb/ac	PRE	0	100	83	5	33
4	ICIA 5676	6.40 E	2.250 lb/ac	PRE	0	100	100	13	80
5A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	90	100	90	93
5B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
6A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	98	100	90	98
6B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
7A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	0	98	100	90	100
7B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
8A	ICIA 5676	6.40 E	2.250 lb/ac	PRE	0	98	100	90	85
8B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
9	ALACHLOR	4.00 MT	3.000 lb/ac	PRE	0	100	100	5	58
10A	ALACHLOR	4.00 MT	3.000 lb/ac	PRE	0	100	100	88	98
10B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
11	METOLACHLOR	8.00 E	2.500 lb/ac	PRE	0	100	43	0	68
12A	METOLACHLOR	8.00 E	2.500 lb/ac	PRE	0	100	100	88	98
12B	ATRAZINE	4.00 L	1.500 lb/ac	PRE					
13	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100
14	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100
LSD(.05) :					NS	NS	23.6	13.3	29.8

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.7 O.M. : 4.50 %
 DATE TREATED : PRE APRIL 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----						-----8 WEEKS-----			
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR
1	ALACHLOR	4.00 MT	2.500 lb/ac PPI		93	10	0	93	0	40	0	0	100	0
2A	ALACHLOR	4.00 MT	2.500 lb/ac PPI		90	78	0	90	75	100	93	0	90	40
2B	ATRAZINE	4.00 L	1.500 lb/ac PPI											
3	METOLACHLOR	8.00 E	2.000 lb/ac PPI		95	5	0	95	3	13	3	0	93	8
4A	METOLACHLOR	8.00 E	2.000 lb/ac PPI		90	75	0	90	75	100	88	0	80	43
4B	ATRAZINE	4.00 L	1.500 lb/ac PPI											
5A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac PPI		98	80	0	98	75	100	95	0	100	40
5B	ATRAZINE	4.00 L	1.500 lb/ac PPI											
6A	EPTC + R-25788	6.70 E	4.000 lb/ac PPI		98	78	0	98	73	100	95	0	73	25
6B	ATRAZINE	4.00 L	1.500 lb/ac PPI											
7	METALACHLOR + ATRA.	6.00 L	2.700 lb/ac PPI		83	78	0	83	78	100	95	0	70	35
8	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac PPI		88	73	0	88	68	100	93	0	93	43
9	METALACHLOR + ATRA.	3.00 L	3.000 lb/ac PPI		95	43	0	95	33	95	88	0	98	18
10	METALACHLOR + CYAN.	4.00 L	3.500 lb/ac PPI		90	60	0	90	63	85	68	0	95	8
11	METALACHLOR + CYAN.	4.00 L	4.000 lb/ac PPI		90	70	0	90	68	100	83	0	95	13
12	ALACHLOR MT + ATRAZ	4.00 L	3.000 lb/ac PPI		88	68	0	88	63	100	95	0	75	23
13	ALACHLOR EC + ATRAZ	4.00 FL	3.000 lb/ac PPI		90	55	0	90	50	100	85	0	98	8
14A	ALACHLOR 2	65.00 WDG	1.880 lb/ac PPI		85	60	0	85	55	100	95	0	80	20
14B	ATRAZINE	4.00 L	1.220 lb/ac PPI											
15	BUYTL + ATRA 4:1	6.00 ME	5.250 lb/ac PPI		100	55	0	100	43	100	85	0	100	28
16A	MON 8421	4.00 MT	1.500 lb/ac PPI		90	75	0	90	70	100	93	0	93	30
16B	ATRAZINE	4.00 L	1.250 lb/ac PPI											
17	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	0	100	100
			LSD(.05) :		8.4	15.4	NS	8.4	18.4	9.1	14.5	NS	NS	22.3

25

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : APRIL 30
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.3 O.M. : 3.50 %
DATE TREATED : PPI APRIL 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1016 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	SIDSP	ABUTH
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	100	80	13	100	100	88	100	70	100
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI									
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	100	80	0	100	98	100	100	68	100
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP									
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
2D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	83	0	100	100	100	100	80	93
3B	NICOSULFURON	75.00 DF	0.031 lb/ac	MP									
3C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	90	0	100	100	95	100	90	98
4B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP									
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
5	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	90	75	8	90	100	85	100	63	100
6A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	95	90	0	95	100	88	100	93	95
6B	ATRAZINE	4.00 L	0.750 lb/ac	PPI									
7A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	100	90	15	100	100	90	100	93	98
7B	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI									
8A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	78	73	3	78	78	98	100	73	98
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
8C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
9A	IMAZETHAPYR	2.00 AS	0.125 lb/ac	MP	88	78	0	90	88	100	100	68	100
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
9C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
10A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	85	90	0	88	98	100	100	90	98
10B	ATRAZINE	4.00 L	0.750 lb/ac	MP									
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
10D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
11A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	78	75	0	78	85	100	100	70	100
11B	PENDIMETHALIN	4.00 E	1.000 lb/ac	MP									
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1016 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOKE	AMARE	SIDSP	ABUTH
12A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac PPI		100	100	8	100	100	100	100	100	100
12B	ATRAZINE	4.00 L	1.500 lb/ac PPI										
13A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac PPI		100	90	0	100	98	100	100	90	100
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac MP										
13C	X-77 (SURFACTANT)	0.50 WA	0.250 % MP										
13D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac MP										
14A	PENDIMETHALIN	4.00 E	1.500 lb/ac PRE		100	90	3	100	100	100	100	83	100
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac MP										
14C	X-77 (SURFACTANT)	0.50 WA	0.250 % MP										
14D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac MP										

LSD(.05) : 6.4 10.6 8.5 6.0 5.5 4.7 NS 13.1 NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 1
 VARIETY : PIONEER 3343

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PPI MAY 1
 PRE MAY 1
 MP MAY 17

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1016 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	DIGSA	SETFA	CHEAL	IPOHE	ABUTH	ACCOS
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	100	100	100	100	100	60
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI							
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	100	100	95	100	98	60
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP							
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
2D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	100	100	100	100	88	68
3B	NICOSULFURON	75.00 DF	0.031 lb/ac	MP							
3C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	98	100	100	100	98	58
4B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP							
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
5	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	0	100	100	100	90	100	60
6A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	0	100	100	98	88	95	95
6B	ATRAZINE	4.00 L	0.750 lb/ac	PPI							
7A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	0	100	100	100	95	100	93
7B	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI							
8A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	80	90	68	100	98	63
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
8C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
9A	IMAZETHAPYR	2.00 AS	0.125 lb/ac	MP	0	85	98	78	100	100	63
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
9C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
10A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	73	95	98	100	100	85
10B	ATRAZINE	4.00 L	0.750 lb/ac	MP							
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
10D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
11A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	83	95	85	100	100	58
11B	PENDIMETHALIN	4.00 E	1.000 lb/ac	MP							
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1016 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					GRIN	DIGSA	SETFA	CHEAL	IPOHE	ABUTH	ACCOS
12A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	100	100	100	93	100	98
12B	ATRAZINE	4.00 L	1.500 lb/ac	PPI							
13A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PP1	3	100	100	98	100	100	75
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP							
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
13D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
14A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	0	100	100	100	100	100	38
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP							
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
14D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP							
LSD(.05) :					NS	7.3	4.4	7.9	8.3	NS	23.4

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 1
 VARIETY : PIONEER 3343

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PPI MAY 1
 PRE MAY 1
 MP MAY 17

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	XANOR	CHEAL	IPOHE	AMARE	ABUTH	ACCOS
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	88	13	100	100	80	95	98	100	95	95
1B	2,4 D ESTER	4.00 E	0.500 lb/ac	EP											
2A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	95	3	100	100	93	100	100	100	100	100
2B	ATRAZINE	4.00 L	1.200 lb/ac	EP											
2C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
3A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	85	0	100	100	78	100	100	100	100	100
3B	ATRAZINE	4.00 L	1.200 lb/ac	EP											
4A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	88	0	100	100	88	98	100	100	95	98
4B	DICAMBA	4.00 S	0.500 lb/ac	EP											
5A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	95	88	0	98	93	90	90	100	98	93	98
5B	DICAMBA	4.00 S	0.250 lb/ac	MP											
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	88	3	100	100	85	100	100	100	100	100
6B	PYRIDATE	3.75 EC	0.450 lb/ac	EP											
6C	ATRAZINE	4.00 L	0.600 lb/ac	EP											
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
7A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	98	90	3	100	100	80	100	98	100	100	100
7B	PYRIDATE	3.75 EC	0.700 lb/ac	EP											
7C	ATRAZINE	4.00 L	0.600 lb/ac	EP											
7D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
8A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	100	8	100	100	98	100	100	100	100	100
8B	PYRIDATE	3.75 EC	0.900 lb/ac	EP											
8C	ATRAZINE	4.00 L	1.200 lb/ac	EP											
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
9A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	90	5	100	98	85	100	98	100	95	100
9B	PYRIDATE	3.75 EC	0.450 lb/ac	EP											
9C	CYANAZINE	4.00 L	0.600 lb/ac	EP											
10A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	93	93	0	100	90	93	98	98	100	100	98
10B	DPX M6316	25.00 DF	0.004 lb/ac	LP											
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	LP											
11A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	100	90	8	100	95	83	100	100	100	100	100
11B	DPX M6316	25.00 DF	0.004 lb/ac	LP											
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	XANOR	CHEAL	IPOHE	AMARE	ABUTH	ACCOS
12A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	98	83	3	100	90	78	93	100	100	100	100
12B	DPX M6316	25.00 DF	0.004 lb/ac	LP											
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	LP											
13A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	98	93	3	100	93	88	100	100	100	100	100
13B	DPX M6316	25.00 DF	0.008 lb/ac	LP											
13C	X-77 (SURFACTANT)	0.50 WA	0.125 %	LP											
14A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	98	90	5	98	95	93	100	98	100	100	98
14B	DPX M6316	25.00 DF	0.008 lb/ac	LP											
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
15A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	93	93	0	100	90	88	98	98	100	95	98
15B	DPX M6316	25.00 DF	0.008 lb/ac	LP											
15C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	LP											
16A	PYRIDATE	3.75 EC	0.700 lb/ac	EP	70	90	3	90	70	88	100	100	100	100	100
16B	ATRAZINE	4.00 L	0.600 lb/ac	EP											
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
17A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	100	98	8	100	98	93	100	100	100	100	100
17B	ATRAZINE	4.00 L	1.200 lb/ac	EP											
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
18A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	100	93	13	100	98	88	100	100	100	100	100
18B	CYANAZINE	4.00 L	1.200 lb/ac	EP											
19A	PRIMISULFURON	75.00 WDG	0.040 lb/ac	EP	25	80	10	35	23	80	100	100	100	88	100
19B	PYRIDATE	3.75 EC	0.450 lb/ac	EP											
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
20A	PRIMISULFURON	75.00 WDG	0.040 lb/ac	EP	90	93	8	95	90	88	100	98	100	100	100
20B	PYRIDATE	3.75 EC	0.700 lb/ac	EP											
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
21A	NICOSULFURON	75.00 DF	0.040 lb/ac	EP	100	80	5	100	100	78	95	100	100	98	98
21B	PYRIDATE	3.75 EC	0.450 lb/ac	EP											
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
22A	NICOSULFURON	75.00 DF	0.040 lb/ac	EP	100	70	3	100	100	68	100	100	100	100	100
22B	PYRIDATE	3.75 EC	0.700 lb/ac	EP											
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	XANOR	CHEAL	IPOHE	AMARE	ABUTH	ACCOS
23A	BENTAZON + ATRAZINE	3.20 L	1.000 lb/ac	EP	20	85	8	53	20	80	100	100	100	100	100
23B	DPX M6316	25.00 DF	0.003 lb/ac	EP											
23C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP											
23D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP											
24A	BENTAZON + ATRAZINE	3.20 L	1.000 lb/ac	MP	100	98	3	100	100	95	100	100	100	100	100
24B	NICOSULFURON	75.00 DF	0.031 lb/ac	MP											
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP											
24D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
25A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	63	55	10	60	78	100	43	100	100	100	100
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP											
26A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	38	65	8	33	48	100	48	98	100	100	100
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP											
26C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP											
27A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	45	80	8	45	45	100	75	98	100	100	100
27B	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
28A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	55	63	15	53	58	100	53	100	100	100	100
28B	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
28C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP											
29A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	30	98	3	28	30	100	95	100	100	100	100
29B	DICAMBA	4.00 S	0.250 lb/ac	LP											
30A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	35	100	10	38	33	100	100	100	100	100	100
30B	DICAMBA	4.00 S	0.250 lb/ac	LP											
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
31A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	38	100	5	33	43	100	100	100	100	100	100
31B	BROMOXYNIL	2.00 E	0.250 lb/ac	LP											
32A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	38	98	10	33	45	98	98	100	100	100	100
32B	BROMOXYNIL	2.00 E	0.250 lb/ac	LP											
32C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
33A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	28	100	23	23	38	100	100	100	100	100	100
33B	2,4 D ESTER	4.00 E	0.500 lb/ac	LP											
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	XANOR	CHEAL	IPOHE	AMARE	ABUTH	ACCOS
34A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	90	100	3	88	90	100	100	100	100	100	100
34B	ATRAZINE	4.00 L	1.500 lb/ac	LP											
34C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP											
35A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	93	95	0	93	90	90	100	100	100	100	100
35B	ATRAZINE	4.00 L	1.500 lb/ac	LP											
35C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP											
35D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP											
36A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	100	98	0	100	100	98	100	100	100	100	100
36B	NICOSULFURON	75.00 DF	0.031 lb/ac	+3W											
36C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W											
36D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+3W											
37A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	100	98	3	100	100	98	100	100	100	100	100
37B	NICOSULFURON	75.00 DF	0.031 lb/ac	+4W											
37C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+4W											
37D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+4W											
38A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	100	98	0	100	100	95	100	100	100	100	100
38B	NICOSULFURON	75.00 DF	0.031 lb/ac	+5W											
38C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+5W											
38D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+5W											
39A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	100	93	5	100	98	88	100	100	100	100	100
39B	NICOSULFURON	75.00 DF	0.031 lb/ac	+6W											
39C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+6W											
39D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+6W											
40A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	93	13	100	100	88	100	100	100	100	100
40B	BROMOXYNIL	2.00 E	0.250 lb/ac	LEP											
40C	ATRAZINE	4.00 L	0.500 lb/ac	LEP											
40D	2,4 D AMINE	4.00 E	0.380 lb/ac	LEP											
41A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	100	5	100	100	100	100	100	100	100	100
41B	BROMOXYNIL	2.00 E	0.188 lb/ac	MP											
41C	ATRAZINE	4.00 L	0.380 lb/ac	MP											
41D	2,4 D AMINE	4.00 E	0.125 lb/ac	MP											
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	78	5	100	78	75	100	100	100	95	100
42B	BROMOXYNIL	2.00 E	0.250 lb/ac	LEP											
42C	ATRAZINE	4.00 L	0.500 lb/ac	LEP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	XANOR	CHEAL	IPOHE	AMARE	ABUTH	ACCOS
43A	BROMOXYNIL	2.00 E	0.250 lb/ac	6LF	93	80	10	93	93	98	73	100	100	100	100
43B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF											
43C	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF											
44A	BROMOXYNIL	2.00 E	0.250 lb/ac	6LF	90	100	10	90	90	100	100	100	100	100	100
44B	ATRAZINE	4.00 L	0.500 lb/ac	6LF											
44C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF											
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF											
45A	BROMOXYNIL	2.00 E	0.188 lb/ac	6LF	83	100	8	85	83	100	100	100	100	100	100
45B	ATRAZINE	4.00 L	0.380 lb/ac	6LF											
45C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF											
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF											
46	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	3	100	100	100	100	100	100	100	100
LSD(.05) :					19.7	15.6	8.0	23.6	23.4	13.5	13.1	NS	NS	4.1	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PRE MAY 1
 EP, LEP MAY 17
 MP MAY 21
 LP, +3W MAY 22
 +4W, 6LF MAY 30
 +5W JUNE 5
 +6W JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	DIGSA	SETFA	XANOR	CHEAL	ACCOS
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	100	100	70	95	100
1B	2,4 D ESTER	4.00 E	0.500 lb/ac	EP						
2A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	3	100	100	93	100	100
2B	ATRAZINE	4.00 L	1.200 lb/ac	EP						
2C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
3A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	3	100	100	83	100	100
3B	ATRAZINE	4.00 L	1.200 lb/ac	EP						
4A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	100	100	85	98	98
4B	DICAMBA	4.00 S	0.500 lb/ac	EP						
5A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	98	95	88	90	93
5B	DICAMBA	4.00 S	0.250 lb/ac	MP						
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	100	100	85	100	100
6B	PYRIDATE	3.75 EC	0.450 lb/ac	EP						
6C	ATRAZINE	4.00 L	0.600 lb/ac	EP						
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
7A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	3	100	100	85	100	100
7B	PYRIDATE	3.75 EC	0.700 lb/ac	EP						
7C	ATRAZINE	4.00 L	0.600 lb/ac	EP						
7D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
8A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	3	100	100	98	100	100
8B	PYRIDATE	3.75 EC	0.900 lb/ac	EP						
8C	ATRAZINE	4.00 L	1.200 lb/ac	EP						
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
9A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE						
9B	PYRIDATE	3.75 EC	0.450 lb/ac	EP						
9C	CYANAZINE	4.00 L	0.600 lb/ac	EP						
10A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	3	98	90	93	93	98
10B	DPX M6316	25.00 DF	0.004 lb/ac	LP						
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	LP						
11A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	100	95	83	95	100
11B	DPX M6316	25.00 DF	0.004 lb/ac	LP						
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					GRIN	DIGSA	SETFA	XANOR	CHEAL	ACCOS
12A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	3	95	95	80	83	98
12B	DPX M6316	25.00 DF	0.004 lb/ac	LP						
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	LP						
13A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	95	95	85	100	100
13B	DPX M6316	25.00 DF	0.008 lb/ac	LP						
13C	X-77 (SURFACTANT)	0.50 WA	0.125 %	LP						
14A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	100	98	88	98	98
14B	DPX M6316	25.00 DF	0.008 lb/ac	LP						
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						
15A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	98	93	88	93	100
15B	DPX M6316	25.00 DF	0.008 lb/ac	LP						
15C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	LP						
16A	PYRIDATE	3.75 EC	0.700 lb/ac	EP	0	85	85	88	100	100
16B	ATRAZINE	4.00 L	0.600 lb/ac	EP						
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
17A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	3	100	100	98	100	100
17B	ATRAZINE	4.00 L	1.200 lb/ac	EP						
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
18A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	0	100	100	85	100	100
18B	CYANAZINE	4.00 L	1.200 lb/ac	EP						
19A	PRIMISULFURON	75.00 WDG	0.040 lb/ac	EP	13	43	43	78	100	100
19B	PYRIDATE	3.75 EC	0.450 lb/ac	EP						
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
20A	PRIMISULFURON	75.00 WDG	0.040 lb/ac	EP	3	80	83	85	98	100
20B	PYRIDATE	3.75 EC	0.700 lb/ac	EP						
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
21A	NICOSULFURON	75.00 DF	0.040 lb/ac	EP	0	95	95	70	95	98
21B	PYRIDATE	3.75 EC	0.450 lb/ac	EP						
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
22A	NICOSULFURON	75.00 DF	0.040 lb/ac	EP	0	100	100	65	98	100
22B	PYRIDATE	3.75 EC	0.700 lb/ac	EP						
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	DIGSA	SETFA	XANOR	CHEAL	ACCOS
23A	BENTAZON + ATRAZINE	3.20 L	1.000 lb/ac	EP	3	30	30	83	100	100
23B	DPX M6316	25.00 DF	0.003 lb/ac	EP						
23C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
23D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
24A	BENTAZON + ATRAZINE	3.20 L	1.000 lb/ac	MP	0	100	100	95	100	100
24B	NICOSULFURON	75.00 DF	0.031 lb/ac	MP						
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
24D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP						
25A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	10	73	73	100	15	100
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
26A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	3	55	55	100	28	100
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
26C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP						
27A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	3	53	58	100	70	100
27B	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						
28A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	10	65	65	100	50	100
28B	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						
28C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP						
29A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	5	38	38	100	98	100
29B	DICAMBA	4.00 S	0.250 lb/ac	LP						
30A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	5	30	30	93	98	100
30B	DICAMBA	4.00 S	0.250 lb/ac	LP						
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						
31A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	0	48	48	98	100	100
31B	BROMOXYNIL	2.00 E	0.250 lb/ac	LP						
32A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	8	38	38	100	95	100
32B	BROMOXYNIL	2.00 E	0.250 lb/ac	LP						
32C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						
33A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	18	23	23	98	100	100
33B	2,4 D ESTER	4.00 E	0.500 lb/ac	LP						
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	DIGSA	SETFA	XANOR	CHEAL	ACCOS
34A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	0	73	75	100	100	100
34B	ATRAZINE	4.00 L	1.500 lb/ac	LP						
34C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
35A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	LP	3	90	88	93	100	100
35B	ATRAZINE	4.00 L	1.500 lb/ac	LP						
35C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
35D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP						
36A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	100	100	98	100	100
36B	NICOSULFURON	75.00 DF	0.031 lb/ac	+3W						
36C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
36D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+3W						
37A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	100	100	95	100	100
37B	NICOSULFURON	75.00 DF	0.031 lb/ac	+4W						
37C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+4W						
37D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+4W						
38A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	100	100	95	100	100
38B	NICOSULFURON	75.00 DF	0.031 lb/ac	+5W						
38C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+5W						
38D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+5W						
39A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	3	100	100	88	100	100
39B	NICOSULFURON	75.00 DF	0.031 lb/ac	+6W						
39C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+6W						
39D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+6W						
40A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	95	95	78	100	100
40B	BROMOXYNIL	2.00 E	0.250 lb/ac	LEP						
40C	ATRAZINE	4.00 L	0.500 lb/ac	LEP						
40D	2,4 D AMINE	4.00 E	0.380 lb/ac	LEP						
41A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	8	100	100	98	100	100
41B	BROMOXYNIL	2.00 E	0.188 lb/ac	MP						
41C	ATRAZINE	4.00 L	0.380 lb/ac	MP						
41D	2,4 D AMINE	4.00 E	0.125 lb/ac	MP						
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	100	100	83	100	100
42B	BROMOXYNIL	2.00 E	0.250 lb/ac	LEP						
42C	ATRAZINE	4.00 L	0.500 lb/ac	LEP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	DIGSA	SETFA	XANOR	CHEAL	ACCOS
43A	BROMOXYNIL	2.00 E	0.250 lb/ac	6LF	5	93	93	100	60	100
43B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF						
43C	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF						
44A	BROMOXYNIL	2.00 E	0.250 lb/ac	6LF	0	93	93	100	100	100
44B	ATRAZINE	4.00 L	0.500 lb/ac	6LF						
44C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF						
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF						
45A	BROMOXYNIL	2.00 E	0.188 lb/ac	6LF	3	90	90	100	100	100
45B	ATRAZINE	4.00 L	0.380 lb/ac	6LF						
45C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF						
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF						
46	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					7.6	15.3	15.8	13.5	14.1	2.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PRE MAY 1
 EP, LEP MAY 17
 MP MAY 21
 LP, +3W MAY 22
 +4W, 6LF MAY 30
 +5W JUNE 5
 +6W JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1020 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	3 DAY	-----10 DAYS AFTER APPLIED-----						
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE
1	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	100	0	0	100	0	25	0
2A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	5	98	68	0	98	70	95	58
2B	BROMOXYNIL	2.00 E	0.380 lb/ac	MP								
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	100	60	0	100	63	100	45
3B	BROMOXYNIL	2.00 E	0.380 lb/ac	MP								
4A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	3	98	85	0	98	90	95	78
4B	DICAMBA	4.00 S	0.250 lb/ac	MP								
5A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	20	100	90	5	100	90	100	85
5B	DICAMBA	4.00 S	0.500 lb/ac	MP								
6A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	0	100	68	0	100	68	100	83
6B	ATRAZINE	4.00 L	0.500 lb/ac	MP								
6C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
7A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	0	98	90	0	98	90	100	90
7B	ATRAZINE	4.00 L	1.200 lb/ac	MP								
7C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	100	90	0	100	90	100	90
8B	ATRAZINE	4.00 L	1.200 lb/ac	MP								
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
9A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	8	95	63	0	95	63	90	60
9B	V-23031	0.83 EC	0.026 lb/ac	MP								
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
10A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	8	100	58	0	100	58	83	63
10B	V-23031	0.83 EC	0.026 lb/ac	MP								
10C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
11A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	10	100	90	0	100	90	100	90
11B	V-23031	0.83 EC	0.026 lb/ac	MP								
11C	ATRAZINE	4.00 L	0.500 lb/ac	MP								
11D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
12A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	15	100	90	8	100	90	100	90
12B	V-23031	0.83 EC	0.026 lb/ac	MP								
12C	ATRAZINE	4.00 L	0.750 lb/ac	MP								
12D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1020 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	3 DAY -----10 DAYS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE
13A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	8	98	88	0	98	88	100	80
13B	V-23031	0.83 EC	0.026 lb/ac	MP								
13C	DICAMBA	4.00 S	0.250 lb/ac	MP								
14A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	10	100	85	0	100	85	100	78
14B	V-23031	0.83 EC	0.026 lb/ac	MP								
14C	DICAMBA	4.00 S	0.380 lb/ac	MP								
15A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	100	60	0	100	60	90	63
15B	V-23031	0.83 EC	0.040 lb/ac	MP								
15C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
16A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	20	98	65	8	98	65	100	70
16B	V-23031	0.83 EC	0.040 lb/ac	MP								
16C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
17A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	15	100	68	3	100	68	100	63
17B	V-23031	0.83 EC	0.040 lb/ac	MP								
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	100	55	0	100	55	95	70
18B	V-23031	0.83 EC	0.040 lb/ac	MP								
18C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
18D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
19A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	100	65	3	100	65	98	68
19B	V-23031	0.83 EC	0.040 lb/ac	MP								
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
19D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
20A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	100	88	0	100	88	100	90
20B	V-23031	0.83 EC	0.026 lb/ac	MP								
20C	ATRAZINE	4.00 L	0.500 lb/ac	MP								
20D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
21A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	15	100	90	8	100	90	100	90
21B	V-23031	0.83 EC	0.026 lb/ac	MP								
21C	ATRAZINE	4.00 L	0.500 lb/ac	MP								
21D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
22A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	10	100	90	0	100	90	100	90
22B	V-23031	0.83 EC	0.026 lb/ac	MP								
22C	ATRAZINE	4.00 L	0.500 lb/ac	MP								
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1020 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	3 DAY -----10 DAYS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE
23A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	15	100	83	10	100	83	100	83
23B	V-23031	0.83 EC	0.026 lb/ac	MP								
23C	ATRAZINE	4.00 L	0.500 lb/ac	MP								
23D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
23E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
24A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	15	100	85	8	100	85	100	85
24B	V-23031	0.83 EC	0.026 lb/ac	MP								
24C	ATRAZINE	4.00 L	0.500 lb/ac	MP								
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
24E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
25A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	20	100	90	5	100	90	100	83
25B	V-23031	0.83 EC	0.026 lb/ac	MP								
25C	DICAMBA	4.00 S	0.250 lb/ac	MP								
25D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
26A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	28	100	78	15	100	75	100	75
26B	V-23031	0.83 EC	0.026 lb/ac	MP								
26C	2,4 D ESTER	4.00 E	0.250 lb/ac	MP								
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
27	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	100	100
LSD(.05) :					6.7	NS	10.8	4.3	NS	11.2	15.4	8.8

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 3.50 %
 DATE TREATED : PRE MAY 1
 MP MAY 17

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1020 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
1	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	0	0	100	0	95	0	5	98	0	93	0
2A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	95	40	0	95	40	100	35	5	95	23	93	3
2B	BROMOXYNIL	2.00 E	0.380 lb/ac	MP												
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	40	3	100	40	98	38	3	98	23	100	10
3B	BROMOXYNIL	2.00 E	0.380 lb/ac	MP												
4A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	98	80	0	98	80	98	80	10	93	60	93	30
4B	DICAMBA	4.00 S	0.250 lb/ac	MP												
5A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	90	88	3	90	88	100	78	0	90	68	100	20
5B	DICAMBA	4.00 S	0.500 lb/ac	MP												
6A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	95	48	0	95	48	100	53	5	93	33	100	43
6B	ATRAZINE	4.00 L	0.500 lb/ac	MP												
6C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
7A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	95	90	0	93	90	100	90	10	93	78	100	68
7B	ATRAZINE	4.00 L	1.200 lb/ac	MP												
7C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	90	3	100	90	100	90	0	95	78	100	58
8B	ATRAZINE	4.00 L	1.200 lb/ac	MP												
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP												
9A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	98	35	0	98	35	90	35	5	98	20	85	13
9B	V-23031	0.83 EC	0.026 lb/ac	MP												
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
10A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	93	35	3	93	35	85	33	8	93	20	95	13
10B	V-23031	0.83 EC	0.026 lb/ac	MP												
10C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
11A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	98	85	3	98	85	100	85	10	95	50	100	45
11B	V-23031	0.83 EC	0.026 lb/ac	MP												
11C	ATRAZINE	4.00 L	0.500 lb/ac	MP												
11D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
12A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	93	90	3	93	90	100	90	8	93	63	100	38
12B	V-23031	0.83 EC	0.026 lb/ac	MP												
12C	ATRAZINE	4.00 L	0.750 lb/ac	MP												
12D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1020 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
13A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	90	88	0	90	88	100	78	0	90	53	95	30
13B	V-23031	0.83 EC	0.026 lb/ac	MP												
13C	DICAMBA	4.00 S	0.250 lb/ac	MP												
14A	ALACHLOR	4.00 MT	1.000 lb/ac	PRE	90	88	3	90	88	100	75	3	90	48	100	18
14B	V-23031	0.83 EC	0.026 lb/ac	MP												
14C	DICAMBA	4.00 S	0.380 lb/ac	MP												
15A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	38	0	100	38	90	38	3	100	18	98	18
15B	V-23031	0.83 EC	0.040 lb/ac	MP												
15C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
16A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	38	0	100	38	98	35	0	95	25	100	28
16B	V-23031	0.83 EC	0.040 lb/ac	MP												
16C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
17A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	40	3	100	40	98	33	5	95	18	95	8
17B	V-23031	0.83 EC	0.040 lb/ac	MP												
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	30	3	100	30	98	35	5	98	13	98	20
18B	V-23031	0.83 EC	0.040 lb/ac	MP												
18C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
18D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
19A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	35	3	100	35	90	38	5	95	18	98	18
19B	V-23031	0.83 EC	0.040 lb/ac	MP												
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
19D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
20A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	80	0	100	80	100	78	3	93	68	100	48
20B	V-23031	0.83 EC	0.026 lb/ac	MP												
20C	ATRAZINE	4.00 L	0.500 lb/ac	MP												
20D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
21A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	85	3	98	85	100	85	3	95	48	100	38
21B	V-23031	0.83 EC	0.026 lb/ac	MP												
21C	ATRAZINE	4.00 L	0.500 lb/ac	MP												
21D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
22A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	88	0	98	88	100	83	3	98	55	100	55
22B	V-23031	0.83 EC	0.026 lb/ac	MP												
22C	ATRAZINE	4.00 L	0.500 lb/ac	MP												
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1020 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
23A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	83	0	100	83	100	78	13	95	35	100	40
23B	V-23031	0.83 EC	0.026 lb/ac	MP												
23C	ATRAZINE	4.00 L	0.500 lb/ac	MP												
23D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
23E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
24A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	75	3	100	75	100	73	5	95	43	100	30
24B	V-23031	0.83 EC	0.026 lb/ac	MP												
24C	ATRAZINE	4.00 L	0.500 lb/ac	MP												
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
24E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
25A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	88	3	98	88	98	75	0	95	58	100	15
25B	V-23031	0.83 EC	0.026 lb/ac	MP												
25C	DICAMBA	4.00 S	0.250 lb/ac	MP												
25D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
26A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	53	10	100	53	95	53	0	95	13	100	13
26B	V-23031	0.83 EC	0.026 lb/ac	MP												
26C	2,4 D ESTER	4.00 E	0.250 lb/ac	MP												
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
27	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD(.05) :		4.5	16.3	NS	4.7	16.3	7.3	15.7	NS	6.3	16.6	6.3	20.4

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 3.50 %
 DATE TREATED : PRE MAY 1
 MP MAY 17

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1021 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMBTR	ABUTH
1A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	3	100	90	75	88	100	93
1B	DICAMBA	4.00 S	0.500 lb/ac	EP									
2A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	0	100	88	100	83	98	75
2B	DICAMBA	4.00 S	0.250 lb/ac	MP									
3A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	93	5	100	93	100	93	100	100
3B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP									
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	8	100	90	93	83	100	98
4B	METRIBUZIN 1	75.00 DF	0.075 lb/ac	4LF									
4C	BENTAZON	4.00 E	0.500 lb/ac	4LF									
4D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	4LF									
5A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	10	100	90	100	80	100	100
5B	METRIBUZIN 1	75.00 DF	0.075 lb/ac	4LF									
5C	BENTAZON	4.00 E	0.500 lb/ac	4LF									
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4LF									
6A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	15	100	90	100	90	100	100
6B	METRIBUZIN 1	75.00 DF	0.093 lb/ac	4LF									
6C	2,4 D ESTER	4.00 E	0.165 lb/ac	4LF									
7A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	100	18	100	100	100	100	100	100
7B	METRIBUZIN 1	75.00 DF	0.093 lb/ac	4LF									
7C	2,4 D ESTER	4.00 E	0.165 lb/ac	4LF									
7D	METRIBUZIN 1	75.00 DF	0.093 lb/ac	POD									
7E	2,4 D ESTER	4.00 E	0.165 lb/ac	POD									
8A	KY 5000	7.50 L	1.250 lb/ac	PRE	100	93	10	100	93	100	93	100	100
8B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP									
9A	KY 5000	7.50 L	1.250 lb/ac	PRE	100	90	5	100	90	100	90	100	95
9B	DICAMBA	4.00 S	0.500 lb/ac	EP									
10A	DPX 79406	25.00 DF	0.016 lb/ac	MP	93	70	0	100	58	60	73	75	100
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
11A	DPX 79406	25.00 DF	0.016 lb/ac	MP	93	83	0	100	78	98	78	95	100
11B	BROMOXYNIL	2.00 E	0.250 lb/ac	MP									
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1021 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMBTR	ABUTH	
12A	DPX 79406	25.00 DF	0.016 lb/ac	MP	100	90	0	100	83	100	88	98	98	
12B	BROMOXYNIL+ATRAZINE	3.00 EC	0.560 lb/ac	MP										
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
13A	DPX 79406	25.00 DF	0.016 lb/ac	MP	100	90	20	100	90	100	90	98	100	
13B	DICAMBA	4.00 S	0.500 lb/ac	MP										
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
14A	DPX 79406	25.00 DF	0.016 lb/ac	MP	100	90	13	100	93	100	90	100	100	
14B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	MP										
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
15A	DPX 79406	25.00 DF	0.016 lb/ac	MP	100	85	0	100	78	100	88	98	98	
15B	ATRAZINE	4.00 L	1.000 lb/ac	MP										
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
16	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100	
LSD(.05) :					NS	4.6	8.2	NS	7.1	18.1	7.5	9.0	5.3	

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 3.50 %
 DATE TREATED : PRE MAY 1
 EP MAY 16
 MP MAY 17
 4LF MAY 24
 POD JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1021 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	CHEAL	IPOHE
1A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	5	98	90	98	85
1B	DICAMBA	4.00 S	0.500 lb/ac	EP					
2A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	85	100	78
2B	DICAMBA	4.00 S	0.250 lb/ac	MP					
3A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	100	90	100	90
3B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP					
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	5	98	90	93	75
4B	METRIBUZIN 1	75.00 DF	0.075 lb/ac	4LF					
4C	BENTAZON	4.00 E	0.500 lb/ac	4LF					
4D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	4LF					
5A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	98	90	95	63
5B	METRIBUZIN 1	75.00 DF	0.075 lb/ac	4LF					
5C	BENTAZON	4.00 E	0.500 lb/ac	4LF					
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4LF					
6A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	8	98	90	100	90
6B	METRIBUZIN 1	75.00 DF	0.093 lb/ac	4LF					
6C	2,4 D ESTER	4.00 E	0.165 lb/ac	4LF					
7A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	10	98	93	100	95
7B	METRIBUZIN 1	75.00 DF	0.093 lb/ac	4LF					
7C	2,4 D ESTER	4.00 E	0.165 lb/ac	4LF					
7D	METRIBUZIN 1	75.00 DF	0.093 lb/ac	POD					
7E	2,4 D ESTER	4.00 E	0.165 lb/ac	POD					
8A	KY 5000	7.50 L	1.250 lb/ac	PRE	3	100	90	100	90
8B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP					
9A	KY 5000	7.50 L	1.250 lb/ac	PRE	5	100	90	100	80
9B	DICAMBA	4.00 S	0.500 lb/ac	EP					
10A	DPX 79406	25.00 DF	0.016 lb/ac	MP	3	100	53	40	63
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP					
11A	DPX 79406	25.00 DF	0.016 lb/ac	MP	3	95	75	95	65
11B	BROMOXYNIL	2.00 E	0.250 lb/ac	MP					
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1021 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	CHEAL	IPOHE
12A	DPX 79406	25.00 DF	0.016 lb/ac	MP	0	90	83	100	80
12B	BROMOXYNIL+ATRAZINE	3.00 EC	0.560 lb/ac	MP					
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP					
13A	DPX 79406	25.00 DF	0.016 lb/ac	MP	10	93	90	100	88
13B	DICAMBA	4.00 S	0.500 lb/ac	MP					
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP					
14A	DPX 79406	25.00 DF	0.016 lb/ac	MP	8	93	93	100	90
14B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	MP					
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP					
15A	DPX 79406	25.00 DF	0.016 lb/ac	MP	3	98	83	100	93
15B	ATRAZINE	4.00 L	1.000 lb/ac	MP					
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP					
16	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100
LSD(.05) :					6.6	5.5	9.4	9.2	9.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : APRIL 30
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 3.50 %
 DATE TREATED : PRE MAY 1
 EP MAY 16
 MP MAY 17
 4LF MAY 24

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----			-8 WEEKS AFTER APPLIED-					
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	100	75	55	3	75	55	70	0	68	58	75
1B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	100	75	68	13	75	60	100	5	65	58	100
2B	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
2D	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP												
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	100	63	65	8	68	58	80	0	58	48	78
3B	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
3D	DICAMBA	4.00 S	0.500 lb/ac	EP												
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	40	63	13	40	65	80	3	48	53	93
4B	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
4D	DICAMBA	4.00 S	0.250 lb/ac	MP												
5A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	95	100	68	58	3	70	58	75	0	73	63	68
5B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
5C	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	100	100	73	53	5	75	50	80	0	63	55	75
6B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
6C	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	100	100	73	53	3	75	58	68	0	73	55	78
7B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE												
8A	ATRAZINE	4.00 L	1.500 lb/ac	PRE	100	100	93	73	3	93	75	93	0	83	73	95
8B	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
8D	NICOSULFURON	75.00 DF	0.031 lb/ac	21D												
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D												
8F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	21D												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----			-8 WEEKS AFTER APPLIED-					
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
9A	ATRAZINE	4.00 L	1.500 lb/ac	PRE	100	100	88	75	3	95	75	88	0	83	70	95
9B	PARAQUAT	2.50 E	0.470 lb/ac	PRE												
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
9D	PRIMISULFURON	75.00 WDG	0.036 lb/ac	21D												
9E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D												
9F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	21D												
10A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	28	15	15	28	60	48	8	48	63	50
10B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
11A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	98	100	70	53	8	70	58	88	0	65	65	83
11B	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	PRE												
12A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	63	70	5	70	73	90	3	73	70	93
12B	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	+1D												
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	100	68	58	3	70	50	85	3	68	58	80
13B	ALACHLOR MT + ATRAZ	4.00 L	5.000 lb/ac	PRE												
13C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
14A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	70	58	5	70	68	83	0	70	73	90
14B	ALACHLOR MT + ATRAZ	4.00 L	5.000 lb/ac	PRE												
14C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
14D	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE												
15A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	70	38	5	70	53	70	0	70	48	73
15B	ALACHLOR EC + ATRAZ	4.00 FL	3.750 lb/ac	PRE												
16A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	75	50	8	78	55	63	0	78	55	63
16B	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE												
17A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	75	28	3	78	38	80	3	68	73	60
17B	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	PRE												
18A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	68	55	8	68	70	68	5	73	73	65
18B	METALACHLOR + CYAN.	4.00 L	4.000 lb/ac	PRE												
19A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	45	43	5	50	58	73	5	68	70	78
19B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----				-8 WEEKS AFTER APPLIED-				
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
20A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	98	100	75	65	3	75	60	95	0	73	55	88
20B	PENDIMETHALIN	4.00 E	1.000 lb/ac	SPK												
20C	ATRAZINE	4.00 L	1.500 lb/ac	SPK												
21A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	100	63	18	15	65	45	15	3	75	65	48
21B	ALACHLOR	4.00 MT	3.000 lb/ac	PRE												
21C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
22A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	68	45	0	73	48	88	0	68	55	85
22B	ALACHLOR	4.00 MT	3.000 lb/ac	PRE												
22C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
22D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
23A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	68	38	5	70	43	85	0	75	63	90
23B	ALACHLOR	4.00 MT	3.000 lb/ac	PRE												
23C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
23D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
23E	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE												
24A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	100	75	65	10	80	58	85	0	70	55	85
24B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE												
24C	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP												
25A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	90	100	43	58	13	45	68	85	3	48	58	93
25B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE												
25C	DICAMBA	4.00 S	0.500 lb/ac	EP												
26A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	100	73	48	3	73	50	85	0	70	53	93
26B	ALACHLOR 2	65.00 WDG	2.340 lb/ac	PRE												
26C	ATRAZINE	4.00 L	1.410 lb/ac	PRE												
27A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	90	100	50	40	15	53	60	55	10	55	58	55
27B	ALACHLOR 2	65.00 WDG	4.500 lb/ac	PRE												
27C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
28A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	50	28	13	50	53	38	3	50	63	48
28B	ALACHLOR 2	65.00 WDG	4.500 lb/ac	PRE												
28C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
28D	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----			-8 WEEKS AFTER APPLIED-					
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
29A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	100	75	48	5	80	60	75	0	78	58	78
29B	ALACHLOR 2	65.00 WDG	4.500 lb/ac	PRE												
29C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
29D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
30A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	73	50	5	73	50	63	5	70	58	63
30B	ALACHLOR 2	65.00 WDG	4.500 lb/ac	PRE												
30C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
30D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
30E	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE												
31A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	68	48	8	70	53	73	3	75	58	58
31B	MON 29844	4.00 L	2.340 lb/ac	PRE												
31C	ATRAZINE	4.00 L	1.410 lb/ac	PRE												
32A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	60	50	10	60	55	75	3	65	55	70
32B	MON 8421	4.00 MT	1.750 lb/ac	PRE												
32C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
33A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	45	33	10	45	53	38	3	60	53	35
33B	MON 29844	4.00 L	3.000 lb/ac	PRE												
33C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
34A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	70	63	3	73	53	73	5	73	55	75
34B	MON 29844	4.00 L	3.000 lb/ac	PRE												
34C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
34D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
35A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	65	50	5	68	55	50	0	68	68	50
35B	MON 29844	4.00 L	3.000 lb/ac	PRE												
35C	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
35D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
35E	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE												
36A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	95	70	8	95	88	78	5	88	70	80
36B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF												
36C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF												
37A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	100	23	83	5	23	78	100	3	60	63	93
37B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF												
37C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----			-8 WEEKS AFTER APPLIED-					
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
38A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	83	75	13	85	68	95	8	75	68	93
38B	DICAMBA + ATRAZINE	3.20 L	1.500 lb/ac	EP												
39A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	85	63	3	88	58	95	3	65	55	100
39B	ATRAZINE	4.00 L	1.200 lb/ac	EP												
39C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
40A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	73	68	3	75	58	83	0	70	60	78
40B	PYRIDATE	3.75 EC	0.700 lb/ac	EP												
40C	ATRAZINE	4.00 L	0.600 lb/ac	EP												
40D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
41A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	83	63	3	85	55	80	0	80	58	78
41B	PYRIDATE	3.75 EC	0.900 lb/ac	EP												
41C	ATRAZINE	4.00 L	1.200 lb/ac	EP												
41D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
42A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	98	100	75	58	0	78	63	78	0	73	63	83
42B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
42C	PENDIMETHALIN	4.00 E	1.000 lb/ac	SPK												
42D	ATRAZINE	4.00 L	1.500 lb/ac	SPK												
43A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	98	100	88	65	18	90	83	95	10	78	73	85
43B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
43C	NICOSULFURON	75.00 DF	0.031 lb/ac	21D												
43D	ATRAZINE	4.00 L	1.500 lb/ac	21D												
43E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D												
43F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	21D												
44A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	98	100	45	70	8	45	73	95	0	60	68	95
44B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
44C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	21D												
44D	ATRAZINE	4.00 L	1.500 lb/ac	21D												
44E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D												
44F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	21D												
LSD(.05) :					NS	NS	16.4	19.2	10.0	16.3	15.9	21.1	6.5	15.2	NS	25.1

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : MAY 7
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.3 O.M. : 3.50 %
DATE TREATED : PRE MAY 7
+1D MAY 8
SPK MAY 14
EP MAY 24
21D,MP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1005 CORN NO-TILL STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----			-8 WEEKS AFTER APPLIED-					
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
1A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	100	75	45	3	78	65	80	5	70	60	93
1B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
1C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
2A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	95	100	70	55	3	68	65	88	0	63	60	93
2B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
2C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
3A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	100	60	73	0	63	70	88	0	63	58	98
3B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
3C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
4A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	100	73	65	0	70	68	83	0	65	58	78
4B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
4C	2,4 D ESTER	4.00 E	0.500 lb/ac	PRE												
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
5A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	98	98	75	70	10	80	70	83	0	63	50	78
5B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
5C	2,4 D ESTER	4.00 E	0.500 lb/ac	PRE												
5D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
6A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	100	75	73	5	78	70	85	0	63	58	83
6B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
6C	2,4 D ESTER	4.00 E	0.500 lb/ac	PRE												
6D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
7A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	90	100	83	75	3	83	73	88	0	60	65	83
7B	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE												
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
8	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	PRE	88	100	58	60	3	58	58	78	5	50	53	75
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	83	100	68	55	3	68	65	80	5	63	60	78
9B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
9C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
9D	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
10A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	90	100	60	53	15	65	75	73	3	60	70	53
10B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
10C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
10D	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1005 CORN NO-TILL STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--14 DAY--			-----4 WEEKS AFTER APPLIED-----			-8 WEEKS AFTER APPLIED-					
					SETFA	STEME	GGGGG	BBBBB	CRIN	SETFA	SAZCY	ABUTH	CRIN	SETFA	SAZCY	ABUTH
11A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	90	100	63	63	13	63	68	70	0	58	63	58
11B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
11C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
11D	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
12A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	88	100	50	58	3	48	63	68	3	50	63	58
12B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
12C	2,4 D ESTER	4.00 E	0.500 lb/ac	PRE												
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
12E	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
13A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	95	100	78	65	5	78	65	85	0	60	53	93
13B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
13C	2,4 D ESTER	4.00 E	0.500 lb/ac	PRE												
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
13E	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	90	100	65	60	3	63	73	80	0	55	48	70
14B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE												
14C	2,4 D ESTER	4.00 E	0.500 lb/ac	PRE												
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
14E	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
15A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	93	100	65	40	10	65	68	65	5	58	63	65
15B	METALACHLOR + ATRAZ	6.00 L	3.600 lb/ac	PRE												
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
15D	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
16A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	PRE	85	100	70	55	10	73	70	85	0	58	65	85
16B	LIQUID FERTILIZER	0.00 AD	99.999 qt/ac	PRE												
LSD(.05) :					NS	NS	18.0	23.0	9.3	18.5	NS	15.1	NS	NS	NS	25.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 6
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 3.50 %
 DATE TREATED : PRE MAY 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	SOLCA	SAZCY	AMARE	ABUTH	PHYHE	HPPVU
1A	ALACHLOR	4.00 MT	2.000 lb/ac	EPP	90	50	0	90	58	90	98	75	73	100
1B	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP										
1C	2,4 D ESTER	4.00 E	1.000 lb/ac	EPP										
2	METALACHLOR + ATRA.	6.00 LD	4.200 lb/ac	EPP	68	20	0	68	100	53	100	43	93	90
3	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	85	38	0	85	68	65	100	43	98	100
4A	METALACHLOR + ATRA.	6.00 LD	2.400 lb/ac	EPP	93	18	0	93	58	68	100	50	73	95
4B	METALACHLOR + ATRA.	6.00 LD	1.000 lb/ac	PRE										
5A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	78	43	0	78	83	100	100	50	88	100
5B	2,4 D ESTER	4.00 E	1.000 lb/ac	EPP										
6A	METALACHLOR + ATRA.	6.00 LD	2.400 lb/ac	EPP	98	35	0	98	88	68	100	70	85	100
6B	2,4 D ESTER	4.00 E	1.000 lb/ac	EPP										
6C	METALACHLOR + ATRA.	6.00 LD	1.000 lb/ac	PRE										
7A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	85	30	0	85	93	83	100	45	98	100
7B	PARAQUAT	2.50 E	0.470 lb/ac	EPP										
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP										
8A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	85	33	3	85	100	83	100	40	100	100
8B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EPP										
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP										
8D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP										
9A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	98	50	5	98	100	95	100	100	98	100
9B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EPP										
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP										
9D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP										
9E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	MP										
9F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
9G	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
10A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	80	28	0	80	95	80	100	40	83	100
10B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EPP										
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	EPP										
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP										
10E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP										
11	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	EPP	65	30	0	65	80	95	100	55	98	98

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	SETFA	SOLCA	SAZCY	AMARE	ABUTH	PHYHE	HPPVU	
12A	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	EPP	80	20	0	80	93	55	100	53	78	100	
12B	GLYPHOSATE	4.00 E	0.750 lb/ac	EPP											
12C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP											
13A	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	PRE	88	40	0	88	80	83	100	80	73	100	
13B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE											
13C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE											
14A	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	EPP	78	23	0	78	95	78	100	73	83	100	
14B	PARAQUAT	2.50 E	0.470 lb/ac	EPP											
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP											
15	ALACHLOR EC + ATRAZ	4.00 FL	4.500 lb/ac	EPP	70	33	0	70	68	88	100	65	80	100	
16A	ALACHLOR EC + ATRAZ	4.00 FL	4.500 lb/ac	EPP	63	68	0	63	75	95	100	78	80	100	
16B	GLYPHOSATE	4.00 E	0.750 lb/ac	EPP											
16C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP											
17A	ALACHLOR EC + ATRAZ	4.00 FL	4.500 lb/ac	EPP	53	20	0	53	85	93	100	40	73	100	
17B	PARAQUAT	2.50 E	0.470 lb/ac	EPP											
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP											
18	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	83	40	0	83	70	85	100	63	90	100	
19A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	100	75	55	100	100	88	100	100	100	100	
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP											
19C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP											
19D	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	EP											
20A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	98	58	23	98	95	83	100	98	98	100	
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP											
20C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP											
20D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP											
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP											
20F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP											
21	METALACHLOR + CYAN.	4.00 L	4.000 lb/ac	EPP	93	40	0	93	75	73	88	45	98	100	
22A	MON 8421	4.00 MT	2.000 lb/ac	EPP	25	33	0	25	85	83	100	85	95	100	
22B	ATRAZINE	4.00 L	1.500 lb/ac	EPP											
23A	ICIA 5676	6.40 E	1.750 lb/ac	EPP	78	28	0	78	68	88	100	68	93	100	
23B	ATRAZINE	4.00 L	1.500 lb/ac	EPP											
23C	PARAQUAT	2.50 E	0.470 lb/ac	EPP											
23D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	SOLCA	SAZCY	AMARE	ABUTH	PHYHE	HPPVU
24A	ICIA 5676	6.40 E	2.250 lb/ac	EPP	63	23	5	63	83	85	100	73	90	100
24B	ATRAZINE	4.00 L	1.500 lb/ac	EPP										
24C	PARAQUAT	2.50 E	0.470 lb/ac	EPP										
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP										
25A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	78	55	0	78	85	90	100	93	88	100
25B	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
25C	PARAQUAT	2.50 E	0.470 lb/ac	PRE										
25D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
26A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	75	43	0	75	63	83	100	73	88	100
26B	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
26C	PARAQUAT	2.50 E	0.470 lb/ac	PRE										
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
LSD(.05) :					25.2	NS	6.6	25.2	26.2	NS	3.7	35.5	NS	4.5

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 6
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EPP APRIL18
 PRE MAY 6
 EP MAY 28
 MP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	SOLCA	SAZCY	AMARE	ABUTH	PHYHE	HPPVU
1A	ALACHLOR	4.00 MT	2.000 lb/ac	EPP	0	78	75	83	100	40	73	100
1B	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP								
1C	2,4 D ESTER	4.00 E	1.000 lb/ac	EPP								
2	METALACHLOR + ATRA.	6.00 LD	4.200 lb/ac	EPP	0	53	98	75	100	55	93	93
3	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	0	88	90	80	100	43	95	98
4A	METALACHLOR + ATRA.	6.00 LD	2.400 lb/ac	EPP	0	93	63	70	100	50	63	95
4B	METALACHLOR + ATRA.	6.00 LD	1.000 lb/ac	PRE								
5A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	0	65	93	98	98	38	95	100
5B	2,4 D ESTER	4.00 E	1.000 lb/ac	EPP								
6A	METALACHLOR + ATRA.	6.00 LD	2.400 lb/ac	EPP	0	80	95	58	100	73	90	100
6B	2,4 D ESTER	4.00 E	1.000 lb/ac	EPP								
6C	METALACHLOR + ATRA.	6.00 LD	1.000 lb/ac	PRE								
7A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	0	88	93	88	100	25	100	100
7B	PARAQUAT	2.50 E	0.470 lb/ac	EPP								
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP								
8A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	0	75	100	88	100	25	100	98
8B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EPP								
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP								
8D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP								
9A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	0	90	98	95	100	98	95	100
9B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EPP								
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP								
9D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP								
9E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	MP								
9F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
9G	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
10A	METALACHLOR + ATRA.	6.00 LD	3.600 lb/ac	EPP	0	80	95	90	100	30	93	100
10B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EPP								
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	EPP								
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP								
10E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP								
11	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	EPP	0	65	90	95	100	43	95	98

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	SOLCA	SAZCY	AMARE	ABUTH	PHYHE	HPPVU
12A	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	EPP	0	65	93	60	100	65	88	100
12B	GLYPHOSATE	4.00 E	0.750 lb/ac	EPP								
12C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP								
13A	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	PRE	0	83	73	83	100	83	63	100
13B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE								
13C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
14A	ALACHLOR MT + ATRAZ	4.00 L	4.500 lb/ac	EPP	0	65	95	85	100	60	85	100
14B	PARAQUAT	2.50 E	0.470 lb/ac	EPP								
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP								
15	ALACHLOR EC + ATRAZ	4.00 FL	4.500 lb/ac	EPP	0	65	78	90	100	58	90	100
16A	ALACHLOR EC + ATRAZ	4.00 FL	4.500 lb/ac	EPP	0	43	73	90	100	88	93	100
16B	GLYPHOSATE	4.00 E	0.750 lb/ac	EPP								
16C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP								
17A	ALACHLOR EC + ATRAZ	4.00 FL	4.500 lb/ac	EPP	0	55	88	95	100	38	73	100
17B	PARAQUAT	2.50 E	0.470 lb/ac	EPP								
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP								
18	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	0	70	85	85	98	55	90	100
19A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	5	95	100	75	100	98	100	100
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP								
19C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP								
19D	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	EP								
20A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	0	93	95	95	100	93	98	100
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP								
20C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP								
20D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP								
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
20F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
21	METALACHLOR + CYAN.	4.00 L	4.000 lb/ac	EPP	0	90	88	75	83	23	98	90
22A	MON 8421	4.00 MT	2.000 lb/ac	EPP	0	10	93	78	100	85	98	100
22B	ATRAZINE	4.00 L	1.500 lb/ac	EPP								
23A	ICIA 5676	6.40 E	1.750 lb/ac	EPP	0	73	85	88	100	43	95	100
23B	ATRAZINE	4.00 L	1.500 lb/ac	EPP								
23C	PARAQUAT	2.50 E	0.470 lb/ac	EPP								
23D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	SOLCA	SAZCY	AMARE	ABUTH	PHYHE	HPPVU
24A	ICIA 5676	6.40 E	2.250 lb/ac	EPP	0	55	88	78	100	65	95	100
24B	ATRAZINE	4.00 L	1.500 lb/ac	EPP								
24C	PARAQUAT	2.50 E	0.470 lb/ac	EPP								
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP								
25A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	63	90	95	100	90	93	100
25B	ATRAZINE	4.00 L	1.500 lb/ac	PRE								
25C	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
25D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
26A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	73	58	78	100	75	85	100
26B	ATRAZINE	4.00 L	1.500 lb/ac	PRE								
26C	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
LSD(.05) :					1.6	27.9	NS	NS	6.5	36.0	NS	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 6
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EPP APRIL 18
 PRE MAY 6
 EP MAY 28
 MP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1014 CORN JOHNSONGRASS PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	3	83	0	88
1B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
2A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	93	0	95
2B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
2C	NICOSULFURON	75.00 DF	0.016 lb/ac	12J				
2D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
3A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	98	0	98
3B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
3C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
3D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
4A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	3	95	0	95
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
4C	NICOSULFURON	75.00 DF	0.016 lb/ac	12J				
4D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
5A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	3	95	0	93
5B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
5C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
5D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
6A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	93	0	93
6B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
6C	NICOSULFURON	75.00 DF	0.016 lb/ac	12J				
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
6E	NICOSULFURON	75.00 DF	0.016 lb/ac	14D				
6F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D				
7A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	93	0	93
7B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
7C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
7D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
8A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	95	0	95
8B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
8C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1014 CORN JOHNSONGRASS PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
9A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	93	0	95
9B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
9C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
10A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	90	0	95
10B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
10C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
11A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	95	0	98
11B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
11C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
11E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	14D				
11F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D				
12A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	3	80	3	83
12B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
13A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	98	0	95
13B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
13C	NICOSULFURON	75.00 DF	0.016 lb/ac	12J				
13D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
13E	NICOSULFURON	75.00 DF	0.016 lb/ac	14D				
13F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D				
14A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	93	0	95
14B	ATRAZINE	4.00 L	1.600 lb/ac	PPI				
14C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
14D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
15A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	95	0	98
15B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
15C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
15E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	14D				
15F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1014 CORN JOHNSONGRASS PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
16A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	3	95	0	90
16B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
16C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
16D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
17A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	60	0	53
17B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
18A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	93	0	95
18B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
18C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
18E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
19A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	95	0	95
19B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
19C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
19D	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
19E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
20A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	88	0	90
20B	NICOSULFURON	75.00 DF	0.031 lb/ac	3WP				
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3WP				
20D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	3WP				
21A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	5	90	3	90
21B	NICOSULFURON	75.00 DF	0.031 lb/ac	4WP				
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP				
21D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	4WP				
22A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	95	0	95
22B	NICOSULFURON	75.00 DF	0.031 lb/ac	5WP				
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5WP				
22D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5WP				
23A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	8	73	3	83
23B	NICOSULFURON	75.00 DF	0.031 lb/ac	6WP				
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6WP				
23D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6WP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1014 CORN JOHNSONGRASS PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
24A	DPX 79406	25.00 DF	0.016 lb/ac	12J	5	88	0	90
24B	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
25A	DPX 79406	25.00 DF	0.016 lb/ac	12J	18	83	8	88
25B	BROMOXYNIL	2.00 E	0.250 lb/ac	12J				
25C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
26A	DPX 79406	25.00 DF	0.016 lb/ac	12J	23	80	13	88
26B	BROMOXYNIL+ATRAZINE	3.00 EC	0.560 lb/ac	12J				
26C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
27A	DPX 79406	25.00 DF	0.016 lb/ac	12J	25	78	20	80
27B	DICAMBA	4.00 S	0.500 lb/ac	12J				
27C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
28A	DPX 79406	25.00 DF	0.016 lb/ac	12J	30	83	25	88
28B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	12J				
28C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
29A	DPX 79406	25.00 DF	0.016 lb/ac	12J	5	90	0	93
29B	ATRAZINE	4.00 L	1.000 lb/ac	12J				
29C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
30A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	90	0	93
30B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
30C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
30D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
31A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	95	0	98
31B	PRIMISULFURON	75.00 WDG	0.031 lb/ac	12J				
31C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
31D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
32A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	93	0	95
32B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
32C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
32D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1014 CORN JOHNSONGRASS PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
33A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	93	0	100
33B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	8J				
33C	AGRI-DEX	0.00 AD	1.000 qt/ac	8J				
33D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	8J				
33E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	14D				
33F	AGRI-DEX	0.00 AD	1.000 qt/ac	14D				
33G	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	14D				
34A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	3	98	3	95
34B	PRIMISULFURON	75.00 WDG	0.027 lb/ac	8J				
34C	AGRI-DEX	0.00 AD	1.000 qt/ac	8J				
34D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	8J				
34E	PRIMISULFURON	75.00 WDG	0.009 lb/ac	14D				
34F	AGRI-DEX	0.00 AD	1.000 qt/ac	14D				
34G	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	14D				
35A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	3	93	0	95
35B	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
35C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
35D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
36A	BENTAZON + ATRAZINE	3.20 L	0.750 lb/ac	12J	58	85	48	85
36B	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
36C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
36D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	12J				

LSD(.05) : 7.0 10.4 5.8 8.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 1
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.2 O.M. : 3.40 %
 DATE TREATED : PRE & PPI MAY 1
 8J, 3WP MAY 23
 3WP MAY 23
 12J MAY 30
 4WP MAY 30
 14D JUNE 5
 5WP JUNE 5
 6WP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1007 CORN POSTEMERGENCE INSECTICIDE INTERACTION

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS-----			-----4 WEEKS-----			8 WK
					HERB+	INSEC	CRIN	HERB+	INSEC	CRIN	CRIN
1A	TERBUFOS	15.00 G	1.030	lb/ac INF	22	30	33	31	68	65	50
1B	NICOSULFURON	75.00 DF	0.031	lb/ac 6LF							
1C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
2A	TERBUFOS	15.00 G	1.030	lb/ac TBN	23	29	28	35	69	58	40
2B	NICOSULFURON	75.00 DF	0.031	lb/ac 6LF							
2C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
3A	TERBUFOS	15.00 G	1.030	lb/ac INF	22	29	33	35	72	65	40
3B	PRIMISULFURON	75.00 WDG	0.036	lb/ac 6LF							
3C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
4A	TERBUFOS	15.00 G	1.030	lb/ac TBN	23	30	28	41	73	50	25
4B	PRIMISULFURON	75.00 WDG	0.036	lb/ac 6LF							
4C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
5A	TERBUFOS	20.00 G	1.030	lb/ac INF	23	30	30	37	69	55	33
5B	NICOSULFURON	75.00 DF	0.031	lb/ac 6LF							
5C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
6A	TERBUFOS	20.00 G	1.030	lb/ac TBN	25	30	30	53	70	33	8
6B	NICOSULFURON	75.00 DF	0.031	lb/ac 6LF							
6C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
7A	TERBUFOS	20.00 G	1.030	lb/ac INF	23	30	28	48	68	25	15
7B	PRIMISULFURON	75.00 WDG	0.036	lb/ac 6LF							
7C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
8A	TERBUFOS	20.00 G	1.030	lb/ac TBN	24	30	23	61	64	3	0
8B	PRIMISULFURON	75.00 WDG	0.036	lb/ac 6LF							
8C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
9A	CARBOFURAN	15.00 G	1.030	lb/ac INF	27	30	13	71	71	0	0
9B	NICOSULFURON	75.00 DF	0.031	lb/ac 6LF							
9C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							
10A	CARBOFURAN	15.00 G	1.030	lb/ac INF	27	30	13	66	66	0	0
10B	PRIMISULFURON	75.00 WDG	0.036	lb/ac 6LF							
10C	OIL CONCENTRATE	0.00 AD	1.000	qt/ac 6LF							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1007 CORN POSTEMERGENCE INSECTICIDE INTERACTION

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS-----			-----4 WEEKS-----			8 WK CRIN
					HERB+	INSEC	CRIN	HERB+	INSEC	CRIN	
11A	TEFLUTHRIN	1.50 G	0.130 lb/ac	INF	27	30	8	68	68	0	0
11B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF							
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
12A	TEFLUTHRIN	1.50 G	0.130 lb/ac	TBN	28	30	10	71	71	0	0
12B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF							
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
13A	TEFLUTHRIN	1.50 G	0.130 lb/ac	INF	27	29	10	72	72	0	0
13B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF							
13C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
14A	TEFLUTHRIN	1.50 G	0.130 lb/ac	TBN	27	30	10	69	69	0	3
14B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF							
14C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
15A	CHLORPYRIFOS	15.00 G	1.030 lb/ac	TBN	28	29	5	71	71	0	0
15B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF							
15C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
16A	CHLORPYRIFOS	15.00 G	1.030 lb/ac	TBN	26	30	10	72	73	0	0
16B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF							
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
17A	FONOFOS	20.00 G	1.030 lb/ac	TBN	26	29	8	68	70	5	0
17B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF							
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
18A	FONOFOS	20.00 G	1.030 lb/ac	TBN	23	29	28	68	68	0	0
18B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF							
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
19A	CHLORETHOXYFOS	5.00 G	0.340 lb/ac	INF	27	30	10	72	72	0	0
19B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF							
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							
20A	CHLORETHOXYFOS	5.00 G	0.340 lb/ac	TBN	28	29	10	67	67	0	0
20B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF							
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1007 CORN POSTEMERGENCE INSECTICIDE INTERACTION

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS-----			-----4 WEEKS-----			8 WK	
					HERB+	INSEC	CRIN	HERB+	INSEC	CRIN	CRIN	CRIN
21A	CHLORETHOXYFOS	5.00 G	0.340 lb/ac	INF	27	29	8	67	67	0	0	
21B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF								
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF								
22A	CHLORETHOXYFOS	5.00 G	0.340 lb/ac	TBN	26	30	15	68	68	0	0	
22B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF								
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF								
23A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF	27	30	8	73	73	0	0	
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF								
24A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF	27	30	8	76	76	0	0	
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF								
25	CHECK (CULTIVATED)	0.00 CK	0.000		28	29	0	69	69	0	0	
LSD(.05) :					1.8	NS	7.4	7.9	NS	7.1	6.7	

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N, 60 P, 60 K, pH : 6.0 O.M. : 3.50 %
 DATE PLANTED : MAY 3
 VARIETY : PIONEER 3320
 DATE TREATED : INF MAY 3
 TBN MAY 3
 6LF MAY 30

NOTE: HEADER DEFINITIONS.
 HERB+ = HERBICIDE + INSECTICIDE APPLICATION REPORTED IN INCHES.
 INSEC = INSECTICIDE APPLICATION ONLY REPORTED IN INCHES.
 CRIN = CROP INJURY (VISUAL %)

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1013 CORN WEED CONTROL IN DIFFERENT TILLAGES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE
1A	CHECK WEED FREE	0.00 CK	0.000	PRE	100	100	0	100	100	100	0	100	100	100
1B	DISKED	0.00	0.000 lb/ac	PRE										
2A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	90	93	0	90	100	97	0	90	100	87
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
2C	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE										
2D	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
2E	DISKED	0.00	0.000 lb/ac	PRE										
3A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	67	90	3	67	73	93	0	47	97	87
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
3C	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE										
3D	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
3E	DISKED	0.00	0.000 lb/ac	PRE										
4A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	87	83	0	87	100	87	0	77	100	73
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
4C	METALACHLOR + ATRA.	6.00 L	3.000 lb/ac	PRE										
4D	DISKED	0.00	0.000 lb/ac	PRE										
5A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	70	83	3	70	100	100	0	53	100	70
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
5C	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE										
5D	DISKED	0.00	0.000 lb/ac	PRE										
6A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	73	83	3	73	83	97	0	67	87	87
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
6C	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
6E	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
6F	DISKED	0.00	0.000 lb/ac	PRE										
7A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	63	60	0	63	67	63	0	60	67	43
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
7C	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	PRE										
7D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
7E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
7F	DISKED	0.00	0.000 lb/ac	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1013 CORN WEED CONTROL IN DIFFERENT TILLAGES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGG	BBBB	CRIN	SETFA	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE
8A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	83	67	0	83	67	80	0	73	60	77
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
8C	NICOSULFURON	75.00 DF	0.016 lb/ac	EP										
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
8E	NICOSULFURON	75.00 DF	0.016 lb/ac	+21										
8F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+21										
8G	DISKED	0.00	0.000 lb/ac	PRE										
9A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	73	67	0	73	67	97	0	67	80	73
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
9C	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
9D	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP										
9E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
9F	DISKED	0.00	0.000 lb/ac	PRE										
10A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	87	67	3	87	60	77	0	87	53	70
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
10C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EP										
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
10E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+21										
10F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+21										
10G	DISKED	0.00	0.000 lb/ac	PRE										
11A	CHECK WEED FREE	0.00 CK	0.000	PRE	100	100	0	100	100	100	0	100	100	100
11B	MOLDBOARD	0.00	0.000 lb/ac	PRE										
12A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	73	93	3	73	100	97	0	50	100	93
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
12C	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE										
12D	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
12E	MOLDBOARD	0.00	0.000 lb/ac	PRE										
13A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	80	77	0	80	77	93	0	83	80	97
13B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
13C	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE										
13D	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
13E	MOLDBOARD	0.00	0.000 lb/ac	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1013 CORN WEED CONTROL IN DIFFERENT TILLAGES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE
14A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	53	60	3	53	67	63	0	53	63	50
14B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
14C	METALACHLOR + ATRA.	6.00 L	3.000 lb/ac	PRE										
14D	MOLDBOARD	0.00	0.000 lb/ac	PRE										
15A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	63	63	0	63	67	63	3	60	67	50
15B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
15C	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE										
15D	MOLDBOARD	0.00	0.000 lb/ac	PRE										
16A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	60	57	3	60	50	60	0	43	40	37
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
16C	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
16D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
16E	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
16F	MOLDBOARD	0.00	0.000 lb/ac	PRE										
17A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	100	93	3	100	100	97	0	93	100	97
17B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
17C	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	PRE										
17D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
17F	MOLDBOARD	0.00	0.000 lb/ac	PRE										
18A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	57	57	0	57	60	50	0	53	50	63
18B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
18C	NICOSULFURON	75.00 DF	0.016 lb/ac	EP										
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
18E	NICOSULFURON	75.00 DF	0.016 lb/ac	+21										
18F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+21										
18G	MOLDBOARD	0.00	0.000 lb/ac	PRE										
19A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	60	63	0	60	67	67	0	50	67	67
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
19C	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
19D	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP										
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
19F	MOLDBOARD	0.00	0.000 lb/ac	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1013 CORN WEED CONTROL IN DIFFERENT TILLAGES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE
20A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	47	63	3	63	67	63	0	37	67	60
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
20C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EP										
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
20E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+21										
20F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+21										
20G	MOLDBOARD	0.00	0.000 lb/ac	PRE										
21A	CHECK WEED FREE	0.00 CK	0.000	PRE	100	100	0	100	100	100	0	100	100	100
21B	NO-TILLED	0.00	0.000 lb/ac	PRE										
22A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	80	93	0	80	100	100	0	67	100	77
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
22C	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE										
22D	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
22E	NO-TILLED	0.00	0.000 lb/ac	PRE										
23A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	63	93	3	67	93	90	0	97	57	77
23B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
23C	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE										
23D	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
23E	NO-TILLED	0.00	0.000 lb/ac	PRE										
24A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	80	93	0	80	100	90	0	80	100	93
24B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
24C	METALACHLOR + ATRA.	6.00 L	3.000 lb/ac	PRE										
24D	NO-TILLED	0.00	0.000 lb/ac	PRE										
25A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	37	63	0	37	67	63	0	37	67	53
25B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
25C	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE										
25D	NO-TILLED	0.00	0.000 lb/ac	PRE										
26A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	67	67	10	67	67	67	0	63	67	63
26B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
26C	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
26E	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
26F	NO-TILLED	0.00	0.000 lb/ac	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1013 CORN WEED CONTROL IN DIFFERENT TILLAGES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE
27A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	97	93	0	97	93	93	0	90	90	67
27B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
27C	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
27D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
27E	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
27F	NO-TILLED	0.00	0.000 lb/ac	PRE										
28A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	70	80	0	70	80	63	0	67	77	70
28B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
28C	NICOSULFURON	75.00 DF	0.016 lb/ac	EP										
28D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
28E	NICOSULFURON	75.00 DF	0.016 lb/ac	+21										
28F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+21										
28G	NO-TILLED	0.00	0.000 lb/ac	PRE										
29A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	97	100	0	97	100	100	0	97	100	80
29B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
29C	ATRAZINE	4.00 L	1.500 lb/ac	PRE										
29D	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP										
29E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
29F	NO-TILLED	0.00	0.000 lb/ac	PRE										
30A	PARAQUAT	2.50 E	0.250 lb/ac	PRE	60	50	10	60	30	80	0	70	20	40
30B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
30C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EP										
30D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
30E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+21										
30F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+21										
30G	NO-TILLED	0.00	0.000 lb/ac	PRE										

LSD(.05) : 29.8 30.9 4.4 31.7 32.7 34.2 NS 35.8 32.1 30.5

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 2
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PRE MAY 3
 EP MAY 21
 MP MAY 25
 +21D JUNE 12

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-----8 WEEKS AFTER APPLIED----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
1	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	5	0	100	3	95	0	0	80	38	95	43
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	58	0	100	75	100	3	0	83	53	100	38
2B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE												
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	90	0	93	93	98	73	0	80	58	75	60
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	90	0	93	90	100	83	0	78	50	100	53
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE												
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	18	0	98	15	100	10	0	88	13	100	35
5B	LACTOFEN	2.00 E	0.200 lb/ac	PRE												
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	35	0	95	38	98	23	0	85	25	100	50
6B	LACTOFEN	2.00 E	0.300 lb/ac	PRE												
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	38	0	98	38	100	33	0	70	18	100	50
7B	LACTOFEN	2.00 E	0.400 lb/ac	PRE												
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	88	0	100	85	100	93	0	83	43	93	78
8B	F6285	4.00 F	0.375 lb/ac	PRE												
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	93	0	98	93	100	95	0	80	60	100	88
9B	F6285	4.00 F	0.500 lb/ac	PRE												
10	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	5	0	100	0	55	0	0	88	15	78	45
11A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	0	100	90	100	80	0	83	58	95	53
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	95	80	0	95	83	100	70	0	85	48	100	50
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE												
13	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	90	88	0	90	90	98	70	0	78	58	85	58
14	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE	75	88	0	75	88	100	78	0	53	48	100	48
15	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	PRE	100	45	0	100	63	100	0	0	93	45	100	30
16A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	90	88	0	90	93	100	70	0	68	58	100	50
16B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
17A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	PRE	98	90	0	98	93	100	90	0	85	68	100	63
17B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP												
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
18A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	50	90	10	50	90	100	90	0	35	53	90	55
18B	LACTOFEN	2.00 E	0.200 lb/ac	EP												
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
19A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	93	73	33	98	90	100	88	0	80	53	63	50
19B	LACTOFEN	2.00 E	0.200 lb/ac	EP												
19C	CLETHODIM	0.94 EC	0.094 lb/ac	EP												
19D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
20A	KY 5000	7.50 L	1.120 lb/ac	PRE	95	85	0	95	88	100	73	0	80	55	100	53
20B	CHLORIM + LINURON	60.00 DF	0.750 lb/ac	PRE												
21A	KY 5000	7.50 L	1.120 lb/ac	PRE	90	73	0	90	78	100	58	0	75	50	100	43
21B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	PRE												
22A	KY 5000	7.50 L	1.120 lb/ac	PRE	100	80	0	100	83	100	68	0	83	35	100	45
22B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
23A	KY 5000	7.50 L	1.120 lb/ac	PRE	95	85	0	95	90	100	68	0	75	58	100	48
23B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
24	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	0	100	100	100	100
LSD(.05) :					5.6	15.5	11.4	5.9	14.5	4.9	10.7	NS	13.3	20.0	11.5	13.8

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PRE MAY 6
 EP MAY 21
 MP MAY 22

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
1	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	70	3	0	70	0	8	10	0	83	0	53	0
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	90	88	0	90	85	100	73	0	80	33	100	13
2B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI												
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	93	90	0	93	90	100	80	0	95	70	100	38
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI												
4	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI	58	83	0	58	88	100	55	0	8	30	100	5
5	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI	90	90	0	90	90	100	68	0	75	68	100	23
6A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	95	90	3	95	90	90	90	0	95	80	53	40
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
7	PENDAMETHALIN + IMAZ	2.33 EC	0.874 lb/ac	PPI	95	90	0	95	90	100	85	0	95	73	100	40
8	IMAZAQUIN + TRIFLURA	3.00 EC	0.874 lb/ac	PPI	100	90	0	100	90	100	83	0	95	68	95	53
9	TRIFLUR.+ METRIBUZIN	4.00 EC	1.120 lb/ac	PPI	98	40	0	98	48	100	58	0	95	5	100	48
10A	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PPI	100	90	0	100	90	100	88	0	100	78	100	43
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
11	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	95	8	0	95	0	48	30	0	98	0	100	45
12	TRIFLURALIN	4.00 E	0.850 lb/ac	PPI	93	8	0	93	0	43	45	0	100	0	98	73
13A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	98	90	0	98	90	100	88	0	90	85	100	53
13B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI												
14A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	100	90	0	100	90	100	90	0	100	75	100	70
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP												
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
15A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	95	90	3	95	90	90	90	0	98	55	90	45
15B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP												
15C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
16A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	95	88	0	95	88	98	78	0	93	33	100	38
16B	IMAZAQUIN	1.50 AS	0.062 lb/ac	PPI												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-----8 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
17A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	93	85	0	93	85	100	78	0	90	38	100	35
17B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI												
18A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	93	90	0	93	90	100	93	0	93	75	100	60
18B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI												
18C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
19A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	95	83	0	95	85	100	95	0	90	35	100	80
19B	F6285	4.00 F	0.375 lb/ac	PPI												
20A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	100	85	0	100	85	100	98	0	93	40	100	90
20B	F6285	4.00 F	0.500 lb/ac	PPI												
21A	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI	100	85	0	100	88	100	78	0	98	43	100	35
21B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI												
22A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	100	85	0	100	88	100	78	0	100	28	100	38
22B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI												
23A	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI	98	90	0	98	90	100	83	0	98	60	100	45
23B	IMAZAQUIN	1.50 AS	0.093 lb/ac	PPI												
24A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	100	90	0	100	90	100	83	0	100	45	100	40
24B	IMAZAQUIN	1.50 AS	0.062 lb/ac	PPI												
25A	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI	100	90	0	100	90	100	90	0	100	43	95	38
25B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP												
25C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
26A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	100	90	0	100	90	100	90	0	98	60	100	65
26B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP												
26C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
27A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	100	90	0	100	90	100	73	0	98	63	100	30
27B	IMAZAQUIN	1.50 AS	0.093 lb/ac	PPI												
28A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	98	80	0	98	85	75	55	0	100	30	100	3
28B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI												
29A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	98	35	0	98	38	80	48	0	100	0	100	33
29B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
30A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	98	90	3	98	90	100	90	0	98	63	100	38
30B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP												
30C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
31A	ALACHLOR + TRIFLUR.	3.00 E	2.630 lb/ac	PPI	90	85	0	90	85	100	78	0	80	48	100	33
31B	CHLOR. + METRI. 1:6	75.00 DF	0.281 lb/ac	PPI												
32A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	100	90	0	100	90	100	78	0	98	73	100	35
32B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI												
33A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	90	90	0	90	90	85	85	0	70	45	48	18
33B	CHLORIMURON	25.00 DF	0.004 lb/ac	MP												
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
34A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	90	90	3	90	90	100	90	0	73	53	100	23
34B	CHLORIMURON	25.00 DF	0.004 lb/ac	MP												
34C	DPX M6316	25.00 DF	0.004 lb/ac	MP												
34D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
35A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	100	90	3	100	90	100	90	0	98	75	100	55
35B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP												
35C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
36A	ETHALFLURALIN	3.00 E	0.940 lb/ac	PPI	100	90	0	100	90	100	90	0	100	75	100	60
36B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP												
36C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
37A	ETHALFLURALIN	3.00 E	0.940 lb/ac	PPI	98	90	5	98	90	98	90	0	98	58	100	58
37B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP												
37C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP												
38	TRIFLURALIN	60.00 DF	0.750 lb/ac	PPI	88	8	0	88	0	63	43	0	100	0	95	38
39A	TRIFLURALIN	60.00 DF	0.750 lb/ac	PPI	100	90	0	100	90	100	88	0	95	78	100	63
39B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI												
40A	TRIFLURALIN	60.00 DF	0.750 lb/ac	PPI	90	85	0	90	85	100	75	0	88	25	100	53
40B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI												
41	XRM-5339	80.00 DG	0.750 lb/ac	PPI	90	13	8	90	8	45	45	0	98	0	95	70
42A	XRM-5339	80.00 DG	0.750 lb/ac	PPI	98	90	0	98	90	100	80	0	90	83	100	60
42B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	XANOR	CHEAL	IPOHE
43	XRM-5313	3.63 EC	0.910 lb/ac	PPI	93	80	0	93	83	98	60	0	83	10	100	18
44	XRM-5313	3.63 EC	1.030 lb/ac	PPI	88	83	0	88	83	100	73	0	83	33	100	38
45A	BAS 514	75.00 DF	0.250 lb/ac	PPI	93	25	0	93	18	70	93	0	98	0	93	95
45B	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI												
46	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	0	100	100	100	100
LSD(.05) :					5.8	8.3	NS	5.8	10.1	19.3	17.2	NS	9.6	21.8	14.7	33.0

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PPI MAY 6
 EP MAY 21
 MP MAY 22

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1015 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	ABUTH
1A	BAS 514	75.00 DF	0.250 lb/ac	PPI	93	85	13	93	80	98	83
1B	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI							
1C	ESSEX	0.00	0.000 lb/ac	PPI							
2A	BAS 514	75.00 DF	0.250 lb/ac	PPI	90	83	5	90	83	100	88
2B	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI							
2C	PENNYRILE	0.00	0.000 lb/ac	PPI							
3A	BAS 514	75.00 DF	0.250 lb/ac	PPI	93	80	10	93	78	95	83
3B	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI							
3C	STAFFORD	0.00	0.000 lb/ac	PPI							
4A	BAS 514	75.00 DF	0.250 lb/ac	PPI	93	83	8	93	78	95	85
4B	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI							
4C	TN 4-86	0.00	0.000 lb/ac	PPI							
5A	CHECK WEED FREE	0.00 CK	0.000	.	100	100	0	100	100	100	100
5B	ESSEX	0.00	0.000 lb/ac	.							
6A	CHECK WEED FREE	0.00 CK	0.000	.	100	100	0	100	100	100	100
6B	PENNYRILE	0.00	0.000 lb/ac	.							
7A	CHECK WEED FREE	0.00 CK	0.000	.	100	100	0	100	100	100	100
7B	STAFFORD	0.00	0.000 lb/ac	.							
8A	CHECK WEED FREE	0.00 CK	0.000	.	100	100	0	100	100	100	100
8B	TN 4-86	0.00	0.000 lb/ac	.							
LSD(.05) :					4.4	11.5	7.8	11.0	NS	NS	6.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 8
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PPI MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----10 DAYS AFTER APPLIED-----									
					-3D-	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	SIDSP	POLPY
1A	CLETHODIM	0.94 EC	0.080 lb/ac 3" G		3	100	10	0	100	10	5	45	0	0
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 3" G											
2A	CLETHODIM	0.94 EC	0.080 lb/ac 6" G		0	28	10	0	28	8	5	43	0	0
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6" G											
3A	CLETHODIM	0.94 EC	0.080 lb/ac 12"		0	3	3	0	3	0	13	0	0	0
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 12"											
4A	CLETHODIM	0.94 EC	0.088 lb/ac 3" G		3	100	18	0	100	10	5	45	0	0
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 3" G											
5A	CLETHODIM	0.94 EC	0.088 lb/ac 6" G		0	50	0	0	50	0	0	13	0	0
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6" G											
6A	CLETHODIM	0.94 EC	0.088 lb/ac 12"		0	0	0	0	0	5	0	0	0	0
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 12"											
7A	CLETHODIM	0.94 EC	0.094 lb/ac 3LF		0	100	3	0	100	0	0	25	0	0
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 3LF											
8A	CLETHODIM	0.94 EC	0.095 lb/ac 3" G		0	100	15	0	100	45	25	70	25	25
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 3" G											
9A	CLETHODIM	0.94 EC	0.095 lb/ac 6" G		0	38	18	0	38	18	3	38	0	0
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6" G											
10A	CLETHODIM	0.94 EC	0.095 lb/ac 12"		0	0	0	0	0	0	0	0	0	0
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 12"											
11A	FENOXAPROP	1.00 EC	0.075 lb/ac MP		0	100	5	0	100	5	0	25	0	0
11B	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac MP											
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP											
12A	CLETHODIM	0.94 EC	0.094 lb/ac 3LF		35	100	90	35	100	93	100	98	83	98
12B	ACIFLUORFEN	2.00 L	0.500 lb/ac 3LF											
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac 3LF											
13A	CLETHODIM	0.94 EC	0.094 lb/ac 3LF		20	100	90	18	100	90	93	90	95	100
13B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac 3LF											
13C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac 3LF											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-3D-- -----10 DAYS AFTER APPLIED-----									
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	SIDSP	POLPY
14A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	40	100	85	33	100	90	95	93	100	78
14B	LACTOFEN	2.00 E	0.200 lb/ac	3LF										
14C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
15A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	5	100	18	0	100	38	5	33	48	0
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
16A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	20	100	78	10	100	90	45	100	53	100
16B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF										
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
17A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	53	100	90	63	100	93	100	95	85	100
17B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF										
17C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
18A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	20	100	90	23	100	90	93	95	95	100
18B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF										
18C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
19A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	38	100	88	35	100	93	93	90	98	75
19B	LACTOFEN	2.00 E	0.200 lb/ac	3LF										
19C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
20A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	3	100	10	0	100	8	0	25	0	5
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
21A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	15	93	73	3	93	100	50	98	65	100
21B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF										
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
22A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	55	100	90	50	100	90	100	95	80	100
22B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF										
22C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
23A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	33	100	90	25	100	90	98	98	95	100
23B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF										
23C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
24A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	35	100	83	25	100	95	98	90	100	73
24B	LACTOFEN	2.00 E	0.200 lb/ac	3LF										
24C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-30-- -----10 DAYS AFTER APPLIED-----									
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	SIDSP	POLPY
25A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	0	100	5	0	100	5	0	25	0	0
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
26A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	20	100	75	15	100	98	53	95	58	100
26B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF										
26C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
27A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	63	100	90	68	100	90	100	98	98	100
27B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF										
27C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
28A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	45	98	90	30	98	93	100	90	95	98
28B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF										
28C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
29A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	30	100	88	28	100	93	93	95	100	80
29B	LACTOFEN	2.00 E	0.200 lb/ac	3LF										
29C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF										
30A	LACTOFEN	2.00 E	0.100 lb/ac	EP	33	90	90	25	90	85	100	88	95	98
30B	DPX M6316	25.00 DF	0.004 lb/ac	EP										
30C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
30D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
30E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
31A	LACTOFEN	2.00 E	0.125 lb/ac	EP	35	85	88	33	85	83	100	88	95	100
31B	DPX M6316	25.00 DF	0.004 lb/ac	EP										
31C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
31D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
31E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
32A	LACTOFEN	2.00 E	0.100 lb/ac	EP	28	100	90	28	100	93	100	93	100	100
32B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP										
32C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
32D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
32E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
33A	LACTOFEN	2.00 E	0.125 lb/ac	EP	28	100	93	23	100	93	100	95	100	100
33B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP										
33C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
33D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
33E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-30--	-----10 DAYS AFTER APPLIED-----									
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	SIDSP	POLPY	
34A	LACTOFEN	2.00 E	0.125 lb/ac	EP	30	100	90	33	100	93	100	95	100	100	
34B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP											
34C	CLETHODIM	0.94 EC	0.094 lb/ac	EP											
34D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
35A	LACTOFEN	2.00 E	0.125 lb/ac	EP	35	98	90	33	98	88	100	93	100	100	
35B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP											
35C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
35D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D											
35E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D											
36A	LACTOFEN	2.00 E	0.125 lb/ac	EP	30	93	90	30	93	88	95	95	100	100	
36B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP											
36C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
36D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D											
36E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D											
37A	LACTOFEN	2.00 E	0.150 lb/ac	EP	25	85	90	25	85	95	98	83	98	100	
37B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP											
37C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
37D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D											
37E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D											
38A	LACTOFEN	2.00 E	0.125 lb/ac	EP	30	100	90	30	100	88	93	95	100	100	
38B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP											
38C	CLETHODIM	0.94 EC	0.094 lb/ac	EP											
38D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
39A	LACTOFEN	2.00 E	0.200 lb/ac	EP	28	100	83	30	100	80	90	98	98	83	
39B	SETHOXYDIM 2	1.00 E	0.500 lb/ac	EP											
39C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
40A	LACTOFEN	2.00 E	0.200 lb/ac	EP	28	100	83	23	100	83	95	93	98	80	
40B	CLETHODIM	0.94 EC	0.094 lb/ac	EP											
40C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
41A	LACTOFEN	2.00 E	0.200 lb/ac	EP	35	100	90	43	100	85	98	90	98	93	
41B	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	EP											
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP											
42A	LACTOFEN	2.00 E	0.200 lb/ac	EP	30	95	83	28	95	83	88	95	90	90	
42B	QUIZALOFOP	0.80 L	0.100 lb/ac	EP											
42C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----10 DAYS AFTER APPLIED-----									
					-3D- CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	SIDSP	POLPY
43A	LACTOFEN	2.00 E	0.150 lb/ac	EP	33	88	85	28	88	78	90	95	98	88
43B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
43C	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
43D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
44A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	EP	10	100	85	5	100	80	83	85	95	100
44B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
44C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP										
44D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
44E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
45A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP	10	100	90	10	100	90	98	93	83	100
45B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
45C	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
45D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
46A	CLETHODIM	0.94 EC	0.094 lb/ac	+7D	0	50	3	3	50	0	0	38	0	0
46B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
47A	V-23031	0.83 EC	0.026 lb/ac	EP	10	85	78	15	85	75	95	93	95	68
47B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
47C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP										
47D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
47E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
48A	V-23031	0.83 EC	0.053 lb/ac	EP	20	88	70	15	88	78	100	93	100	53
48B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
48C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP										
48D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
48E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
49A	V-23031	0.83 EC	0.026 lb/ac	EP	28	90	83	25	90	75	93	93	93	75
49B	LACTOFEN	2.00 E	0.100 lb/ac	EP										
49C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
49D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
49E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
50A	V-23031	0.83 EC	0.026 lb/ac	EP	33	98	88	28	98	78	98	90	100	85
50B	LACTOFEN	2.00 E	0.150 lb/ac	EP										
50C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
50D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
50E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-30-- -----10 DAYS AFTER APPLIED-----									
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	SIDSP	POLPY
51A	V-23031	0.83 EC	0.026 lb/ac	EP	13	100	90	15	100	85	100	95	100	100
51B	IMAZETHAPYR	2.00 AS	0.023 lb/ac	EP										
51C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
51D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP										
51E	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
51F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
52A	V-23031	0.83 EC	0.026 lb/ac	EP	10	100	85	18	100	80	100	90	100	100
52B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	EP										
52C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
52D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP										
52E	CLETHODIM	0.94 EC	0.094 lb/ac	+7D										
52F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D										
LSD(.05) :					8.1	NS	8.4	10.9	8.2	15.0	13.5	31.4	17.0	12.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : EP MAY 20
 MP MAY 22
 3" G, 3LF MAY 22
 6" G, +7D MAY 28
 12" JUNE 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	POLPY
1A	CLETHODIM	0.94 EC	0.080 lb/ac	3"G	100	3	0	100	3	0	0	0
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G								
2A	CLETHODIM	0.94 EC	0.080 lb/ac	6"G	93	0	0	93	0	0	0	0
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G								
3A	CLETHODIM	0.94 EC	0.080 lb/ac	12"	48	0	0	48	0	0	0	0
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"								
4A	CLETHODIM	0.94 EC	0.088 lb/ac	3"G	100	0	0	100	0	0	0	0
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G								
5A	CLETHODIM	0.94 EC	0.088 lb/ac	6"G	95	0	0	95	0	0	0	0
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G								
6A	CLETHODIM	0.94 EC	0.088 lb/ac	12"	48	3	0	48	3	0	0	0
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"								
7A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	100	0	0	100	0	0	5	0
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
8A	CLETHODIM	0.94 EC	0.095 lb/ac	3"G	100	8	0	100	8	0	0	0
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G								
9A	CLETHODIM	0.94 EC	0.095 lb/ac	6"G	95	3	0	95	3	0	0	0
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G								
10A	CLETHODIM	0.94 EC	0.095 lb/ac	12"	43	0	0	43	0	0	0	0
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"								
11A	FENOXAPROP	1.00 EC	0.075 lb/ac	MP	100	0	0	100	0	0	0	0
11B	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	MP								
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
12A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	100	93	25	100	93	100	98	95
12B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF								
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
13A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	100	85	8	100	88	90	88	95
13B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF								
13C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	POLPY
14A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	100	73	25	100	90	90	93	68
14B	LACTOFEN	2.00 E	0.200 lb/ac	3LF								
14C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
15A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	100	0	0	100	0	0	0	0
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
16A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	100	53	8	100	95	10	95	100
16B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF								
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
17A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	100	88	45	100	93	98	95	98
17B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF								
17C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
18A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	100	88	18	100	88	93	93	98
18B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF								
18C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
19A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	100	75	23	100	90	90	83	55
19B	LACTOFEN	2.00 E	0.200 lb/ac	3LF								
19C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
20A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	100	0	0	100	0	0	0	0
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
21A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	98	53	3	98	98	20	95	100
21B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF								
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
22A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	100	88	35	100	90	100	90	95
22B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF								
22C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
23A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	100	90	23	100	85	95	88	98
23B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF								
23C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
24A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	98	70	23	98	95	95	93	50
24B	LACTOFEN	2.00 E	0.200 lb/ac	3LF								
24C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	POLPY
25A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	75	0	0	75	0	0	0	0
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
26A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	100	53	8	100	95	18	95	100
26B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF								
26C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF								
27A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	100	90	50	100	90	95	93	100
27B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF								
27C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
28A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	98	93	25	98	95	100	90	98
28B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF								
28C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
29A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	98	83	25	98	90	90	93	68
29B	LACTOFEN	2.00 E	0.200 lb/ac	3LF								
29C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF								
30A	LACTOFEN	2.00 E	0.100 lb/ac	EP	95	83	13	95	83	100	83	100
30B	DPX M6316	25.00 DF	0.004 lb/ac	EP								
30C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP								
30D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D								
30E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D								
31A	LACTOFEN	2.00 E	0.125 lb/ac	EP	100	78	28	100	78	100	88	95
31B	DPX M6316	25.00 DF	0.004 lb/ac	EP								
31C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP								
31D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D								
31E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D								
32A	LACTOFEN	2.00 E	0.100 lb/ac	EP	100	93	15	100	93	98	100	100
32B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
32C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP								
32D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D								
32E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D								
33A	LACTOFEN	2.00 E	0.125 lb/ac	EP	100	85	13	100	88	100	95	100
33B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
33C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP								
33D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D								
33E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	POLPY
51A	V-23031	0.83 EC	0.026 lb/ac	EP	100	88	8	100	80	98	88	98
51B	IMAZETHAPYR	2.00 AS	0.023 lb/ac	EP								
51C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
51D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP								
51E	CLETHODIM	0.94 EC	0.094 lb/ac	+7D								
51F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D								
52A	V-23031	0.83 EC	0.026 lb/ac	EP	100	80	13	100	75	98	93	100
52B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	EP								
52C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
52D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP								
52E	CLETHODIM	0.94 EC	0.094 lb/ac	+7D								
52F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D								

LSD(.05) : 13.1 11.3 10.8 13.1 13.1 7.2 9.1 12.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : EP MAY 20
 MP MAY 22
 3" G, 3LF MAY 22
 6" G, +7D MAY 28
 12" JUNE 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	SIDSP	POLPY
1A	CLETHODIM	0.94 EC	0.080 lb/ac	3"G	0	100	0	0	0	0
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
2A	CLETHODIM	0.94 EC	0.080 lb/ac	6"G	0	100	0	0	0	0
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
3A	CLETHODIM	0.94 EC	0.080 lb/ac	12"	0	100	0	0	0	0
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"						
4A	CLETHODIM	0.94 EC	0.088 lb/ac	3"G	0	98	0	0	0	0
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
5A	CLETHODIM	0.94 EC	0.088 lb/ac	6"G	0	100	0	0	0	0
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
6A	CLETHODIM	0.94 EC	0.088 lb/ac	12"	0	95	0	0	0	0
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"						
7A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	0	100	0	0	0	0
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
8A	CLETHODIM	0.94 EC	0.095 lb/ac	3"G	0	100	5	25	0	0
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
9A	CLETHODIM	0.94 EC	0.095 lb/ac	6"G	0	100	0	0	0	0
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
10A	CLETHODIM	0.94 EC	0.095 lb/ac	12"	0	100	0	0	0	0
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"						
11A	FENOXAPROP	1.00 EC	0.075 lb/ac	MP	0	100	0	0	0	0
11B	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	MP						
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
12A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	3	100	65	85	20	90
12B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF						
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
13A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	0	95	40	75	88	98
13B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF						
13C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	SIDSP	POLPY
14A	CLETHODIM	0.94 EC	0.094 lb/ac	3LF	5	95	58	60	90	38
14B	LACTOFEN	2.00 E	0.200 lb/ac	3LF						
14C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
15A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	0	100	0	0	0	0
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
16A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	0	100	88	5	13	100
16B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF						
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
17A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	3	98	60	88	23	93
17B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF						
17C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
18A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	0	95	35	75	85	88
18B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF						
18C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
19A	QUIZALOFOP	0.80 L	0.087 lb/ac	3LF	3	90	68	50	98	15
19B	LACTOFEN	2.00 E	0.200 lb/ac	3LF						
19C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
20A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	0	100	0	0	0	0
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
21A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	0	100	83	0	23	100
21B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF						
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
22A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	8	98	48	95	3	95
22B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF						
22C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
23A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	0	93	38	88	63	98
23B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF						
23C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
24A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3LF	0	95	65	75	63	8
24B	LACTOFEN	2.00 E	0.200 lb/ac	3LF						
24C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	SIDSP	POLPY
25A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	0	100	0	0	0	0
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
26A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	0	100	90	0	43	100
26B	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF						
26C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF						
27A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	3	93	55	95	70	95
27B	ACIFLUORFEN	2.00 L	0.500 lb/ac	3LF						
27C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
28A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	0	93	60	88	80	90
28B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	3LF						
28C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
29A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3LF	0	98	70	58	73	50
29B	LACTOFEN	2.00 E	0.200 lb/ac	3LF						
29C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF						
30A	LACTOFEN	2.00 E	0.100 lb/ac	EP	0	100	20	63	60	75
30B	DPX M6316	25.00 DF	0.004 lb/ac	EP						
30C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
30D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
30E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
31A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	100	18	90	78	93
31B	DPX M6316	25.00 DF	0.004 lb/ac	EP						
31C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
31D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
31E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
32A	LACTOFEN	2.00 E	0.100 lb/ac	EP	0	98	63	95	93	98
32B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
32C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
32D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
32E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
33A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	98	40	93	95	98
33B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
33C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
33D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
33E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	SIDSP	POLPY
34A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	98	65	95	95	98
34B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
34C	CLETHODIM	0.94 EC	0.094 lb/ac	EP						
34D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
35A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	95	40	90	83	90
35B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP						
35C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
35D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
35E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
36A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	98	48	78	75	95
36B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
36C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
36D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
36E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
37A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	98	63	73	75	93
37B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
37C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
37D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
37E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
38A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	88	48	73	88	98
38B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
38C	CLETHODIM	0.94 EC	0.094 lb/ac	EP						
38D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
39A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	95	15	68	88	93
39B	SETHOXYDIM 2	1.00 E	0.500 lb/ac	EP						
39C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
40A	LACTOFEN	2.00 E	0.200 lb/ac	EP	3	90	18	63	60	63
40B	CLETHODIM	0.94 EC	0.094 lb/ac	EP						
40C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
41A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	88	35	75	68	85
41B	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	EP						
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
42A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	90	40	58	68	75
42B	QUIZALOFOP	0.80 L	0.100 lb/ac	EP						
42C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	SIDSP	POLPY
43A	LACTOFEN	2.00 E	0.150 lb/ac	EP	3	98	35	58	78	80
43B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
43C	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
43D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
44A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	EP	0	100	23	50	75	98
44B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
44C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
44D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
44E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
45A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP	0	100	55	93	45	100
45B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
45C	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
45D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
46A	CLETHODIM	0.94 EC	0.094 lb/ac	+7D	0	100	0	0	0	0
46B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
47A	V-23031	0.83 EC	0.026 lb/ac	EP	0	100	28	93	85	58
47B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
47C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
47D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
47E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
48A	V-23031	0.83 EC	0.053 lb/ac	EP	0	100	35	95	78	20
48B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
48C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
48D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
48E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
49A	V-23031	0.83 EC	0.026 lb/ac	EP	0	98	20	83	75	73
49B	LACTOFEN	2.00 E	0.100 lb/ac	EP						
49C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
49D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
49E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
50A	V-23031	0.83 EC	0.026 lb/ac	EP	0	100	38	73	43	68
50B	LACTOFEN	2.00 E	0.150 lb/ac	EP						
50C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP						
50D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
50E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	SIDSP	POLPY
51A	V-23031	0.83 EC	0.026 lb/ac	EP	0	100	38	98	93	88
51B	IMAZETHAPYR	2.00 AS	0.023 lb/ac	EP						
51C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
51D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
51E	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
51F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						
52A	V-23031	0.83 EC	0.026 lb/ac	EP	0	100	20	98	98	100
52B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	EP						
52C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
52D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
52E	CLETHODIM	0.94 EC	0.094 lb/ac	+7D						
52F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D						

LSD(.05) : 3.2 5.3 21.8 20.9 26.0 24.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : EP MAY 20
 MP MAY 22
 3" G, 3LF MAY 22
 6" G, +7D MAY 28
 12" JUNE 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH	
1A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	70	73	3	83	83	93	93	100	98	
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
2A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	80	80	0	78	75	93	90	100	100	
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
2C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP										
3A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	83	85	0	80	80	95	93	98	98	
3B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP										
3C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
4A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	90	90	5	75	73	98	93	95	95	
4B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP										
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP										
5A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	80	83	5	80	73	95	85	100	100	
5B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP										
5C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
6A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	88	88	3	75	78	100	88	100	100	
6B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP										
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
6D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP										
7A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	75	78	5	80	80	100	88	100	100	
7B	DPX M6316	25.00 DF	0.004 lb/ac	EP										
7C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
8A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	68	68	5	78	75	100	83	100	100	
8B	DPX M6316	25.00 DF	0.004 lb/ac	EP										
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
9A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	80	80	0	80	78	93	85	100	98	
9B	DPX M6316	25.00 DF	0.004 lb/ac	EP										
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
10A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	83	85	8	80	73	100	83	88	98	
10B	DPX M6316	25.00 DF	0.004 lb/ac	EP										
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
10D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
11A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	80	80	3	78	75	95	85	100	90
11B	DPX M6316	25.00 DF	0.004 lb/ac	EP									
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP									
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
12A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	75	80	5	73	75	100	83	100	100
12B	DPX M6316	25.00 DF	0.004 lb/ac	EP									
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP									
12D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
13A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	95	95	0	73	65	88	85	100	95
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP									
14A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	93	93	3	80	78	88	85	100	95
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP									
14C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
15A	BENTAZON	4.00 E	0.750 lb/ac	MP	98	98	5	80	85	98	88	80	98
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
15C	FLUAZIFOP-BUYTL	1.00 E	0.047 lb/ac	LP									
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
16A	BENTAZON	4.00 E	0.750 lb/ac	MP	100	100	0	78	80	95	80	80	98
16B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
16C	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	LP									
16D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
17A	BENTAZON	4.00 E	0.750 lb/ac	MP	93	98	8	78	83	90	80	83	100
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
17C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	LP									
17D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
18A	BENTAZON	4.00 E	0.750 lb/ac	MP	98	100	5	78	80	95	83	80	100
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
18C	FLUAZIFOP-BUYTL	1.00 E	0.250 lb/ac	LP									
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
19A	BENTAZON	4.00 E	0.750 lb/ac	MP	75	88	3	78	83	98	80	83	100
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
19C	SETHOXYDIM 2	1.00 E	0.024 lb/ac	LP									
19D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
20A	BENTAZON	4.00 E	0.750 lb/ac	MP	88	93	0	80	83	95	83	83	100
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
20C	SETHOXYDIM 2	1.00 E	0.047 lb/ac	LP									
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
21A	BENTAZON	4.00 E	0.750 lb/ac	MP	95	95	0	75	78	90	80	83	100
21B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
21C	SETHOXYDIM 2	1.00 E	0.094 lb/ac	LP									
21D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
22A	BENTAZON	4.00 E	0.750 lb/ac	MP	98	98	3	78	83	93	85	83	100
22B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
22C	SETHOXYDIM 2	1.00 E	0.188 lb/ac	LP									
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
23A	BENTAZON	4.00 E	0.750 lb/ac	MP	100	100	3	78	88	95	83	75	100
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
23C	QUIZALOFOP	0.80 L	0.088 lb/ac	LP									
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
24A	BENTAZON	4.00 E	0.750 lb/ac	MP	88	93	0	78	85	95	80	83	100
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
24C	QUIZALOFOP	0.80 E	0.006 lb/ac	LP									
24D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
25A	BENTAZON	4.00 E	0.750 lb/ac	MP	90	93	5	80	80	93	80	78	98
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
25C	QUIZALOFOP	0.80 E	0.013 lb/ac	LP									
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
26A	BENTAZON	4.00 E	0.750 lb/ac	MP	95	95	10	75	78	88	80	83	95
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
26C	QUIZALOFOP	0.80 E	0.025 lb/ac	LP									
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
27A	BENTAZON	4.00 E	0.750 lb/ac	MP	95	98	5	78	80	88	80	85	95
27B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
27C	QUIZALOFOP	0.80 E	0.050 lb/ac	LP									
27D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
28A	BENTAZON	4.00 E	0.750 lb/ac	MP	88	93	3	83	78	90	83	85	100
28B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
28C	CLETHODIM	0.94 EC	0.013 lb/ac	LP									
28D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
29A	BENTAZON	4.00 E	0.750 lb/ac MP		95	100	3	80	78	93	85	90	98
29B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
29C	CLETHODIM	0.94 EC	0.025 lb/ac LP										
29D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
30A	BENTAZON	4.00 E	0.750 lb/ac MP		93	95	0	75	80	95	80	83	98
30B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
30C	CLETHODIM	0.94 EC	0.050 lb/ac LP										
30D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
31A	BENTAZON	4.00 E	0.750 lb/ac MP		93	95	0	78	80	95	83	78	100
31B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
31C	CLETHODIM	0.94 EC	0.100 lb/ac LP										
31D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
32A	BENTAZON	4.00 E	0.750 lb/ac MP		88	90	3	75	83	93	85	83	100
32B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
32C	BRC 602	2.56 EC	0.020 lb/ac LP										
32D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
33A	BENTAZON	4.00 E	0.750 lb/ac MP		93	95	0	80	80	93	83	85	98
33B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
33C	BRC 602	2.56 EC	0.040 lb/ac LP										
33D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
34A	BENTAZON	4.00 E	0.750 lb/ac MP		93	93	0	73	78	85	78	85	100
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
34C	BRC 602	2.56 EC	0.080 lb/ac LP										
34D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
35A	BENTAZON	4.00 E	0.750 lb/ac MP		95	98	0	78	80	90	83	83	100
35B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
35C	BRC 602	2.56 EC	0.120 lb/ac LP										
35D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
36A	BENTAZON	4.00 E	0.750 lb/ac MP		95	98	0	73	83	90	90	75	98
36B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
36C	BRC 602	2.56 EC	0.160 lb/ac LP										
36D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
37A	BENTAZON	4.00 E	0.750 lb/ac MP		95	90	0	78	80	90	83	73	98
37B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP										
37C	BRC 602	2.56 EC	0.200 lb/ac LP										
37D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
38A	BENTAZON	4.00 E	0.750 lb/ac	MP	95	98	3	78	83	90	80	80	100
38B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
38C	BRC 602	2.56 EC	0.240 lb/ac	LP									
38D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
39A	BENTAZON	4.00 E	0.500 lb/ac	EP	58	53	38	88	88	100	93	100	98
39B	DPX M6316	25.00 DF	0.019 lb/ac	EP									
39C	DASH	0.00 AD	0.250 qt/ac	EP									
39D	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	EP									
40A	QUIZALOFOP	0.80 E	0.044 lb/ac	LP	95	100	3	80	88	73	83	100	98
40B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP									
40C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
41A	QUIZALOFOP	0.80 E	0.044 lb/ac	LP	95	98	5	85	88	88	88	95	100
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
41C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
42A	QUIZALOFOP	0.80 E	0.044 lb/ac	LP	85	90	8	88	93	85	83	100	100
42B	FOMESAFEN	2.00 LC	0.250 lb/ac	LP									
42C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	LP									
42D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
43A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	93	93	8	88	83	85	88	98	95
43B	SETHOXYDIM 2	1.00 E	0.063 lb/ac	MP									
43C	SUN-IT II	0.00 AD	1.000 qt/ac	MP									
44A	SETHOXYDIM 2	1.00 E	0.140 lb/ac	MP	100	100	15	60	55	93	75	90	85
44B	DASH	0.00 AD	1.000 qt/ac	MP									
45A	SETHOXYDIM 2	1.00 E	0.140 lb/ac	MP	88	93	8	73	73	80	85	100	95
45B	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP									
45C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
46A	BRC 602	2.56 EC	0.120 lb/ac	LP	95	93	5	85	93	75	88	100	98
46B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP									
46C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
47A	BRC 602	2.56 EC	0.160 lb/ac	LP	95	95	3	78	88	73	83	100	93
47B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP									
47C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
48A	BRC 602	2.56 EC	0.200 lb/ac	LP	95	98	8	75	90	75	88	100	93
48B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP									
48C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
49A	BRC 602	2.56 EC	0.120 lb/ac	LP	83	90	8	75	93	73	93	98	98
49B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP									
49C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
49D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP									
50A	BRC 602	2.56 EC	0.160 lb/ac	LP	93	95	5	78	90	78	88	95	100
50B	FOMESAFEN	2.00 LC	0.250 lb/ac	LP									
50C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
50D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP									
51A	BRC 602	2.56 EC	0.200 lb/ac	LP	90	93	5	78	90	78	85	100	100
51B	FOMESAFEN	2.00 LC	0.250 lb/ac	LP									
51C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
51D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP									
52A	BRC 602	2.56 EC	0.120 lb/ac	LP	93	98	3	85	95	85	88	100	98
52B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
52C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
53A	BRC 602	2.56 EC	0.160 lb/ac	LP	95	95	3	80	90	80	83	100	98
53B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
53C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
54A	BRC 602	2.56 EC	0.200 lb/ac	LP	88	93	3	83	95	80	85	100	95
54B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
54C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
55A	BRC 602	2.56 EC	0.120 lb/ac	LP	83	93	10	88	93	85	93	100	100
55B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
55C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
55D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP									
56A	BRC 602	2.56 EC	0.160 lb/ac	LP	83	93	5	88	90	88	93	100	100
56B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
56C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
56D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP									
57A	BRC 602	2.56 EC	0.200 lb/ac	LP	73	88	10	88	95	88	93	100	100
57B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP									
57C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP									
57D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
58A	BRC 602	2.56 EC	0.120 lb/ac LP		65	68	0	93	95	93	95	100	100
58B	FOMESAFEN	2.00 LC	0.250 lb/ac LP										
58C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP										
58D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
59A	BRC 602	2.56 EC	0.160 lb/ac LP		70	75	5	85	88	85	93	100	100
59B	FOMESAFEN	2.00 LC	0.250 lb/ac LP										
59C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP										
59D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
60A	BRC 602	2.56 EC	0.200 lb/ac LP		83	85	5	88	90	90	90	100	100
60B	FOMESAFEN	2.00 LC	0.250 lb/ac LP										
60C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP										
60D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP										
61A	BAS 514	75.00 DF	0.250 lb/ac EP		95	98	20	70	75	83	90	80	93
61B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac EP										
61C	SETHOXYDIM 2	1.00 E	0.188 lb/ac +7D										
61D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac +7D										
62A	BAS 514	75.00 DF	0.375 lb/ac EP		95	98	18	75	78	80	95	88	93
62B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac EP										
62C	SETHOXYDIM 2	1.00 E	0.188 lb/ac +7D										
62D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac +7D										
63A	BAS 514	75.00 DF	0.500 lb/ac EP		95	98	25	78	78	88	98	83	88
63B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac EP										
63C	SETHOXYDIM 2	1.00 E	0.188 lb/ac +7D										
63D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac +7D										
64	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100
LSD(.05) :					13.6	11.4	9.1	12.8	12.4	9.2	9.2	10.7	6.3

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P; 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EP MAY 20
 MP MAY 22
 +7D MAY 27
 LP MAY 28

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
1A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	48	45	70	68	90	83
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
2A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	65	45	85	78	100	93
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
2C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							
3A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	58	60	83	70	95	100
3B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP							
3C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
4A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	75	45	100	73	95	100
4B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP							
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							
5A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	55	43	85	70	100	100
5B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP							
5C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
6A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	78	43	100	75	100	100
6B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP							
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
6D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							
7A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	35	58	100	70	100	100
7B	DPX M6316	25.00 DF	0.004 lb/ac	EP							
7C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
8A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	20	48	100	73	100	100
8B	DPX M6316	25.00 DF	0.004 lb/ac	EP							
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
9A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	45	60	80	65	100	93
9B	DPX M6316	25.00 DF	0.004 lb/ac	EP							
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
10A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	43	48	100	60	93	93
10B	DPX M6316	25.00 DF	0.004 lb/ac	EP							
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
10D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
11A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	33	50	93	68	100	80
11B	DPX M6316	25.00 DF	0.004 lb/ac	EP							
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							
12A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	48	53	100	65	100	100
12B	DPX M6316	25.00 DF	0.004 lb/ac	EP							
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
12D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							
13A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	0	83	30	65	55	100	78
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
14A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	0	78	53	70	60	93	90
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
14C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP							
15A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	85	58	80	60	60	93
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
15C	FLUAZIFOP-BUYTL	1.00 E	0.047 lb/ac	LP							
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
16A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	58	80	50	48	83
16B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
16C	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	LP							
16D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
17A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	60	78	58	45	100
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
17C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	LP							
17D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
18A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	45	70	50	50	88
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
18C	FLUAZIFOP-BUYTL	1.00 E	0.250 lb/ac	LP							
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
19A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	73	65	83	65	58	100
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
19C	SETHOXYDIM 2	1.00 E	0.024 lb/ac	LP							
19D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
20A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	75	58	75	65	53	100
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
20C	SETHOXYDIM 2	1.00 E	0.047 lb/ac	LP							
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
21A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	55	63	58	60	93
21B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
21C	SETHOXYDIM 2	1.00 E	0.094 lb/ac	LP							
21D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
22A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	88	63	68	63	60	98
22B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
22C	SETHOXYDIM 2	1.00 E	0.188 lb/ac	LP							
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
23A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	63	85	55	43	90
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
23C	QUIZALOFOP	0.80 L	0.088 lb/ac	LP							
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
24A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	65	58	93	63	55	95
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
24C	QUIZALOFOP	0.80 E	0.006 lb/ac	LP							
24D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
25A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	78	58	75	58	38	93
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
25C	QUIZALOFOP	0.80 E	0.013 lb/ac	LP							
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
26A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	88	53	65	45	48	93
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
26C	QUIZALOFOP	0.80 E	0.025 lb/ac	LP							
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
27A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	88	53	58	58	50	88
27B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
27C	QUIZALOFOP	0.80 E	0.050 lb/ac	LP							
27D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
28A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	78	58	78	60	55	100
28B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
28C	CLETHODIM	0.94 EC	0.013 lb/ac	LP							
28D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
29A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	88	50	68	60	68	90
29B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
29C	CLETHODIM	0.94 EC	0.025 lb/ac	LP							
29D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
30A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	55	83	50	50	93
30B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
30C	CLETHODIM	0.94 EC	0.050 lb/ac	LP							
30D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
31A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	53	80	58	43	93
31B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
31C	CLETHODIM	0.94 EC	0.100 lb/ac	LP							
31D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
32A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	68	58	70	63	50	100
32B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
32C	BRC 602	2.56 EC	0.020 lb/ac	LP							
32D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
33A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	90	53	70	55	50	83
33B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
33C	BRC 602	2.56 EC	0.040 lb/ac	LP							
33D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
34A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	85	53	60	53	60	100
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
34C	BRC 602	2.56 EC	0.080 lb/ac	LP							
34D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
35A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	85	53	70	53	48	100
35B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
35C	BRC 602	2.56 EC	0.120 lb/ac	LP							
35D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
36A	BENTAZON	4.00 E	0.750 lb/ac MP		0	88	60	80	63	38	90
36B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP								
36C	BRC 602	2.56 EC	0.160 lb/ac LP								
36D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
37A	BENTAZON	4.00 E	0.750 lb/ac MP		0	90	53	70	55	43	90
37B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP								
37C	BRC 602	2.56 EC	0.200 lb/ac LP								
37D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
38A	BENTAZON	4.00 E	0.750 lb/ac MP		0	85	60	75	58	58	100
38B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac MP								
38C	BRC 602	2.56 EC	0.240 lb/ac LP								
38D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
39A	BENTAZON	4.00 E	0.500 lb/ac EP		0	0	75	100	98	100	100
39B	DPX M6316	25.00 DF	0.019 lb/ac EP								
39C	DASH	0.00 AD	0.250 qt/ac EP								
39D	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac EP								
40A	QUIZALOFOP	0.80 E	0.044 lb/ac LP		0	90	70	40	60	100	93
40B	FOMESAFEN	2.00 LC	0.313 lb/ac LP								
40C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
41A	QUIZALOFOP	0.80 E	0.044 lb/ac LP		0	80	78	63	68	100	100
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac LP								
41C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
42A	QUIZALOFOP	0.80 E	0.044 lb/ac LP		0	65	75	60	68	100	95
42B	FOMESAFEN	2.00 LC	0.250 lb/ac LP								
42C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP								
42D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
43A	IMAZETHAPYR	2.00 AS	0.063 lb/ac MP		0	88	60	65	65	93	80
43B	SETHOXYDIM 2	1.00 E	0.063 lb/ac MP								
43C	SUN-IT II	0.00 AD	1.000 qt/ac MP								
44A	SETHOXYDIM 2	1.00 E	0.140 lb/ac MP		0	83	28	78	53	85	93
44B	DASH	0.00 AD	1.000 qt/ac MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
45A	SETHOXYDIM 2	1.00 E	0.140 lb/ac	MP	3	83	45	60	60	93	93
45B	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP							
45C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP							
46A	BRC 602	2.56 EC	0.120 lb/ac	LP	0	90	75	38	65	98	93
46B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP							
46C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
47A	BRC 602	2.56 EC	0.160 lb/ac	LP	0	90	75	40	58	100	85
47B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP							
47C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
48A	BRC 602	2.56 EC	0.200 lb/ac	LP	0	83	80	33	60	100	80
48B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP							
48C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
49A	BRC 602	2.56 EC	0.120 lb/ac	LP	0	83	80	40	63	100	100
49B	FOMESAFEN	2.00 LC	0.313 lb/ac	LP							
49C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
49D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP							
50A	BRC 602	2.56 EC	0.160 lb/ac	LP	0	85	73	48	60	93	93
50B	FOMESAFEN	2.00 LC	0.250 lb/ac	LP							
50C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
50D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP							
51A	BRC 602	2.56 EC	0.200 lb/ac	LP	0	85	75	43	58	100	100
51B	FOMESAFEN	2.00 LC	0.250 lb/ac	LP							
51C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
51D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	LP							
52A	BRC 602	2.56 EC	0.120 lb/ac	LP	0	70	78	55	70	100	90
52B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP							
52C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							
53A	BRC 602	2.56 EC	0.160 lb/ac	LP	0	80	75	50	65	100	93
53B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP							
53C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
54A	BRC 602	2.56 EC	0.200 lb/ac LP		0	73	78	55	65	100	88
54B	IMAZETHAPYR	2.00 AS	0.063 lb/ac LP								
54C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
55A	BRC 602	2.56 EC	0.120 lb/ac LP		3	75	80	63	75	100	100
55B	IMAZETHAPYR	2.00 AS	0.063 lb/ac LP								
55C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
55D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac LP								
56A	BRC 602	2.56 EC	0.160 lb/ac LP		0	75	80	60	73	100	100
56B	IMAZETHAPYR	2.00 AS	0.063 lb/ac LP								
56C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
56D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac LP								
57A	BRC 602	2.56 EC	0.200 lb/ac LP		0	75	83	70	80	100	98
57B	IMAZETHAPYR	2.00 AS	0.063 lb/ac LP								
57C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
57D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac LP								
58A	BRC 602	2.56 EC	0.120 lb/ac LP		0	30	85	73	78	100	98
58B	FOMESAFEN	2.00 LC	0.250 lb/ac LP								
58C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP								
58D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
59A	BRC 602	2.56 EC	0.160 lb/ac LP		0	28	85	68	73	95	100
59B	FOMESAFEN	2.00 LC	0.250 lb/ac LP								
59C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP								
59D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
60A	BRC 602	2.56 EC	0.200 lb/ac LP		0	45	78	68	75	100	100
60B	FOMESAFEN	2.00 LC	0.250 lb/ac LP								
60C	IMAZETHAPYR	2.00 AS	0.032 lb/ac LP								
60D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac LP								
61A	BAS 514	75.00 DF	0.250 lb/ac EP		3	88	45	58	73	53	75
61B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac EP								
61C	SETHOXYDIM 2	1.00 E	0.188 lb/ac +7D								
61D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac +7D								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMACH	ABUTH
62A	BAS 514	75.00 DF	0.375 lb/ac	EP	5	88	48	55	80	65	63
62B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
62C	SETHOXYDIM 2	1.00 E	0.188 lb/ac	+7D							
62D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D							
63A	BAS 514	75.00 DF	0.500 lb/ac	EP	10	88	60	60	78	55	55
63B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
63C	SETHOXYDIM 2	1.00 E	0.188 lb/ac	+7D							
63D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D							
64	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100	100
LSD(.05) :					3.0	15.5	18.4	19.7	15.6	17.9	16.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 6
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EP MAY 20
 MP MAY 22
 +7D MAY 27
 LP MAY 28

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	DIGSA	SETFA	CRIN	DIGSA	SETFA
1A	CLETHODIM	0.94 EC	0.080 lb/ac	3" G	0	100	100	0	100	100
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3" G						
2A	CLETHODIM	0.94 EC	0.080 lb/ac	6" G	0	100	100	0	100	100
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G						
3A	CLETHODIM	0.94 EC	0.080 lb/ac	12"	0	83	95	0	100	98
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"						
4A	CLETHODIM	0.94 EC	0.088 lb/ac	3" G	0	100	100	0	100	100
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3" G						
5A	CLETHODIM	0.94 EC	0.088 lb/ac	6" G	0	100	100	0	100	100
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G						
6A	CLETHODIM	0.94 EC	0.088 lb/ac	12"	0	90	100	0	100	100
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"						
7A	CLETHODIM	0.94 EC	0.094 lb/ac	3" G	0	100	100	0	100	100
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3" G						
8A	CLETHODIM	0.94 EC	0.094 lb/ac	6" G	0	100	100	0	100	100
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G						
9A	CLETHODIM	0.94 EC	0.094 lb/ac	9" G	0	98	100	0	100	100
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9" G						
10A	CLETHODIM	0.94 EC	0.094 lb/ac	12"	0	88	95	0	100	100
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"						
11A	QUIZALOFOP	0.80 L	0.087 lb/ac	3" G	0	100	100	0	100	100
11B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3" G						
12A	QUIZALOFOP	0.80 L	0.087 lb/ac	6" G	0	100	100	0	100	100
12B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G						
13A	QUIZALOFOP	0.80 L	0.087 lb/ac	9" G	0	90	98	0	100	100
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9" G						
14A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3" G	0	100	100	0	100	100
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3" G						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	DIGSA	SETFA	CRIN	DIGSA	SETFA
15A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	6"G	0	100	100	0	100	100
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
16A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	9"G	0	98	100	0	100	100
16B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G						
17A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	3"G	0	100	100	0	100	100
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
18A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	6"G	0	100	100	0	100	100
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
19A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	9"G	0	100	100	0	100	100
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G						
20	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100
LSD(.05) :					NS	4.8	3.0	NS	NS	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 8
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 3.50 %
 DATE TREATED : 3"G MAY 24
 6"G MAY 28
 9"G JUNE 3
 12"G JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	CHEAL	IPOHE	SOLNI	SIDSP	ABUTH
1A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	77	0	100	97	77	90	93
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
1C	WILLIAMS 82	0.00	0.000 lb/ac	MP								
2A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	73	3	90	90	77	90	90
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
2C	W-20	0.00	0.000 lb/ac	MP								
3A	DPX M6316	25.00 DF	0.008 lb/ac	MP	100	67	0	100	93	67	93	97
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
3C	WILLIAMS 82	0.00	0.000 lb/ac	MP								
4A	DPX M6316	25.00 DF	0.008 lb/ac	MP	100	70	0	100	90	70	90	100
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
4C	W-20	0.00	0.000 lb/ac	MP								
5A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	67	0	100	93	67	87	93
5B	CHLORIMURON	25.00 DF	0.004 lb/ac	MP								
5C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
5D	WILLIAMS 82	0.00	0.000 lb/ac	MP								
6A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	63	0	100	93	63	87	97
6B	CHLORIMURON	25.00 DF	0.004 lb/ac	MP								
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
6D	W-20	0.00	0.000 lb/ac	MP								
7A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	80	0	100	93	80	90	97
7B	CHLORIMURON	25.00 DF	0.005 lb/ac	MP								
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
7D	WILLIAMS 82	0.00	0.000 lb/ac	MP								
8A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	80	0	97	90	80	87	100
8B	CHLORIMURON	25.00 DF	0.005 lb/ac	MP								
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
8D	W-20	0.00	0.000 lb/ac	MP								
9A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	70	0	100	90	70	87	100
9B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
9D	WILLIAMS 82	0.00	0.000 lb/ac	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	CHEAL	IPOHE	SOLNI	SIDSP	ABUTH
10A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	60	0	100	90	60	90	100
10B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
10D	W-20	0.00	0.000 lb/ac	MP								
11A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	80	0	100	93	80	90	100
11B	CHLORIMURON	25.00 DF	0.010 lb/ac	MP								
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
11D	WILLIAMS 82	0.00	0.000 lb/ac	MP								
12A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	83	0	100	93	83	90	100
12B	CHLORIMURON	25.00 DF	0.010 lb/ac	MP								
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
12D	W-20	0.00	0.000 lb/ac	MP								
13A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	70	0	100	93	70	83	100
13B	CHLORIMURON	25.00 DF	0.012 lb/ac	MP								
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
13D	WILLIAMS 82	0.00	0.000 lb/ac	MP								
14A	DPX M6316	25.00 DF	0.004 lb/ac	MP	100	70	0	100	90	70	83	100
14B	CHLORIMURON	25.00 DF	0.012 lb/ac	MP								
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
14D	W-20	0.00	0.000 lb/ac	MP								
15A	DPX M6316	25.00 DF	0.008 lb/ac	MP	100	67	0	100	90	67	90	100
15B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
15D	WILLIAMS 82	0.00	0.000 lb/ac	MP								
16A	DPX M6316	25.00 DF	0.008 lb/ac	MP	100	70	0	100	90	70	93	100
16B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
16D	W-20	0.00	0.000 lb/ac	MP								
17A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	100	73	0	80	90	77	87	100
17B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
17C	WILLIAMS 82	0.00	0.000 lb/ac	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	CHEAL	IPOHE	SOLNI	SIDSP	ABUTH
18A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	100	70	0	83	93	77	87	97
18B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
18C	W-20	0.00	0.000 lb/ac	MP								
19A	CHLORIMURON	25.00 DF	0.012 lb/ac	MP	100	67	0	83	90	77	80	100
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
19C	WILLIAMS 82	0.00	0.000 lb/ac	MP								
20A	CHLORIMURON	25.00 DF	0.012 lb/ac	MP	100	73	0	93	90	77	83	97
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
20C	W-20	0.00	0.000 lb/ac	MP								
21A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	100	90	0	90	90	100	90	100
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
21C	WILLIAMS 82	0.00	0.000 lb/ac	MP								
22A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	100	87	0	87	90	100	90	100
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
22C	W-20	0.00	0.000 lb/ac	MP								
23A	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP	100	90	0	93	90	100	87	100
23B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
23C	WILLIAMS 82	0.00	0.000 lb/ac	MP								
24A	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP	100	90	0	97	93	100	87	97
24B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
24C	W-20	0.00	0.000 lb/ac	MP								
25A	FOMESAFEN	2.00 LC	0.375 lb/ac	MP	100	90	0	100	93	100	90	100
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
25C	WILLIAMS 82	0.00	0.000 lb/ac	MP								
26A	FOMESAFEN	2.00 LC	0.375 lb/ac	MP	100	90	0	97	90	100	90	100
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
26C	W-20	0.00	0.000 lb/ac	MP								
27A	CHECK (CULTIVATED)	0.00 CK	0.000	MP	100	100	0	100	100	100	100	100
27B	WILLIAMS 82	0.00	0.000 lb/ac	MP								
28A	CHECK (CULTIVATED)	0.00 CK	0.000	MP	100	100	0	100	100	100	100	100
28B	W-20	0.00	0.000 lb/ac	MP								
LSD (.05) :					NS	17.5	NS	7.2	5.9	18.3	8.1	4.8

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 60 N,
DATE PLANTED : MAY 14
VARIETY : WILLIAMS 82 & W-20

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5 O.M. : 3.50 %
DATE TREATED : MP MAY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1023 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-8 WEEKS AFTER APPLIED-						
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	IPOHE	CRIN	SETFA	XANOR	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	77	47	0	80	47	83	57	0	67	27	53
1B	LACTOFEN	2.00 E	0.200 lb/ac	EP											
1C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP											
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	70	0	90	63	80	70	0	83	57	70
2B	FOMESAFEN	2.00 LC	0.375 lb/ac	EP											
2C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP											
3A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	90	70	0	90	77	80	53	0	83	70	50
3B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP											
3C	SUN-IT II	0.00 AD	1.000 qt/ac	MP											
4A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	57	0	80	70	87	57	3	77	73	43
4B	IMAZAQUIN	1.50 AS	0.062 lb/ac	EP											
4C	SUN-IT II	0.00 AD	1.000 qt/ac	EP											
5A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	77	57	0	80	70	87	50	0	77	80	43
5B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP											
5C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	70	0	80	73	90	63	7	73	73	53
6B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP											
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	77	67	7	77	70	87	70	0	70	60	60
7B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	MP											
7C	SUN-IT II	0.00 AD	1.000 qt/ac	MP											
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	63	77	0	67	77	90	70	0	53	67	47
8B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	LP											
8C	SUN-IT II	0.00 AD	1.000 qt/ac	LP											
9A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	70	73	0	77	67	80	80	0	73	60	73
9B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	MP											
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
10A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	70	80	0	73	80	93	73	3	73	77	67
10B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	LP											
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1023 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	IPOHE	CRIN	SETFA	XANOR	IPOHE
11A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	73	0	80	67	87	73	0	70	70	60
11B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP											
11C	FOMESAFEN	2.00 LC	0.188 lb/ac	MP											
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
11E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
12A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	83	83	0	83	87	90	80	0	73	87	60
12B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP											
12C	FOMESAFEN	2.00 LC	0.188 lb/ac	LP											
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
12E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	LP											
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	80	0	80	77	93	83	0	73	77	70
13B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP											
13C	FOMESAFEN	2.00 LC	0.250 lb/ac	MP											
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
13E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	83	73	0	83	77	93	70	0	73	67	60
14B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP											
14C	FOMESAFEN	2.00 LC	0.250 lb/ac	LP											
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP											
14E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	LP											
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	77	70	0	80	73	80	63	0	63	63	57
15B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP											
15C	LACTOFEN	2.00 E	0.090 lb/ac	MP											
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP											
16A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	63	0	80	70	93	60	0	73	70	53
16B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP											
16C	LACTOFEN	2.00 E	0.090 lb/ac	LP											
16D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP											
17A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	70	0	83	67	83	73	0	77	63	63
17B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP											
17C	LACTOFEN	2.00 E	0.125 lb/ac	MP											
17D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1023 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-					
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	IPOHE	CRIN	SETFA	XANOR	IPOHE
18A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	80	70	0	83	77	93	70	0	77	73	50
18B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP											
18C	LACTOFEN	2.00 E	0.125 lb/ac	LP											
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP											
19A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	87	80	0	90	80	90	83	0	90	83	77
19B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP											
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
19D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
20A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	87	70	0	87	67	83	77	0	77	67	77
20B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP											
20C	LACTOFEN	2.00 E	0.125 lb/ac	MP											
20D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
20E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
21A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	93	77	0	93	70	90	80	0	87	73	67
21B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP											
21C	LACTOFEN	2.00 E	0.094 lb/ac	MP											
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
21E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
22A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	93	77	0	93	77	90	77	0	80	70	73
22B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP											
22C	LACTOFEN	2.00 E	0.063 lb/ac	MP											
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
22E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
23A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	87	83	0	90	83	93	83	0	87	80	73
23B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP											
23C	FOMESAFEN	2.00 LC	0.250 lb/ac	MP											
23D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
23E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP											
24A	CHLORIMURON	25.00 DF	0.006 lb/ac	MP	3	77	3	3	77	90	70	0	0	67	67
24B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
25A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	3	80	7	3	77	93	77	3	13	77	80
25B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1034 SOYBEAN POSTEMERGENCE VI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK SETFA	8 WK SETFA
1A	CLETHODIM	0.94 EC	0.080 lb/ac	6" G	100	98
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G		
2A	CLETHODIM	0.94 EC	0.080 lb/ac	9" G	88	93
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9" G		
3A	CLETHODIM	0.94 EC	0.080 lb/ac	18"	73	63
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18"		
4A	CLETHODIM	0.94 EC	0.088 lb/ac	6" G	100	100
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G		
5A	CLETHODIM	0.94 EC	0.088 lb/ac	9" G	93	95
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9" G		
6A	CLETHODIM	0.94 EC	0.088 lb/ac	18"	70	63
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18"		
7A	CLETHODIM	0.94 EC	0.094 lb/ac	6" G	100	100
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G		
8A	CLETHODIM	0.94 EC	0.094 lb/ac	9" G	85	83
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9" G		
9A	CLETHODIM	0.94 EC	0.094 lb/ac	12"	78	80
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"		
10A	CLETHODIM	0.94 EC	0.094 lb/ac	18"	75	65
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18"		
11A	QUIZALOFOP	0.80 L	0.087 lb/ac	6" G	100	98
11B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G		
12A	QUIZALOFOP	0.80 L	0.087 lb/ac	9" G	83	88
12B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9" G		
13A	QUIZALOFOP	0.80 L	0.087 lb/ac	12"	75	73
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"		
14A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	6" G	100	100
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6" G		

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1034 SOYBEAN POSTEMERGENCE VI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK SETFA	8 WK SETFA
15A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	9"G	85	83
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G		
16A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	12"	60	43
16B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"		
17A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	6"G	100	98
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G		
18A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	9"G	73	78
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G		
19A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	12"	73	58
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12"		
20	CHECK (CULTIVATED)	0.00 CK	0.000		100	100
LSD(.05) :					9.8	15.0

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N, 60 P, 60 K, pH : 6.5
 DATE PLANTED :
 VARIETY :
 SOIL TYPE : MAURY SILT LOAM
 DATE TREATED : 6"G MAY 24
 9"G MAY 30
 12" JUNE 1
 18" JUNE 3
 O.M. : 3.50 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1030 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----3 DAYS-----			-----10 DAYS-----			-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH
1A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	0	0	0	0	0	5	63	100	0	48	100
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP												
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
1D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP												
2A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	0	0	0	0	0	5	73	100	0	53	100
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP												
2C	LACTOFEN	2.00 E	0.063 lb/ac	MP												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
2E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP												
3A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	0	0	0	0	0	3	93	83	0	93	65
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
4A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	0	0	0	0	0	3	100	95	0	95	88
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
4C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP												
5A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	0	0	0	0	0	10	85	90	0	65	88
5B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP												
5C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
6A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	0	0	0	0	0	5	88	93	0	68	90
6B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP												
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
7A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	0	0	0	0	0	20	100	85	0	95	78
7B	DPX M6316	25.00 DF	0.004 lb/ac	EP												
7C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP												
8A	CLETHODIM	0.94 EC	0.094 lb/ac	+1D	0	0	0	0	0	0	0	0	0	0	0	18
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
9A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	3LF	0	0	0	0	0	0	5	80	90	0	68	88
9B	CLETHODIM	0.94 EC	0.094 lb/ac	3LF												
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF												
10A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	5LF	0	0	0	0	0	0	5	70	73	0	58	83
10B	CLETHODIM	0.94 EC	0.094 lb/ac	5LF												
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1030 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----3 DAYS-----			-----10 DAYS-----			-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH
11A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	7LF	0	0	0	0	0	0	13	43	93	0	50	95
11B	CLETHODIM	0.94 EC	0.094 lb/ac	7LF												
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	7LF												
12A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	3LF	23	93	95	23	93	98	3	90	98	0	78	95
12B	V-23031	0.83 EC	0.026 lb/ac	3LF												
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF												
12D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	3LF												
12E	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
12F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
13A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	5LF	15	78	100	10	88	100	0	68	100	0	60	100
13B	V-23031	0.83 EC	0.026 lb/ac	5LF												
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LF												
13D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LF												
13E	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
13F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
14A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	7LF	10	43	90	5	30	100	5	30	100	0	35	100
14B	V-23031	0.83 EC	0.026 lb/ac	7LF												
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	7LF												
14D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	7LF												
14E	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
14F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
15A	BENTAZON	4.00 E	0.500 lb/ac	3LF	28	98	98	20	93	90	3	90	90	0	85	88
15B	V-23031	0.83 EC	0.026 lb/ac	3LF												
15C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF												
15D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
16A	BENTAZON	4.00 E	0.500 lb/ac	5LF	15	88	100	15	93	98	3	88	93	0	70	95
16B	V-23031	0.83 EC	0.026 lb/ac	5LF												
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LF												
16D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1030 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----3 DAYS-----			-----10 DAYS-----			-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH
17A	BENTAZON	4.00 E	0.500 lb/ac	7LF	20	58	93	10	70	98	3	50	98	0	45	98
17B	V-23031	0.83 EC	0.026 lb/ac	7LF												
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	7LF												
17D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
18A	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF	30	90	90	25	85	95	3	83	98	0	48	95
18B	V-23031	0.83 EC	0.026 lb/ac	3LF												
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF												
18D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
19A	CHLORIMURON	25.00 DF	0.008 lb/ac	5LF	20	73	95	20	80	100	3	60	100	0	35	98
19B	V-23031	0.83 EC	0.026 lb/ac	5LF												
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LF												
19D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
20A	CHLORIMURON	25.00 DF	0.008 lb/ac	7LF	10	50	90	13	35	100	13	35	100	0	40	100
20B	V-23031	0.83 EC	0.026 lb/ac	7LF												
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	7LF												
20D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
21A	LACTOFEN	2.00 E	0.100 lb/ac	EP	0	0	0	0	0	0	5	90	93	0	78	93
21B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
21C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP												
21D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D												
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D												
22A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	0	0	0	0	0	8	98	100	0	85	98
22B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
22C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP												
22D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D												
22E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D												
23A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	0	0	0	0	0	18	68	93	0	28	93
23B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP												
23C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP												
23D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D												
23E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1030 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----3 DAYS-----			-----10 DAYS-----			-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH	CRIN	CHEAL	ABUTH
24A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	0	0	0	0	0	13	73	90	0	35	90
24B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP												
24C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP												
24D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D												
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D												
25A	LACTOFEN	2.00 E	0.100 lb/ac	3LF	43	95	93	38	90	88	13	83	85	0	50	85
25B	V-23031	0.83 EC	0.026 lb/ac	3LF												
25C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	3LF												
25D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
25E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
26A	LACTOFEN	2.00 E	0.100 lb/ac	5LF	38	85	98	28	90	100	8	60	98	0	18	100
26B	V-23031	0.83 EC	0.026 lb/ac	5LF												
26C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	5LF												
26D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
26E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
27A	LACTOFEN	2.00 E	0.100 lb/ac	7LF	18	60	95	10	50	100	10	38	100	0	33	100
27B	V-23031	0.83 EC	0.026 lb/ac	7LF												
27C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	7LF												
27D	CLETHODIM	0.94 EC	0.094 lb/ac	+1D												
27E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+1D												
28	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	0	100	100	0	100	100
LSD(.05) :					6.4	12.1	5.8	6.9	12.9	3.1	7.1	21.8	7.3			

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 8
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PRE MAY 8
 EP, 3LF MAY 24
 +1D MAY 25
 +7D MAY 31
 MP, 5LF MAY 28
 +1D MAY 29
 7LF JUNE 5
 +1D JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----											
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS
1A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	98	93	0	100	98	100	95	90	93	100	100	100
1B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	2WP												
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2WP												
2A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	98	88	0	98	90	100	93	95	100	100	98	98
2B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
2C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP												
3A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	93	85	0	90	95	100	93	98	100	95	98	90
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
3C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP												
3D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP												
4A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	98	90	0	98	100	98	95	98	95	98	98	100
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
4C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP												
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP												
5A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	100	93	0	95	95	100	100	98	98	100	98	98
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
5D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP												
6A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	83	73	13	95	100	100	95	100	100	93	100	100
6B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
6C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP												
7A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	100	68	0	100	25	100	85	100	95	100	100	98
7B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
7C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP												
7D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP												
8A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	100	93	15	100	75	100	100	98	100	98	100	98
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
8C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP												
8D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP												
9A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	85	75	0	88	100	100	100	88	98	95	100	98
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----												
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS	
10A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	95	18	5	98	100	25	100	90	95	100	40	90	
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP													
10C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP													
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP													
11A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	95	73	0	93	75	100	90	90	98	95	100	98	
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP													
11C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP													
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP													
12A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	93	85	0	90	85	100	90	80	100	98	100	95	
12B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	4WP													
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP													
13A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	95	85	0	93	100	100	93	93	95	90	100	90	
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP													
13C	PARQUAT	2.50 E	0.470 lb/ac	4WP													
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP													
14A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	88	83	0	88	85	100	90	88	95	93	100	85	
14B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP													
14C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP													
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP													
15A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	98	78	0	93	95	100	98	98	85	95	95	88	
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP													
15C	PARQUAT	2.50 E	0.470 lb/ac	4WP													
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP													
16A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	95	60	0	85	95	95	90	98	95	95	75	90	
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP													
16C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP													
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP													
17	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	85	85	0	63	88	100	98	95	95	90	95	100	
18A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	95	90	0	93	90	100	95	88	95	75	98	100	
18B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP													
19A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	95	95	0	90	95	100	100	98	95	90	100	100	
19B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP													
19C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP													

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----											
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS
20A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	95	93	0	93	100	100	95	95	90	98	100	98
20B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP												
20C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP												
21A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	95	90	0	90	100	100	100	98	65	98	100	100
21B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP												
22A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	95	95	0	90	95	100	100	98	98	95	100	98
22B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP												
23A	IMAZETHAPYR + PENDIM	3.00 E	0.870 lb/ac	4WP	100	95	0	95	98	100	100	98	90	100	100	100
23B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP												
24A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	85	90	0	75	98	100	98	90	93	93	100	98
24B	PARAQUAT	2.50 E	0.470 lb/ac	4WP												
24C	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP												
25A	IMAZAQUIN	1.50 AS	0.083 lb/ac	4WP	93	93	0	93	98	100	100	80	93	98	100	100
25B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP												
25C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP												
25D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP												
25E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
26A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	90	85	0	83	88	98	100	90	88	85	100	100
26B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP												
26C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP												
27A	IMAZAQUIN	1.50 AS	0.083 lb/ac	2WP	85	83	0	78	93	100	95	98	73	50	100	100
27B	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP												
27C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP												
27D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP												
27E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
28A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	83	78	0	70	88	100	98	90	75	85	100	100
28B	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP												
28C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP												
29A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	88	88	0	78	93	100	95	100	85	70	100	100
29B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP												
29C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP												
29D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----												
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS	
30A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	85	80	0	78	95	100	98	98	53	68	100	98	
30B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP													
30C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP													
30D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP													
31A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	88	85	0	83	100	100	95	95	83	60	100	100	
31B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP													
31C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP													
31D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP													
32A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	80	83	0	65	95	100	98	95	78	83	100	100	
32B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP													
32C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP													
32D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP													
33A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	98	23	3	95	100	78	100	100	100	98	30	100	
33B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE													
33C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP													
33D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP													
33E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP													
34A	METALACHLOR + METRIB	8.00 EC	2.500 lb/ac	4WP	90	80	0	90	100	100	93	90	95	88	100	93	
34B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP													
34C	METALACHLOR + METRIB	8.00 EC	1.000 lb/ac	PRE													
35A	BAS 514	75.00 DF	1.000 lb/ac	2WP	95	78	0	93	98	100	93	98	100	90	100	95	
35B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	2WP													
35C	PARAQUAT	2.50 E	0.470 lb/ac	2WP													
35D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP													
36A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	2WP	95	83	0	98	100	98	98	93	98	95	100	93	
36B	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP													
36C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP													
36D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP													

LSD(.05) : 10.9 18.0 2.5 18.7 25.1 13.1 8.4 NS 21.6 26.1 11.9 7.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : 4WP APRIL 16
 2WP MAY 2
 PRE MAY 13
 MP JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----									
					CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS
1A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	25	93	98	100	90	95	98	100	98	100
1B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	2WP										
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2WP										
2A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	90	68	100	95	90	100	98	98	95
2B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
2C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP										
3A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	90	95	100	98	88	93	98	100	95
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
3C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP										
3D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
4A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	90	100	100	95	95	100	95	100	78
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
4C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
5A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	90	95	100	98	95	100	98	100	95
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP										
5D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
6A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	38	95	100	95	98	95	100	95	98	95
6B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
6C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP										
7A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	0	95	23	100	80	98	98	95	100	98
7B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
7C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP										
7D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
8A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	0	98	73	100	100	100	100	95	100	95
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
8C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
8D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
9A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	0	88	98	98	98	100	100	98	100	95
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP										
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----									
					CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS
10A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	98	100	40	95	98	100	100	35	100
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP										
10C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP										
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP										
11A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	88	83	100	95	85	98	95	100	95
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP										
11C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP										
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP										
12A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	85	75	98	73	88	95	93	100	88
12B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	4WP										
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP										
13A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	85	100	100	100	80	95	88	100	80
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP										
13C	PARAQUAT	2.50 E	0.470 lb/ac	4WP										
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP										
14A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	85	75	100	93	93	100	98	100	90
14B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP										
14C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP										
15A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	93	93	98	98	90	100	98	98	78
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP										
15C	PARAQUAT	2.50 E	0.470 lb/ac	4WP										
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP										
16A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	90	98	98	98	98	95	95	53	98
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP										
16C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP										
17	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	60	93	100	98	95	98	93	98	95
18A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	90	88	100	98	95	90	98	100	100
18B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP										
19A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	88	98	100	100	98	93	93	100	100
19B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP										
19C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----									
					CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS
20A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	90	100	100	98	95	95	95	100	100
20B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP										
20C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
21A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	88	100	100	98	95	73	95	100	100
21B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP										
22A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	90	100	100	98	95	100	93	100	98
22B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
23A	IMAZETHAPYR + PENDIM	3.00 E	0.870 lb/ac	4WP	0	90	98	100	100	95	100	95	100	98
23B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
24A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	73	100	100	100	93	98	93	100	100
24B	PARAQUAT	2.50 E	0.470 lb/ac	4WP										
24C	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP										
25A	IMAZAQUIN	1.50 AS	0.083 lb/ac	4WP	0	90	98	100	98	90	93	93	100	100
25B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP										
25C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
25D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP										
25E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
26A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	75	88	100	90	95	95	93	100	100
26B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP										
26C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP										
27A	IMAZAQUIN	1.50 AS	0.083 lb/ac	2WP	0	73	90	100	95	100	95	53	100	93
27B	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
27C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
27D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP										
27E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
28A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	0	68	88	100	93	88	85	93	98	100
28B	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
28C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
29A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	0	63	93	100	98	93	98	95	100	100
29B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP										
29C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
29D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----									
					CRIN	SETFA	XANOR	CHEAL	IPOHE	IPOLA	SOLNI	SIDSP	ERICA	ACCOS
30A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	0	68	98	100	95	98	63	93	100	100
30B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP										
30C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
30D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
31A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	0	78	100	100	98	100	93	90	100	98
31B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP										
31C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
31D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
32A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	0	55	90	100	98	98	95	98	100	98
32B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP										
32C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
32D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
33A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	98	100	75	98	95	100	98	23	95
33B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
33C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP										
33D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
33E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP										
34A	METALACHLOR + METRIB	8.00 EC	2.500 lb/ac	4WP	0	93	100	100	93	98	100	90	100	98
34B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP										
34C	METALACHLOR + METRIB	8.00 EC	1.000 lb/ac	PRE										
35A	BAS 514	75.00 DF	1.000 lb/ac	2WP	0	90	98	100	93	98	100	88	100	90
35B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	2WP										
35C	PARAQUAT	2.50 E	0.470 lb/ac	2WP										
35D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP										
36A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	2WP	0	90	100	100	93	95	100	88	100	78
36B	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP										
36C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP										
36D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										

LSD(.05) : 14.4 20.2 26.5 16.3 NS NS NS 14.2 15.4 14.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : 4WP APRIL 16
 2WP MAY 2
 PRE MAY 13
 MP JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	SAZCY	IPOHE	IPOLA	SOLNI	SIDSP	POLPY
1A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	98	85	0	98	78	90	100	98	93	100
1B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	2WP										
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2WP										
2A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	100	55	0	98	65	93	75	100	68	98
2B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
2C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP										
3A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	93	80	0	93	83	100	90	98	85	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
3C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP										
3D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
4A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	93	83	0	93	85	83	83	93	88	100
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
4C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
5A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	98	78	0	98	70	85	58	98	90	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP										
5D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
6A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	68	33	8	70	68	85	65	70	48	25
6B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
6C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP										
7A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	95	68	0	95	58	80	48	98	98	100
7B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
7C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP										
7D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
8A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	95	93	8	95	85	100	95	100	95	95
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
8C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
8D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										
9A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	13	55	0	13	95	100	48	40	65	100
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP										
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP										
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	SAZCY	IPOHE	IPOLA	SOLNI	SIDSP	POLPY
10A	TRIFLURALIN	4.00 E	1.500 lb/ac 4WP		93	80	0	93	90	90	98	98	93	93
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac 4WP											
10C	2,4 D ESTER	4.00 E	1.000 lb/ac 4WP											
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 4WP											
11A	ETHALFLURALIN	3.00 E	1.500 lb/ac 4WP		75	85	0	75	90	100	95	95	95	80
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac 4WP											
11C	2,4 D ESTER	4.00 E	1.000 lb/ac 4WP											
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 4WP											
12A	TRIFLURALIN	4.00 E	1.500 lb/ac 4WP		98	78	0	98	65	95	100	100	95	88
12B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac 4WP											
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 4WP											
13A	TRIFLURALIN	4.00 E	1.500 lb/ac 4WP		73	85	0	75	83	93	100	100	85	98
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac 4WP											
13C	PARAQUAT	2.50 E	0.470 lb/ac 4WP											
13D	X-77 (SURFACTANT)	0.50 WA	0.250 % 4WP											
14A	TRIFLURALIN	4.00 E	1.500 lb/ac 4WP		88	73	0	88	100	88	75	98	68	98
14B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac 4WP											
14C	GLYPHOSATE	4.00 E	0.750 lb/ac 4WP											
14D	X-77 (SURFACTANT)	0.50 WA	0.250 % 4WP											
15A	ETHALFLURALIN	3.00 E	1.500 lb/ac 4WP		98	63	0	98	83	88	83	98	60	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac 4WP											
15C	PARAQUAT	2.50 E	0.470 lb/ac 4WP											
15D	X-77 (SURFACTANT)	0.50 WA	0.250 % 4WP											
16A	ETHALFLURALIN	3.00 E	1.500 lb/ac 4WP		90	63	0	90	68	98	83	98	88	88
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac 4WP											
16C	GLYPHOSATE	4.00 E	0.750 lb/ac 4WP											
16D	X-77 (SURFACTANT)	0.50 WA	0.250 % 4WP											
17	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac 4WP		23	80	0	23	100	98	93	60	85	100
18A	IMAZAQUIN	1.50 AS	0.125 lb/ac 4WP		40	83	0	40	98	98	83	93	78	100
18B	METOLACHLOR	8.00 E	2.000 lb/ac 4WP											
19A	IMAZAQUIN	1.50 AS	0.125 lb/ac 4WP		93	93	0	93	95	100	100	83	93	100
19B	METOLACHLOR	8.00 E	2.000 lb/ac 4WP											
19C	2,4 D ESTER	4.00 E	1.000 lb/ac 4WP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	SETFA	SAZCY	IPONE	IPOLA	SOLNI	SIDSP	POLPY	
20A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	90	88	0	90	88	98	85	88	88	100	
20B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP											
20C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP											
21A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	95	83	0	95	98	100	80	90	93	100	
21B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP											
22A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	30	78	0	30	98	83	80	100	95	100	
22B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP											
23A	IMAZETHAPYR + PENDIM	3.00 E	0.870 lb/ac	4WP	90	90	0	90	95	93	98	73	85	100	
23B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP											
24A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	90	93	0	90	98	95	98	95	90	100	
24B	PARAQUAT	2.50 E	0.470 lb/ac	4WP											
24C	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP											
25A	IMAZAQUIN	1.50 AS	0.083 lb/ac	4WP	90	90	0	90	100	93	100	93	93	100	
25B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP											
25C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP											
25D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP											
25E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
26A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	70	70	0	73	98	100	90	30	75	98	
26B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP											
26C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP											
27A	IMAZAQUIN	1.50 AS	0.083 lb/ac	2WP	73	60	0	73	90	98	90	45	65	100	
27B	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP											
27C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP											
27D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP											
27E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP											
28A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	73	65	0	73	83	100	80	35	68	100	
28B	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP											
28C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP											
29A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	83	55	0	85	90	93	68	48	65	100	
29B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP											
29C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP											
29D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	SAZCY	IPOHE	IPOLA	SOLNI	SIDSP	POLPY
30A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	83	48	0	83	83	98	95	10	93	100
30B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP										
30C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
30D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
31A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	83	68	0	85	90	100	90	33	80	100
31B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP										
31C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
31D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
32A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	68	38	0	70	73	75	48	18	70	88
32B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP										
32C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP										
32D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP										
33A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	88	83	0	88	85	95	93	98	90	100
33B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
33C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP										
33D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
33E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP										
34A	METALACHLOR + METRIB	8.00 EC	2.500 lb/ac	4WP	90	85	0	90	95	95	88	100	95	100
34B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP										
34C	METALACHLOR + METRIB	8.00 EC	1.000 lb/ac	PRE										
35A	BAS 514	75.00 DF	1.000 lb/ac	2WP	98	90	0	98	68	98	93	98	98	100
35B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	2WP										
35C	PARAQUAT	2.50 E	0.470 lb/ac	2WP										
35D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP										
36A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	2WP	90	80	0	90	78	95	75	98	90	100
36B	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP										
36C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP										
36D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										

LSD(.05) : 18.7 24.0 3.7 19.1 NS NS NS 28.4 26.5 14.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 4.50 %
 DATE TREATED : 4WP APRIL 16
 2WP MAY 2
 PRE MAY 13
 MP JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 - MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	SAZCY	IPOHE	IPOLA	SOLNI	SIDSP	ACCOS
1A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	88	95	95	100	98	95	95
1B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	2WP								
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2WP								
2A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	98	95	95	88	100	75	88
2B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
2C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP								
3A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	98	93	100	95	98	93	88
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
3C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP								
3D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP								
4A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	93	98	93	73	100	83	95
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
4C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP								
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP								
5A	ALACHLOR	4.00 MT	2.500 lb/ac	2WP	0	95	95	98	83	100	95	88
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP								
5D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP								
6A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	20	98	95	93	90	90	93	95
6B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
6C	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP								
7A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	0	93	95	98	80	100	98	95
7B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
7C	GLYPHOSATE	4.00 E	0.500 lb/ac	2WP								
7D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP								
8A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	0	90	93	100	98	100	95	90
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
8C	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP								
8D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP								
9A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	2WP	8	50	98	100	83	98	95	100
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP								
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP								
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	2WP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	SAZCY	IPOHE	IPOLA	SOLNI	SIDSP	ACCOS
10A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	93	95	98	98	100	95	95
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP								
10C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP								
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP								
11A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	88	95	95	95	100	98	95
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP								
11C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP								
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP								
12A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	93	90	100	100	100	93	93
12B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	4WP								
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP								
13A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	85	93	98	100	98	98	98
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP								
13C	PARAQUAT	2.50 E	0.470 lb/ac	4WP								
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP								
14A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	90	95	93	93	100	90	95
14B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP								
14C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP								
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP								
15A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	93	100	98	90	100	88	93
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP								
15C	PARAQUAT	2.50 E	0.470 lb/ac	4WP								
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP								
16A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	90	90	95	90	98	98	90
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP								
16C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP								
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP								
17	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	0	98	100	98	100	100	100
18A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	10	95	100	95	98	95	100
18B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP								
19A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	90	93	100	98	88	90	98
19B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP								
19C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1018 MINIMUM TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	SAZCY	IPOHE	IPOLA	SOLNI	SIDSP	ACCOS
30A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	0	78	98	98	93	53	93	98
30B	METRIBUZIN 1	75.00 DF	0.165 lb/ac	2WP								
30C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP								
30D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP								
31A	IMAZAQUIN	1.50 AS	0.094 lb/ac	2WP	0	73	88	95	95	63	90	100
31B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP								
31C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP								
31D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP								
32A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	0	58	98	98	93	58	95	100
32B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	2WP								
32C	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP								
32D	GLYPHOSATE	4.00 E	0.750 lb/ac	2WP								
33A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	90	98	98	98	98	93	90
33B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
33C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
33D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
33E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP								
34A	METALACHLOR + METRIB	8.00 EC	2.500 lb/ac	4WP	0	78	95	95	95	100	95	95
34B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP								
34C	METALACHLOR + METRIB	8.00 EC	1.000 lb/ac	PRE								
35A	BAS 514	75.00 DF	1.000 lb/ac	2WP	0	95	93	98	95	100	98	98
35B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	2WP								
35C	PARAQUAT	2.50 E	0.470 lb/ac	2WP								
35D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP								
36A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	2WP	0	95	93	98	93	100	93	98
36B	2,4 D ESTER	4.00 E	1.000 lb/ac	2WP								
36C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
36D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
LSD(.05) :					4.8	21.2	NS	NS	NS	25.0	NS	8.8

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 4.50 %
 DATE TREATED : 4WP APRIL 16
 2WP MAY 2
 PRE MAY 13
 MP JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----7 DAYS AFTER APPLIED----				
					GGGGG	BBBBB	SETFA	IPOHE	ERICA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	98	100	100	98
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE					
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	80	88	80	100	93
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE					
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	95	100	100	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE					
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	78	55	78	100	60
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	88	45	88	100	70
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	60	50	60	100	70
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	100	95	100	100	98
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE					
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	100	93	100	98	95
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE					
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	88	100	100	90
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE					
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	98	98	98	100	100
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE					
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	100	83	100	100	78
11B	MON 29844	4.00 L	2.500 lb/ac	PRE					
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---+7 DAYS AFTER APPLIED---				
					GGGGG	BBBBB	SETFA	IPOHE	ERICA
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	85	100	100	93
12B	MON 29844	4.00 L	2.500 lb/ac	PRE					
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	88	90	88	100	93
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE					
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	98	95	98	100	95
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE					
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	98	95	98	100	98
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	98	100	98	100	100
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W					
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	85	88	85	98	90
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	93	88	93	100	88
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W					
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	73	85	73	98	90
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W					
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----7 DAYS AFTER APPLIED-----				
					GGGGG	BBBBB	SETFA	IPOHE	ERICA
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	83	93	83	100	95
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W					
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W					
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	65	88	65	98	93
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W					
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	68	93	68	95	90
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W					
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	45	68	45	100	50
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP					
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP					
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	48	88	48	98	85
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP					
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP					
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP					
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	100	83	100	100	73
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE					
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	100	68	100	98	58
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE					
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	100	100	100	98	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----7 DAYS AFTER APPLIED----				
					GGGGG	BBBBB	SETFA	IPOHE	ERICA
28A	V-53482	50.00 WDG	0.094 lb/ac	PRE	100	100	100	100	100
28B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
28C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
29A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	95	100	100	98
29B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
30A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	93	100	100	98
30B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE					
30C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
31A	V-53482	50.00 WDG	0.063 lb/ac	PRE	100	98	100	100	98
31B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
31C	HOE 39866	1.67 AS	0.750 lb/ac	PRE					
32A	V-53482	50.00 WDG	0.094 lb/ac	PRE	100	98	100	100	98
32B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
32C	HOE 39866	1.67 AS	0.750 lb/ac	PRE					

LSD(.05) : 21.5 21.5 12.2 NS 17.0

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	ERICA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	98	0	98	100	95
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	78	88	0	78	100	93
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	95	8	100	95	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	75	55	0	75	95	60
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	83	40	0	83	95	65
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	58	48	0	58	98	68
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	100	93	3	100	95	98
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE						
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	100	93	0	100	95	95
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE						
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	93	88	3	93	95	90
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	98	95	0	98	95	100
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	83	8	95	98	83
11B	MON 29844	4.00 L	2.500 lb/ac	PRE						
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	ERICA
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	93	85	8	93	100	93
12B	MON 29844	4.00 L	2.500 lb/ac	PRE						
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	88	90	5	88	95	93
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE						
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	98	90	0	98	93	95
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE						
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	95	93	0	95	90	98
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	95	100	0	95	95	100
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	85	88	0	85	98	88
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	90	88	3	90	98	88
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	48	80	5	48	95	90
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W						
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	ERICA
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	70	73	3	70	65	90
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W						
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	55	85	20	55	90	90
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W						
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	58	93	18	58	95	88
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W						
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	40	68	23	40	100	45
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP						
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	58	90	23	58	98	78
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP						
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP						
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	98	75	0	98	88	68
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE						
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	100	68	3	100	85	40
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE						
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	98	93	0	98	88	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	ERICA
28A	V-53482	50.00 WDG	0.094	lb/ac PRE	100	98	3	100	98	100
28B	METOLACHLOR	8.00 E	2.000	lb/ac PRE						
28C	GLYPHOSATE	4.00 E	1.000	lb/ac PRE						
29A	METOLACHLOR	8.00 E	2.000	lb/ac PRE	95	95	0	95	98	98
29B	GLYPHOSATE	4.00 E	1.000	lb/ac PRE						
30A	METOLACHLOR	8.00 E	2.000	lb/ac PRE	95	90	3	95	95	95
30B	METRIBUZIN 1	75.00 DF	0.500	lb/ac PRE						
30C	GLYPHOSATE	4.00 E	1.000	lb/ac PRE						
31A	V-53482	50.00 WDG	0.063	lb/ac PRE	100	93	3	100	90	98
31B	METOLACHLOR	8.00 E	2.000	lb/ac PRE						
31C	HOE 39866	1.67 AS	0.750	lb/ac PRE						
32A	V-53482	50.00 WDG	0.094	lb/ac PRE	98	90	3	98	90	98
32B	METOLACHLOR	8.00 E	2.000	lb/ac PRE						
32C	HOE 39866	1.67 AS	0.750	lb/ac PRE						

LSD(.05) :

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

O.M. : 4.50 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 . NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOLA	SOLNO	ERICA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	93	0	98	100	95	93	98
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	83	85	0	83	95	100	100	90
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	93	3	100	93	93	100	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	75	45	0	65	55	90	75	58
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	80	40	0	80	68	95	95	45
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	60	43	0	53	53	98	55	60
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	100	95	3	100	100	95	100	100
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE								
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	100	95	0	100	100	98	100	98
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE								
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	93	95	3	93	100	95	98	98
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE								
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	98	95	0	98	100	95	98	98
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE								
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	98	8	95	100	98	98	100
11B	MON 29844	4.00 L	2.500 lb/ac	PRE								
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOLA	SOLNO	ERICA
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	93	95	8	93	100	100	98	100
12B	MON 29844	4.00 L	2.500 lb/ac	PRE								
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	90	93	5	90	95	95	98	100
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE								
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	95	0	100	98	93	100	98
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE								
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	95	93	0	95	98	90	90	100
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
15D	CLETHODIM	0.9% EC	0.125 lb/ac	+3W								
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	95	88	0	95	90	93	88	100
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
16D	CLETHODIM	0.9% EC	0.150 lb/ac	+3W								
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	90	85	0	90	98	98	88	90
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
17D	CLETHODIM	0.9% EC	0.125 lb/ac	+3W								
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	90	85	3	90	90	98	100	88
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
18D	CLETHODIM	0.9% EC	0.150 lb/ac	+3W								
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	35	75	5	35	95	80	93	93
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W								
19D	CLETHODIM	0.9% EC	0.125 lb/ac	+3W								
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOLA	SOLNO	ERICA
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	58	35	3	58	90	40	95	90
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W								
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W								
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	50	85	20	50	98	90	100	85
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W								
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W								
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	48	88	20	48	95	93	100	90
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W								
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	43	63	25	43	93	95	100	40
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP								
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP								
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	70	78	23	70	88	100	100	65
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP								
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP								
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP								
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	98	68	0	98	98	85	100	58
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE								
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	100	48	3	100	98	80	100	28
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE								
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	95	88	0	95	98	85	100	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOLA	SOLNO	ERICA
28A	V-53482	50.00 WDG	0.094	lb/ac PRE	100	93	3	100	100	93	100	98
28B	METOLACHLOR	8.00 E	2.000	lb/ac PRE								
28C	GLYPHOSATE	4.00 E	1.000	lb/ac PRE								
29A	METOLACHLOR	8.00 E	2.000	lb/ac PRE	93	98	0	93	100	98	98	100
29B	GLYPHOSATE	4.00 E	1.000	lb/ac PRE								
30A	METOLACHLOR	8.00 E	2.000	lb/ac PRE	93	88	3	93	100	90	90	98
30B	METRIBUZIN 1	75.00 DF	0.500	lb/ac PRE								
30C	GLYPHOSATE	4.00 E	1.000	lb/ac PRE								
31A	V-53482	50.00 WDG	0.063	lb/ac PRE	100	85	3	100	95	83	100	98
31B	METOLACHLOR	8.00 E	2.000	lb/ac PRE								
31C	HOE 39866	1.67 AS	0.750	lb/ac PRE								
32A	V-53482	50.00 WDG	0.094	lb/ac PRE	98	93	3	98	98	85	100	98
32B	METOLACHLOR	8.00 E	2.000	lb/ac PRE								
32C	HOE 39866	1.67 AS	0.750	lb/ac PRE								
LSD(.05) :					19.5	16.3	6.8	19.1	14.7	18.8	15.9	21.8

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 E[MAY 30
 3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	CHEAL	IPOHE	ERICA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	100	98	100
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE					
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	80	95	90	83
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE					
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	100	88	65	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE					
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	5	93	38	90	20
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	0	88	50	93	18
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	0	65	28	98	30
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	0	95	98	88	100
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE					
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	18	95	100	98	95
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE					
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	0	88	100	88	100
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE					
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	98	100	73	100
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE					
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	3	85	98	95	100
11B	MON 29844	4.00 L	2.500 lb/ac	PRE					
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	CHEAL	IPOHE	ERICA
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	80	100	95	100
12B	MON 29844	4.00 L	2.500 lb/ac	PRE					
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	3	90	95	78	100
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE					
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	90	93	78	100
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE					
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE					
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	0	100	98	58	100
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	0	100	78	70	98
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W					
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	75	95	88	80
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	100	88	98	83
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE					
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W					
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	8	63	95	80	80
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W					
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	CHEAL	IPOHE	ERICA
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	10	78	93	43	88
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W					
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W					
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	10	78	73	68	73
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W					
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W					
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	0	18	95	75	85
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE					
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W					
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W					
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	8	25	78	90	25
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP					
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP					
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	8	90	53	93	38
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP					
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP					
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP					
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	0	95	98	65	20
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE					
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	3	100	88	45	20
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE					
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE					
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	0	85	93	63	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	CHEAL	IPOHE	ERICA
28A	V-53482	50.00 WDG	0.094 lb/ac	PRE	0	95	100	70	98
28B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
28C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
29A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	100	80	100
29B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
30A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	88	100	70	100
30B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE					
30C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE					
31A	V-53482	50.00 WDG	0.063 lb/ac	PRE	0	100	88	30	90
31B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
31C	HOE 39866	1.67 AS	0.750 lb/ac	PRE					
32A	V-53482	50.00 WDG	0.094 lb/ac	PRE	0	95	98	60	100
32B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE					
32C	HOE 39866	1.67 AS	0.750 lb/ac	PRE					

LSD(.05) : 9.5 23.3 25.5 33.2 21.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	SETFA	CHEAL	SOLNI	POLPY
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	93	93	98	80	100
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	65	75	65	65	98	75
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	88	93	90	100	93
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	40	25	40	8	83	95
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	43	8	43	5	68	33
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	33	33	33	23	83	75
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	95	88	95	88	100	80
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE						
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	98	88	98	95	100	88
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE						
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	85	98	85	100	93	100
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	95	98	95	98	100	100
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	90	98	90	98	100	100
11B	MON 29844	4.00 L	2.500 lb/ac	PRE						
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	SETFA	CHEAL	SOLNI	POLPY
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	73	75	73	75	75	75
12B	MON 29844	4.00 L	2.500 lb/ac	PRE						
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	88	95	88	95	98	100
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE						
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	95	98	95	98	100	98
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE						
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	88	78	88	100	48	100
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	83	80	83	98	58	100
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	73	75	73	83	95	75
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	58	80	58	78	90	78
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	45	43	45	60	48	30
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W						
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	SETFA	CHEAL	SOLNI	POLPY
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	48	45	48	80	58	63
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W						
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	38	35	38	75	50	58
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W						
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	50	30	50	65	38	25
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W						
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	5	33	5	28	75	75
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP						
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	25	38	25	23	100	23
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP						
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP						
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	100	98	100	98	100	95
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE						
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	100	100	100	100	100	100
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE						
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	95	100	95	100	100	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----7 DAYS AFTER APPLIED-----					
					GGGGG	BBBBB	SETFA	CHEAL	SOLNI	POLPY
28A	V-53482	50.00 WDG	0.094 lb/ac	PRE	98	100	98	100	100	100
28B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
28C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
29A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	78	100	88	95	70
29B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
30A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	98	98	98	95	100
30B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE						
30C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
31A	V-53482	50.00 WDG	0.063 lb/ac	PRE	95	100	95	100	100	98
31B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
31C	HOE 39866	1.67 AS	0.750 lb/ac	PRE						
32A	V-53482	50.00 WDG	0.094 lb/ac	PRE	95	100	95	100	100	100
32B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
32C	HOE 39866	1.67 AS	0.750 lb/ac	PRE						

LSD(.05) : 27.5 26.7 27.5 24.4 32.6 32.5

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	POLPY
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	75	0	90	90	73	88
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE							
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	65	75	3	65	65	98	83
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE							
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	88	3	95	85	100	93
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	40	40	0	40	28	83	95
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	48	35	0	48	20	83	78
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	40	43	0	40	33	80	88
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE							
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	88	88	8	88	88	100	85
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE							
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE							
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	93	83	0	93	93	100	90
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE							
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	90	95	0	90	90	93	95
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE							
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	93	93	0	93	98	100	100
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE							
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	93	83	10	93	90	100	88
11B	MON 29844	4.00 L	2.500 lb/ac	PRE							
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	POLPY
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	73	75	0	73	75	75	75
12B	MON 29844	4.00 L	2.500 lb/ac	PRE							
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	93	95	5	93	95	98	100
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE							
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	95	95	3	95	95	100	95
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE							
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	83	73	3	83	88	53	98
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE							
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W							
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	83	80	3	83	95	58	100
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE							
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W							
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	75	75	0	75	78	88	75
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE							
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W							
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	63	80	0	63	83	93	80
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE							
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W							
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	43	58	5	43	60	63	55
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W							
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W							
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	POLPY
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	60	40	13	60	63	53	45
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W							
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W							
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	40	40	15	40	65	88	53
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W							
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W							
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	53	53	18	53	73	68	43
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W							
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W							
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	45	60	23	45	50	100	95
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE							
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP							
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	30	43	20	30	50	100	50
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE							
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP							
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP							
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP							
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	98	90	0	98	98	100	95
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE							
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE							
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE							
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	95	93	3	95	93	100	98
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE							
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE							
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE							
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	95	98	5	95	100	100	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE							
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAYS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	POLPY	
28A	V-53482	50.00 WDG	0.094 lb/ac	PRE	93	95	5	93	90	100	100	
28B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
28C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
29A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	85	0	100	93	93	80	
29B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
30A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	95	3	98	98	93	100	
30B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE								
30C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
31A	V-53482	50.00 WDG	0.063 lb/ac	PRE	93	93	3	93	98	100	90	
31B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
31C	HOE 39866	1.67 AS	0.750 lb/ac	PRE								
32A	V-53482	50.00 WDG	0.094 lb/ac	PRE	88	95	5	88	93	100	98	
32B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
32C	HOE 39866	1.67 AS	0.750 lb/ac	PRE								
LSD(.05) :					28.4	26.5	7.5	28.4	24.2	24.5	25.5	

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 - MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	85	58	0	85	88	95	65	78
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
1C	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	68	75	3	68	70	95	93	83
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
2C	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	93	3	100	93	98	100	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
4	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	PRE	43	68	0	43	40	98	100	100
5	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	58	53	0	58	45	100	90	90
6A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	35	63	0	35	40	100	88	98
6B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
7A	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	80	90	8	80	90	100	100	98
7B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
7C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE								
8A	IMAZETHAPYR + PENDIM	3.00 E	0.900 lb/ac	PRE	90	88	0	90	93	98	100	90
8B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE								
9A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	98	83	0	98	88	93	98	85
9B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE								
9C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
10A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	90	90	0	90	95	90	88	100
10B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE								
10C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
11A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	95	75	10	95	90	95	98	80
11B	MON 29844	4.00 L	2.500 lb/ac	PRE								
11C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	70	75	0	70	75	100	75	75
12B	MON 29844	4.00 L	2.500 lb/ac	PRE								
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	80	90	5	80	95	95	100	90
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE								
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	83	93	3	83	90	100	95	90
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE								
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	78	53	3	78	78	100	50	95
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W								
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	83	70	3	83	95	93	65	100
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W								
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	80	73	0	80	83	98	88	75
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W								
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	70	83	0	70	83	95	98	85
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE								
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W								
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	35	63	5	35	70	100	75	68
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W								
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W								
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	63	30	13	63	45	98	58	25
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W								
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W								
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	38	55	15	38	55	100	83	58
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W								
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W								
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	53	70	18	53	75	98	90	58
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W								
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W								
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	40	65	23	40	53	100	100	93
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP								
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP								
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	30	63	20	30	53	100	93	75
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP								
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP								
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP								
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	95	88	0	95	90	90	100	95
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE								
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	95	88	3	95	85	100	100	93
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE								
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE								
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	100	95	5	100	100	95	100	100
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
28A	V-53482	50.00 WDG	0.094 lb/ac	PRE	83	88	5	83	80	98	95	100
28B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
28C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
29A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	93	88	0	93	100	85	88	95
29B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
30A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	90	3	98	100	90	95	100
30B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE								
30C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
31A	V-53482	50.00 WDG	0.063 lb/ac	PRE	90	90	3	90	95	98	100	88
31B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
31C	HOE 39866	1.67 AS	0.750 lb/ac	PRE								
32A	V-53482	50.00 WDG	0.094 lb/ac	PRE	85	93	5	85	88	100	100	93
32B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
32C	HOE 39866	1.67 AS	0.750 lb/ac	PRE								

LSD(.05) : 35.3 28.8 7.5 35.3 33.2 8.3 27.6 30.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
12A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	70	70	80	75	85
12B	MON 29844	4.00 L	2.500 lb/ac	PRE						
12C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
13A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	0	83	88	70	100	100
13B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE						
13C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
14A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	90	98	80	100	98
14B	ALACHLOR 2	65.00 WDG	2.500 lb/ac	PRE						
14C	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
15A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	0	100	93	75	18	95
15B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
15D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
16A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	0	100	90	80	23	98
16B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
17A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	3	100	73	88	100	63
17B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
17D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
18A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	100	50	98	100	38
18B	PARAQUAT	2.50 E	0.470 lb/ac	PRE						
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
18D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
19A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	5	50	48	95	98	38
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
19C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W						
19D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
19E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
20A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	5	50	63	98	98	40
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	+3W						
20D	CLETHODIM	0.94 EC	0.150 lb/ac	+3W						
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
21A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	3	63	45	95	95	3
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
21C	LACTOFEN	2.00 E	0.200 lb/ac	+3W						
21D	CLETHODIM	0.94 EC	0.125 lb/ac	+3W						
21E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
22A	PARAQUAT	2.50 E	0.470 lb/ac	PRE	0	33	75	88	100	30
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
22C	LACTOFEN	2.00 E	0.400 lb/ac	+3W						
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W						
23A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	0	0	63	100	100	98
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
23C	LACTOFEN	2.00 E	0.200 lb/ac	EP						
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
24A	LACTOFEN	2.00 E	0.200 lb/ac	PRE	5	75	13	90	100	50
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
24C	LACTOFEN	2.00 E	0.200 lb/ac	EP						
24D	CLETHODIM	0.94 EC	0.094 lb/ac	EP						
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	0	93	65	63	100	78
25B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
25C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE						
25D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
26A	V-53482	50.00 WDG	0.094 lb/ac	PRE	0	93	90	88	100	98
26B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
26C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE						
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
27A	V-53482	50.00 WDG	0.063 lb/ac	PRE	0	90	90	58	100	95
27B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
27C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	SOLNI	POLPY
28A	V-53482	50.00 WDG	0.094 lb/ac	PRE	0	95	100	80	100	100
28B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
28C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
29A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	80	45	100	80
29B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
30A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	88	90	65	100	98
30B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE						
30C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
31A	V-53482	50.00 WDG	0.063 lb/ac	PRE	0	73	90	90	100	88
31B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
31C	HOE 39866	1.67 AS	0.750 lb/ac	PRE						
32A	V-53482	50.00 WDG	0.094 lb/ac	PRE	0	88	95	73	100	100
32B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
32C	HOE 39866	1.67 AS	0.750 lb/ac	PRE						

LSD(.05) : 3.0 22.8 30.7 23.4 23.2 29.6

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 13
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %
 DATE TREATED : PRE MAY 13
 EP MAY 30
 +3W JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---7 DAYS AFTER APPLIED---				-14 DAYS AFTER APPLIED-				
					GGGGG	BBBBB	SETFA	XANOR	ERICA	CRIN	SETFA	XANOR	ERICA
1A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	90	90	90	90	90	0	93	97	93
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
1D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
2A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	100	93	100	93	93	0	97	100	100
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
2D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
3A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	93	97	93	97	97	0	97	97	100
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
4A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	100	100	100	100	0	100	100	100
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
4C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP									
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
4E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
5A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	100	100	100	100	100	0	100	100	100
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
5C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	EP									
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
6A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	100	100	100	100	0	97	100	100
6B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
7A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP	47	80	47	80	0	0	57	83	80
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
7C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP									
8A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	63	33	57	63	0	0	60	67	0
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
8C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP									
9A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	97	100	93	100	100	7	93	100	97
9B	PARAQUAT	2.50 E	0.500 lb/ac	PRE									
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
9D	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP									
9E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----7 DAYS AFTER APPLIED-----					-14 DAYS AFTER APPLIED-				
					GGGGG	BBBBB	SETFA	XANOR	ERICA	CRIN	SETFA	XANOR	ERICA	
10A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	13	93	13	93	93	0	27	100	90	
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE										
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE										
11A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	10	90	10	87	70	0	27	90	73	
11B	LINURON	4.00 L	0.500 lb/ac	PRE										
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE										
12A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	93	100	93	100	100	0	90	100	90	
12B	IMAZAQUIN	1.50 AS	0.093 lb/ac	PRE										
12C	PARAQUAT	2.50 E	0.500 lb/ac	PRE										
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
13A	CLOMAZONE	4.00 EC	0.500 lb/ac	PRE	100	100	100	100	100	0	97	97	97	
13B	LINURON	4.00 L	0.250 lb/ac	PRE										
13C	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE										
14A	CLOMAZONE	4.00 EC	0.500 lb/ac	PRE	97	97	97	97	77	0	93	93	83	
14B	METOLACHLOR	8.00 E	1.500 lb/ac	PRE										
14C	LINURON	4.00 L	0.250 lb/ac	PRE										
14D	PARAQUAT	2.50 E	0.500 lb/ac	PRE										
14E	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
15A	CLOMAZONE	4.00 EC	0.500 lb/ac	PRE	90	100	90	100	100	0	90	93	93	
15B	METOLACHLOR	8.00 E	1.500 lb/ac	PRE										
15C	METRIBUZIN 2	75.00 DF	0.250 lb/ac	PRE										
15D	PARAQUAT	2.50 E	0.500 lb/ac	PRE										
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
16A	METALACHLOR + METRIB	8.00 EC	2.500 lb/ac	PRE	100	100	100	100	100	0	97	100	100	
16B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
17A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	PRE	0	87	0	87	87	0	13	90	90	
17B	2,4 D AMINE	4.00 E	0.500 lb/ac	PRE										
17C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP										
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	90	90	90	90	0	90	87	93	
18B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE										
18C	PARAQUAT	2.50 E	0.470 lb/ac	PRE										
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----7 DAYS AFTER APPLIED-----					-14 DAYS AFTER APPLIED-			
					GGGGG	BBBBB	SETFA	XANOR	ERICA	CRIN	SETFA	XANOR	ERICA
19A	V-53482	3.00 FL	0.063 lb/ac	PRE	93	93	93	93	93	0	93	93	93
19B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
19C	CLETHODIM	0.94 EC	0.094 lb/ac	MP									
19D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
20A	V-53482	3.00 FL	0.094 lb/ac	PRE	97	97	97	97	97	0	93	93	97
20B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
20C	CLETHODIM	0.94 EC	0.094 lb/ac	MP									
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP									
21A	V-53482	3.00 FL	0.063 lb/ac	PRE	73	53	73	90	0	0	77	90	3
21B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
21C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE									
21D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE									
22A	V-53482	3.00 FL	0.094 lb/ac	PRE	83	63	83	80	27	0	80	80	27
22B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
22C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE									
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE									
23A	V-53482	3.00 FL	0.063 lb/ac	PRE	90	90	90	90	90	0	90	100	100
23B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
23C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
24A	V-53482	3.00 FL	0.094 lb/ac	PRE	93	93	93	93	93	0	93	100	100
24B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
24C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
25A	V-53482	3.00 FL	0.063 lb/ac	PRE	90	90	90	90	90	0	90	93	97
25B	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE									
25C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
26A	V-53482	3.00 FL	0.094 lb/ac	PRE	100	93	100	100	0	0	97	100	93
26B	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE									
26C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									

LSD(.05) : 6.2 6.4 7.0 6.8 15.7 1.9 15.3 7.8 14.1

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 60 N,
DATE PLANTED : JUNE 26
VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5
DATE TREATED : PRE JUNE 26
EP JULY 16
MP JULY 25

O.M. : 3.50 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS AFTER APPLIED-			
					CRIN	SETFA	XANOR	ERICA
1A	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE	0	93	97	93
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
1D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
2A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	0	97	100	100
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
2D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
3A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	97	100	100
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
4A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	93	100	100
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				
4C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
4E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
5A	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE	0	100	100	100
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE				
5C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	EP				
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
6A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	90	100	97
6B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE				
7A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP	0	77	83	80
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
7C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
8A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	0	0	0
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
8C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
9A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	7	97	100	87
9B	PARAQUAT	2.50 E	0.500 lb/ac	PRE				
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				
9D	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
9E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS AFTER APPLIED-			
					CRIN	SETFA	XANOR	ERICA
10A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	0	27	100	77
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE				
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE				
11A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	0	37	97	67
11B	LINURON	4.00 L	0.500 lb/ac	PRE				
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE				
12A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	0	77	100	83
12B	IMAZAQUIN	1.50 AS	0.093 lb/ac	PRE				
12C	PARAQUAT	2.50 E	0.500 lb/ac	PRE				
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				
13A	CLOMAZONE	4.00 EC	0.500 lb/ac	PRE	0	90	97	93
13B	LINURON	4.00 L	0.250 lb/ac	PRE				
13C	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE				
14A	CLOMAZONE	4.00 EC	0.500 lb/ac	PRE	0	87	97	83
14B	METOLACHLOR	8.00 E	1.500 lb/ac	PRE				
14C	LINURON	4.00 L	0.250 lb/ac	PRE				
14D	PARAQUAT	2.50 E	0.500 lb/ac	PRE				
14E	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				
15A	CLOMAZONE	4.00 EC	0.500 lb/ac	PRE	0	87	93	90
15B	METOLACHLOR	8.00 E	1.500 lb/ac	PRE				
15C	METRIBUZIN 2	75.00 DF	0.250 lb/ac	PRE				
15D	PARAQUAT	2.50 E	0.500 lb/ac	PRE				
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				
16A	METALACHLOR + METRIB	8.00 EC	2.500 lb/ac	PRE	0	90	100	100
16B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				
17A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	PRE	0	23	93	93
17B	2,4 D AMINE	4.00 E	0.500 lb/ac	PRE				
17C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	83	80	90
18B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE				
18C	PARAQUAT	2.50 E	0.470 lb/ac	PRE				
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS AFTER APPLIED-			
					CRIN	SETFA	XANOR	ERICA
19A	V-53482	3.00 FL	0.063 lb/ac	PRE	0	90	90	93
19B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				
19C	CLETHODIM	0.94 EC	0.094 lb/ac	MP				
19D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
20A	V-53482	3.00 FL	0.094 lb/ac	PRE	0	93	87	97
20B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				
20C	CLETHODIM	0.94 EC	0.094 lb/ac	MP				
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
21A	V-53482	3.00 FL	0.063 lb/ac	PRE	0	73	73	7
21B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE				
21C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE				
21D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE				
22A	V-53482	3.00 FL	0.094 lb/ac	PRE	0	77	90	20
22B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE				
22C	CLETHODIM	0.94 EC	0.094 lb/ac	PRE				
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE				
23A	V-53482	3.00 FL	0.063 lb/ac	PRE	0	90	100	100
23B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE				
23C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				
24A	V-53482	3.00 FL	0.094 lb/ac	PRE	0	90	100	100
24B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE				
24C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				
25A	V-53482	3.00 FL	0.063 lb/ac	PRE	0	90	87	100
25B	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE				
25C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				
26A	V-53482	3.00 FL	0.094 lb/ac	PRE	0	93	97	97
26B	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE				
26C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE				

LSD(.05) : 1.9 17.4 16.5 14.2

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 60 N,
DATE PLANTED : JUNE 26
VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5 O.M. : 3.50 %
DATE TREATED : PRE JUNE 26
EP JULY 16
MP JULY 25

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1116 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	17	40	0	40
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI				
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	13	77	0	77
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	10J				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
2D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	13	90	0	87
3B	NICOSULFURON	75.00 DF	0.031 lb/ac	10J				
3C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	10J				
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	20	80	0	73
4B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J				
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	10J				
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
5	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	3	57	0	60
6A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	3	37	0	33
6B	ATRAZINE	4.00 L	0.750 lb/ac	PPI				
7A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	10	50	0	47
7B	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI				
8A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	10J	33	73	0	70
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
8C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
9A	IMAZETHAPYR	2.00 AS	0.125 lb/ac	10J	20	90	0	83
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
9C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
10A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	10J	30	70	0	60
10B	ATRAZINE	4.00 L	0.750 lb/ac	10J				
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
10D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
11A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	10J	20	87	0	83
11B	PENDIMETHALIN	4.00 E	1.000 lb/ac	10J				
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1116 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
12A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	7	30	0	27
12B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
13A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	17	80	0	73
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	10J				
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
13D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
14A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	30	83	0	73
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	10J				
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
14D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
LSD(.05) :					NS	27.1	NS	25.5

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 23
 VARIETY : PIONEER 3343

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 2.00 %
 DATE TREATED : PPI MAY 23
 PRE MAY 23
 10J JUNE 10

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1140 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	97	0	97
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
2A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	93	0	90
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
3A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	97	0	100
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
4A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	97	0	93
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
5A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	100	0	97
5B	SUN-IT II	0.00 AD	1.000 qt/ac	12J				
6A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	97	0	97
6B	SUN-IT II	0.00 AD	1.000 qt/ac	12J				
7A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	83	0	97
7B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	12J				
7C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
8A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	97	0	100
8B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
9A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	100	0	93
9B	LIQUID FERTILIZER	0.00 AD	6.000 qt/ac	12J				
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
10A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	87	0	87
10B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	12J				
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
11A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	97	0	100
11B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
12A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	93	0	97
12B	LIQUID FERTILIZER	0.00 AD	6.000 qt/ac	12J				
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1140 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
13A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	90	0	97
13B	ACTIVATOR 90	0.00 WA	1.000 %	12J				
14A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	83	0	90
14B	ACTIVATOR 90	0.00 WA	1.000 %	12J				
15A	NICOSULFURON	75.00 DF	0.031 lb/ac	12J	0	93	0	100
15B	BCH 815	0.00 AD	1.000 qt/ac	12J				
16A	NICOSULFURON	75.00 DF	0.016 lb/ac	12J	0	90	0	93
16B	BCH 815	0.00 AD	1.000 qt/ac	12J				
LSD(.05) :					NS	10.8	NS	7.8

LOCATION : PRINCERON, KY.
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 23
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 1.50 %
 DATE TREATED : 12J JUNE 18

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1141 JOHNSONGRASS CONTROL IN CORN II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	100	0	87
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
2A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	100	0	87
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
3A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	100	0	90
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
4A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	97	0	87
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
5A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	100	0	90
5B	SUN-IT II	0.00 AD	1.000 qt/ac	12J				
6A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	93	0	83
6B	SUN-IT II	0.00 AD	1.000 qt/ac	12J				
7A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	93	0	83
7B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	12J				
7C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
8A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	93	0	87
8B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
8C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
9A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	100	0	90
9B	LIQUID FERTILIZER	0.00 AD	6.000 qt/ac	12J				
9C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
10A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	93	0	83
10B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	12J				
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
11A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	93	0	83
11B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
12A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	93	0	83
12B	LIQUID FERTILIZER	0.00 AD	6.000 qt/ac	12J				
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1141 JOHNSONGRASS CONTROL IN CORN II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
13A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	100	0	93
13B	ACTIVATOR 90	0.00 WA	1.000 %	12J				
14A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	97	0	87
14B	ACTIVATOR 90	0.00 WA	1.000 %	12J				
15A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J	0	100	0	83
15B	BCH 815	0.00 AD	1.000 qt/ac	12J				
16A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	0	93	0	83
16B	BCH 815	0.00 AD	1.000 qt/ac	12J				
LSD(.05) :					NS	NS	NS	NS

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 23
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5
 DATE TREATED : 12J JUNE 18
 O.M. : 1.00 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1143 CORN JOHNSONGRASS PRE,PPI AND POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	7	13	0	7
1B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
2A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	17	97	0	87
2B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
2C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
2D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
3A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	17	90	0	90
3B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
3C	NICOSULFURON	75.00 DF	0.015 lb/ac	12J				
3D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
3E	NICOSULFURON	75.00 DF	0.015 lb/ac	+14				
3F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
4A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	20	87	0	80
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
4C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
4D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
5A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	17	90	0	83
5B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
5C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
5D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
5E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+14				
5F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
6A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	7	23	0	20
6B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
7A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	13	90	0	80
7B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
7C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
7D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
8A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	7	97	0	93
8B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
8C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
8E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+14				
8F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1143 CORN JOHNSONGRASS PRE,PPI AND POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
9A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	23	90	0	80
9B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
9C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
10A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	17	97	0	87
10B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
10C	NICOSULFURON	75.00 DF	0.015 lb/ac	12J				
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
10E	NICOSULFURON	75.00 DF	0.015 lb/ac	+14				
10F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
11	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	13	0	0	0
12A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	30	97	0	90
12B	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
13A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	30	97	0	87
13B	NICOSULFURON	75.00 DF	0.015 lb/ac	12J				
13C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
13D	NICOSULFURON	75.00 DF	0.015 lb/ac	+14				
13E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
14A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	27	80	0	73
14B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
14C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
15A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	30	93	0	80
15B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
15C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
15D	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+14				
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
16A	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac	PRE	27	90	0	87
16B	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
17A	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac	PRE	27	97	0	87
17B	NICOSULFURON	75.00 DF	0.015 lb/ac	12J				
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
17D	NICOSULFURON	75.00 DF	0.015 lb/ac	+14				
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1143 CORN JOHNSONGRASS PRE,PPI AND POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
18A	NICOSULFURON	75.00 DF	0.015 lb/ac	12J	27	93	0	93
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
18C	NICOSULFURON	75.00 DF	0.015 lb/ac	+14				
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
19A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J	27	93	0	83
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
19C	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+14				
19D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+14				
20	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
LSD(.05) :					16.8	15.9	NS	10.8

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 22
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 1.50 %
 DATE TREATED : PPI MAY 22
 PRE MAY 22
 12J JUNE 12
 +14D JUNE 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	0	10	0	10
1B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
2A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	33	100	20	97
2B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
2C	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
2D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
3A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	57	100	47	83
3B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
3C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
3D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
4A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	97	0	80
4B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	12J				
4C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
4D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
5A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	93	0	80
5B	PRIMISULFURON	75.00 WDG	0.027 lb/ac	12J				
5C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
5D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
6A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	90	0	83
6B	PRIMISULFURON	75.00 WDG	0.031 lb/ac	12J				
6C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
6D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
7A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	93	0	80
7B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	12J				
7C	AGRI-DEX	0.00 AD	1.000 qt/ac	12J				
7D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
8A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	97	0	87
8B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	8J				
8C	AGRI-DEX	0.00 AD	1.000 qt/ac	8J				
8D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	8J				
8E	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+14				
8F	AGRI-DEX	0.00 AD	1.000 qt/ac	+14				
8G	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+14				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
9A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	97	0	83
9B	PRIMISULFURON	75.00 WDG	0.027 lb/ac	8J				
9C	AGRI-DEX	0.00 AD	1.000 qt/ac	8J				
9D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	8J				
9E	PRIMISULFURON	75.00 WDG	0.009 lb/ac	+14				
9F	AGRI-DEX	0.00 AD	1.000 qt/ac	+14				
9G	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+14				
10A	METALACHLOR + ATRA.	6.00 L	3.600 lb/ac	PRE	0	100	0	93
10B	NICOSULFURON	75.00 DF	0.031 lb/ac	12J				
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
10D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	12J				
11A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	93	0	87
11B	NICOSULFURON	75.00 DF	0.031 lb/ac	+3W				
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3W				
11D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+3W				
12A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	93	0	97
12B	NICOSULFURON	75.00 DF	0.031 lb/ac	+4W				
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+4W				
12D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+4W				
13A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	47	0	93
13B	NICOSULFURON	75.00 DF	0.031 lb/ac	+5W				
13C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+5W				
13D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+5W				
14A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	PRE	0	17	0	83
14B	NICOSULFURON	75.00 DF	0.031 lb/ac	+6W				
14C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+6W				
14D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+6W				
15A	BENTAZON + ATRAZINE	3.20 L	0.750 lb/ac	10J	0	90	0	80
15B	NICOSULFURON	75.00 DF	0.031 lb/ac	10J				
15C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	10J				
15D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
16A	DPX 79406	25.00 DF	0.016 lb/ac	12J	0	97	0	100
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
17A	DPX 79406	25.00 DF	0.016 lb/ac	12J	0	97	0	90
17B	BROMOXYNIL	2.00 E	0.250 lb/ac	12J				
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
18A	DPX 79406	25.00 DF	0.016 lb/ac	12J	0	93	0	90
18B	BROMOXYNIL+ATRAZINE	3.00 EC	0.560 lb/ac	12J				
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
19A	DPX 79406	25.00 DF	0.016 lb/ac	12J	7	93	7	93
19B	DICAMBA	4.00 S	0.500 lb/ac	12J				
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
20A	DPX 79406	25.00 DF	0.016 lb/ac	12J	0	97	0	97
20B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	12J				
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
21A	DPX 79406	25.00 DF	0.016 lb/ac	12J	0	97	0	90
21B	ATRAZINE	4.00 L	1.000 lb/ac	12J				
21C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
22	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
LSD(.05) :					12.8	9.2	13.2	11.1

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 22
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 1.50 %
 DATE TREATED : PRE MAY 23
 8J, +14D JUNE 8, 24
 10J JUNE 18
 12J JUNE 18
 +3W JUNE 12
 +4W JUNE 20
 +5W JUNE 26
 +6W JULY 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1117 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					CRIN	DIGSA	IPOHE	SOLNI	SIDSP	ERICA	LACSE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	97	97	87	83	97	100
1B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE							
2A	ALACHLOR	4.00 MT	2.500 lb/ac	4WP	0	100	83	73	80	93	90
2B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
2C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							
3A	ALACHLOR	4.00 MT	2.500 lb/ac	4WP	0	100	63	60	73	80	80
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
3C	GLYPHOSATE	4.00 E	0.500 lb/ac	4WP							
3D	X-77 (SURFACTANT)	0.50 WA	0.500 %	4WP							
4A	ALACHLOR	4.00 MT	2.500 lb/ac	4WP	0	100	77	83	87	97	73
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
4C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	4WP							
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	100	90	93	90	70	97
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
5C	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE							
5D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE							
6A	ALACHLOR	4.00 MT	2.500 lb/ac	4WP	0	100	83	53	80	93	87
6B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	4WP							
6D	X-77 (SURFACTANT)	0.50 WA	0.500 %	4WP							
7A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	4WP	0	100	83	67	83	97	90
7B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
7C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							
8A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	4WP	0	100	67	57	70	83	100
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
8C	GLYPHOSATE	4.00 E	0.500 lb/ac	4WP							
8D	X-77 (SURFACTANT)	0.50 WA	0.500 %	4WP							
9A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	4WP	0	100	83	60	73	90	90
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
9C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	4WP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1117 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					CRIN	DIGSA	IPOHE	SOLNI	SIDSP	ERICA	LACSE
10A	ALACHLOR 2	65.00 WDG	2.500 lb/ac	4WP	0	100	63	63	73	87	83
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	4WP							
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	4WP							
11A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	100	80	57	63	100	100
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
11C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP							
12A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	100	80	60	67	83	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
12C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							
12D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP							
13A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	100	63	60	60	77	47
13B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	4WP							
13C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4WP							
14A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	100	97	63	87	100	83
14B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
14C	PARAQUAT	2.50 E	0.470 lb/ac	4WP							
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP							
15A	TRIFLURALIN	4.00 E	1.500 lb/ac	4WP	0	100	80	57	67	87	50
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
15C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP							
16A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	100	80	60	80	97	97
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
16C	PARAQUAT	2.50 E	0.470 lb/ac	4WP							
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP							
17A	ETHALFLURALIN	3.00 E	1.500 lb/ac	4WP	0	100	73	67	53	83	67
17B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	4WP							
17C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP							
18A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	100	93	87	87	67	93
18B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP							
18C	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1117 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					CRIN	DIGSA	IPOHE	SOLNI	SIDSP	ERICA	LACSE
19A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	100	73	73	83	77	93
19B	METOLACHLOR	8.00 E	2.000 lb/ac	4WP							
19C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
20A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	100	100	87	87	77	100
20B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							
21A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	100	70	73	77	83	63
21B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
22A	IMAZETHAPYR + PENDIM	3.00 E	0.870 lb/ac	4WP	0	100	83	83	87	83	30
22B	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
23A	PENDAMETHALIN + IMAZ	2.33 EC	0.870 lb/ac	4WP	0	100	57	63	67	100	100
23B	PARAQUAT	2.50 E	0.470 lb/ac	4WP							
23C	X-77 (SURFACTANT)	0.50 WA	0.250 %	4WP							
24A	IMAZAQUIN	1.50 AS	0.083 lb/ac	4WP	0	100	80	80	93	100	100
24B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP							
24C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
24D	IMAZAQUIN	1.50 AS	0.042 lb/ac	MP							
24E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
25A	IMAZAQUIN	1.50 AS	0.125 lb/ac	4WP	0	100	73	73	83	90	47
25B	PENDIMETHALIN	4.00 E	1.000 lb/ac	4WP							
25C	GLYPHOSATE	4.00 E	0.750 lb/ac	4WP							
26A	METRIBUZIN 1	75.00 DF	0.600 lb/ac	4WP	0	100	77	67	70	67	67
26B	2,4 D ESTER	4.00 E	1.000 lb/ac	4WP							
26C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP							
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							

LSD(.05) : NS NS NS NS 23.1 NS 38.6

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 23
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 2.00 %
 DATE TREATED : 4WP APRIL 23
 MP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	100	0	93
1B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
1D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
2A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	3	97	0	83
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
2C	LACTOFEN	2.00 E	0.125 lb/ac	MP				
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
2E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
3A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	3	100	0	93
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
3C	LACTOFEN	2.00 E	0.250 lb/ac	MP				
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
3E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
4A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	3	97	0	87
4B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
4C	LACTOFEN	2.00 E	0.063 lb/ac	MP				
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
4E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
5A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	97	0	90
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
5C	FOMESAFEN	2.00 LC	0.250 lb/ac	MP				
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
5E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
6A	FLUAZIFOP-BUYTL	1.00 E	0.024 lb/ac	18J	0	33	0	63
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
7A	FLUAZIFOP-BUYTL	1.00 E	0.047 lb/ac	18J	13	83	0	83
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
8A	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	18J	3	87	0	97
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
9A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	87	0	100
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
10A	QUIZALOFOP	0.80 L	0.013 lb/ac	18J	0	73	0	80
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
11A	QUIZALOFOP	0.80 L	0.025 lb/ac	18J	0	87	0	80
11B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
12A	QUIZALOFOP	0.80 L	0.050 lb/ac	18J	7	100	0	93
12B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
13A	QUIZALOFOP	0.80 L	0.100 lb/ac	18J	7	100	0	100
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
14A	QUIZALOFOP	0.80 L	0.156 lb/ac	18J	10	93	0	100
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
15A	CLETHODIM	0.94 EC	0.013 lb/ac	18J	7	83	0	73
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
16A	CLETHODIM	0.94 EC	0.025 lb/ac	18J	7	87	0	83
16B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
17A	CLETHODIM	0.94 EC	0.050 lb/ac	18J	7	93	3	97
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
18A	CLETHODIM	0.94 EC	0.100 lb/ac	18J	3	100	0	100
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
19A	CLETHODIM	0.94 EC	0.125 lb/ac	18J	7	100	0	100
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
20A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	18J	3	97	0	93
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
21A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	18J	3	23	0	67
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	18J				
22A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	24J	0	37	0	73
22B	SUN-IT II	0.00 AD	1.000 qt/ac	24J				
22C	SETHOXYDIM 2	1.00 E	0.190 lb/ac	12J				
22D	DASH	0.00 AD	1.000 qt/ac	12J				
23A	FENOXAPROP	1.00 EC	0.075 lb/ac	18J	7	100	0	100
23B	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	18J				
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
24A	FENOXAPROP	1.00 EC	0.050 lb/ac	18J	0	93	0	100
24B	FLUAZIFOP-BUYTL	1.00 E	0.094 lb/ac	18J				
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
25A	SETHOXYDIM 2	1.00 E	0.047 lb/ac	18J	0	37	0	60
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
26A	SETHOXYDIM 2	1.00 E	0.094 lb/ac	18J	3	83	0	77
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
27A	SETHOXYDIM 2	1.00 E	0.188 lb/ac	18J	10	93	7	90
27B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
28A	SETHOXYDIM 2	1.00 E	0.190 lb/ac	24J	10	93	0	90
28B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				
29A	SETHOXYDIM 2	1.00 E	0.125 lb/ac	24J	0	87	0	87
29B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				
29C	SETHOXYDIM 2	1.00 E	0.125 lb/ac	12J				
29D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	12J				
30A	SETHOXYDIM 2	1.00 E	0.125 lb/ac	24J	3	93	0	90
30B	DASH	0.00 AD	1.000 qt/ac	24J				
30C	SETHOXYDIM 2	1.00 E	0.125 lb/ac	12J				
30D	DASH	0.00 AD	1.000 qt/ac	12J				
31A	SETHOXYDIM 2	1.00 E	0.190 lb/ac	24J	7	90	0	90
31B	DASH	0.00 AD	1.000 qt/ac	24J				
31C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	24J				
32A	SETHOXYDIM 2	1.00 E	0.190 lb/ac	24J	3	93	0	97
32B	DASH	0.00 AD	1.000 qt/ac	24J				
32C	SETHOXYDIM 2	1.00 E	0.125 lb/ac	12J				
32D	DASH	0.00 AD	1.000 qt/ac	12J				
33A	SETHOXYDIM 2	1.00 E	0.190 lb/ac	24J	0	87	0	87
33B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	24J				
33C	SUN-IT II	0.00 AD	1.000 qt/ac	24J				
34A	BRC 602	2.56 EC	0.020 lb/ac	18J	3	80	0	73
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
35A	BRC 602	2.56 EC	0.040 lb/ac	18J	0	90	0	93
35B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
36A	BRC 602	2.56 EC	0.080 lb/ac	18J	7	93	0	100
36B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
37A	BRC 602	2.56 EC	0.160 lb/ac	18J	7	100	0	97
37B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	18J				
38A	KY 10	1.80 E	0.165 lb/ac	24J	10	93	3	93
38B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				
39A	KY 10	1.80 E	0.152 lb/ac	24J	7	90	3	97
39B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				
40A	KY 9	2.00 E	0.202 lb/ac	24J	0	93	0	97
40B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				
41A	KY 9	2.00 E	0.186 lb/ac	24J	7	90	0	100
41B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				
42A	KY 9	2.00 E	0.171 lb/ac	24J	0	93	0	93
42B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	24J				

LSD(.05) : NS 12.0 NS 10.5

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 23
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 1.50 %
 DATE TREATED : PRE MAY 23
 MP JUNE 17
 18J JUNE 24
 24J JUNE 28
 12J JULY 18

ALL BASF TREATMENTS ARE 10 GPA.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	ABUTH	CRIN	ABUTH
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	30	0	23
1B	LACTOFEN	2.00 E	0.200 lb/ac	PRE				
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	40	0	33
2B	LACTOFEN	2.00 E	0.300 lb/ac	PRE				
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	47	0	43
3B	LACTOFEN	2.00 E	0.400 lb/ac	PRE				
4A	ALACHLOR + TRIFLUR.	3.00 E	2.630 lb/ac	PPI	0	70	0	73
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI				
5A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	0	83	0	80
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI				
6A	ALACHLOR + TRIFLUR.	3.00 E	4.000 lb/ac	PPI	0	57	0	50
6B	CHLORIMURON	25.00 DF	0.004 lb/ac	MP				
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
7A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	80	0	77
7B	CHLORIMURON	25.00 DF	0.004 lb/ac	MP				
7C	DPX M6316	25.00 DF	0.004 lb/ac	MP				
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
8A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	70	0	70
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
9A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	83	0	80
9B	IMAZAQUIN	1.50 AS	0.062 lb/ac	PPI				
10A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	87	0	90
10B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI				
11A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	87	0	87
11B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
11C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
12A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	93	0	90
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
12D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	ABUTH	CRIN	ABUTH
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	100	0	100
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
13C	LACTOFEN	2.00 E	0.063 lb/ac	MP				
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
13E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	97	0	97
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
14C	LACTOFEN	2.00 E	0.094 lb/ac	MP				
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
14E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	93	0	93
15B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
15C	LACTOFEN	2.00 E	0.125 lb/ac	MP				
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
15E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
16A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	97	0	100
16B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
16C	FOMESAFEN	2.00 LC	0.250 lb/ac	MP				
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
16E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
17	XRM-5313	3.63 EC	0.910 lb/ac	PPI	0	70	0	67
18	XRM-5313	3.63 EC	1.030 lb/ac	PPI	0	90	0	93
19A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	63	0	67
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
20A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	73	0	67
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
20C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
21A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	77	0	80
21B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP				
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
22A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	87	0	83
22B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP				
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
22D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	ABUTH	CRIN	ABUTH
23A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	83	0	83
23B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP				
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
24A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	87	0	87
24B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP				
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
24D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
25A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	77	0	77
25B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
26A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	80	0	83
26B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
26C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
27A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	67	0	67
27B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
27C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
28A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	87	0	87
28B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
28C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
28D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
29A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	67	0	77
29B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
29C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
29D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
30A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	80	0	80
30B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
30C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
30D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
31A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	0	47	0	43
31B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
32A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	0	80	0	83
32B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
32C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	ABUTH	CRIN	ABUTH
33A	LACTOFEN	2.00 E	0.100 lb/ac	EP	0	90	0	90
33B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
33C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
33D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
33E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
34A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	80	0	87
34B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
34C	CLETHODIM	0.94 EC	0.094 lb/ac	EP				
34D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
35A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	93	0	93
35B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
35C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
35D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
35E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
36A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	77	0	77
36B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP				
36C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
36D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
36E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
37A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	90	0	83
37B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP				
37C	CLETHODIM	0.94 EC	0.094 lb/ac	EP				
37D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
38A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	70	0	67
38B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP				
38C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
38D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
38E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
39A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	73	0	70
39B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP				
39C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
39D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
39E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
40A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	70	0	70
40B	SETHOXYDIM 2	1.00 E	0.188 lb/ac	EP				
40C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	ABUTH	CRIN	ABUTH
41A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	63	0	60
41B	CLETHODIM	0.94 EC	0.094 lb/ac	EP				
41C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
42A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	60	0	53
42B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
LSD(.05) :					NS	22.3	NS	22.3

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 23
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 1.50 %
 DATE TREATED : PPI MAY 23
 PRE MAY 23
 EP JUNE 3
 +7D JUNE 10
 MP JUNE 11
 MP
 5LF
 7LF

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS --		--8 WEEKS--	
					CRIN	IPOHE	CRIN	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	80	0	80
1B	FOMESAFEN	2.00 LC	0.375 lb/ac	MP				
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	63	0	67
2B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
2C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
3A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	53	0	53
3B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
4A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	60	0	57
4B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP				
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
5A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	43	0	40
5B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP				
5C	SUN-IT II	0.00 AD	1.000 qt/ac	MP				
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	50	0	53
6B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP				
6C	SUN-IT II	0.00 AD	1.000 qt/ac	LP				
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	67	0	57
7B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP				
7C	FOMESAFEN	2.00 LC	0.188 lb/ac	MP				
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
7E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	60	0	67
8B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP				
8C	FOMESAFEN	2.00 LC	0.188 lb/ac	LP				
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
8E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	LP				
9A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	60	0	70
9B	IMAZAQUIN	1.50 AS	0.062 lb/ac	MP				
9C	LACTOFEN	2.00 E	0.090 lb/ac	MP				
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS --		--8 WEEKS--	
					CRIN	IPOHE	CRIN	IPOHE
10A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	60	0	57
10B	IMAZAQUIN	1.50 AS	0.062 lb/ac	LP				
10C	LACTOFEN	2.00 E	0.090 lb/ac	LP				
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP				
11A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	77	0	80
11B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
12A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	70	0	67
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
12C	LACTOFEN	2.00 E	0.063 lb/ac	MP				
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
12E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	77	0	80
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
13C	LACTOFEN	2.00 E	0.094 lb/ac	MP				
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
13E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	77	0	80
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
14C	LACTOFEN	2.00 E	0.125 lb/ac	MP				
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
14E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	63	0	63
15B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
15C	FOMESAFEN	2.00 LC	0.250 lb/ac	MP				
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
15E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
16A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	53	0	50
16B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI				
17A	BAS 514	75.00 DF	0.250 lb/ac	PRE	0	77	0	77
17B	METRIBUZIN 1	75.00 DF	0.375 lb/ac	PRE				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS --		--8 WEEKS--	
					CRIN	IPOHE	CRIN	IPOHE
18A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	50	0	47
18B	IMAZAQUIN	1.50 AS	0.062 lb/ac	PPI				
19A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	73	0	77
19B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
19C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
20A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	77	0	77
20B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI				
20C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
20D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
21A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	80	0	80
21B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
21C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
22A	LACTOFEN	2.00 E	0.125 lb/ac	MP	0	63	0	60
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
23A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	63	0	63
23B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
24A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	60	0	57
24B	SETHOXYDIM 2	1.00 E	0.188 lb/ac	EP				
24C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
25A	LACTOFEN	2.00 E	0.200 lb/ac	EP	0	53	0	57
25B	CLETHODIM	0.94 EC	0.094 lb/ac	EP				
25C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
26A	LACTOFEN	2.00 E	0.100 lb/ac	EP	0	83	0	83
26B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
26C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
26D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
26E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
27A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	63	0	67
27B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
27C	CLETHODIM	0.94 EC	0.094 lb/ac	EP				
27D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS --		--8 WEEKS--	
					CRIN	IPOHE	CRIN	IPOHE
28A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	67	0	67
28B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
28C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
28D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
28E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
29A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	60	0	67
29B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP				
29C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
29D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
29E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
30A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	77	0	73
30B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP				
30C	CLETHODIM	0.94 EC	0.094 lb/ac	EP				
30D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
31A	LACTOFEN	2.00 E	0.125 lb/ac	EP	0	77	0	80
31B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP				
31C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
31D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
31E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
32A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	80	0	83
32B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP				
32C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
32D	CLETHODIM	0.94 EC	0.094 lb/ac	+7D				
32E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+7D				
33A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	0	53	0	57
33B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
34A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	0	67	0	73
34B	LACTOFEN	2.00 E	0.125 lb/ac	MP				
34C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
35A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	0	63	0	63
35B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
35C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE S1114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-4 WEEKS --		--8 WEEKS--	
					CRIN	IPOHE	CRIN	IPOHE
36A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	77	0	77
36B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
37A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	80	0	83
37B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP				
37C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
38A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	70	0	73
38B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	EP				
38C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
39A	FOMESAFEN	2.00 LC	0.250 lb/ac	EP	0	73	0	70
39B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
39C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
40A	FOMESAFEN	2.00 LC	0.312 lb/ac	EP	0	77	0	83
40B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
40C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
41A	FOMESAFEN	2.00 LC	0.375 lb/ac	EP	0	73	0	77
41B	DPX M6316	25.00 DF	0.004 lb/ac	EP				
41C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
42A	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	EP	0	63	0	63
42B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				

LSD(.05) : NS 16.3 NS 21.4

LOCATION : PRINCETON, KY.
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 23
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 1.50 %
 DATE TREATED : PPI MAY 23
 PRE MAY 23
 EP JUNE 3
 +7D JUNE 10
 MP JUNE 10
 LP JUNE 17

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE C1147 JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK SORHA	8 WK SORHA
1	ROUNDUP	4.00 E	0.500 lb/ac	18J	90	77
2	ROUNDUP	4.00 E	1.000 lb/ac	18J	93	90
3	MON 35085	3.00 E	0.500 lb/ac	18J	90	73
4	MON 35085	3.00 E	1.000 lb/ac	18J	97	87
5	MON 52249	3.00 E	0.500 lb/ac	18J	93	80
6	MON 52249	3.00 E	1.000 lb/ac	18J	100	83
7	MON 44051	3.00 E	0.500 lb/ac	18J	93	77
8	MON 44051	3.00 E	1.000 lb/ac	18J	100	90
9	MON 52223	3.00 E	0.500 lb/ac	18J	90	77
10	MON 52223	3.00 E	1.000 lb/ac	18J	100	90
11	MON 52224	3.00 E	0.500 lb/ac	18J	93	77
12	MON 52224	3.00 E	1.000 lb/ac	18J	100	87
13	MON 52291	3.00 E	0.500 lb/ac	18J	97	87
14	MON 52291	3.00 E	1.000 lb/ac	18J	100	90
LSD(.05) :					6.5	10.1

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 0 N,
 DATE PLANTED : MAY 22
 VARIETY :

SOIL TYPE : CRIDER SILT LOAM
 0 P, 0 K, pH : 6.5
 DATE TREATED : 18J JUNE 27

O.M. : 1.50 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE T1025 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	AMACH	SIDSP
1	PEBULATE	6.00 E	4.000 lb/ac PPI		98	73	0	98	75	85	90	93
2	BENEFIN	1.50 E	1.500 lb/ac PPI		100	88	0	100	98	88	100	85
3	ISOPROPALIN	6.00 E	1.500 lb/ac PPI		98	83	0	95	100	78	100	88
4	PENDIMETHALIN	4.00 E	1.500 lb/ac PPI		98	88	0	98	98	88	98	90
5A	PENDIMETHALIN	4.00 E	1.500 lb/ac PPI		98	88	0	98	100	83	98	90
5B	NAPROPAMIDE	50.00 DF	1.000 lb/ac PPI									
6A	PENDIMETHALIN	4.00 E	1.500 lb/ac PPI		98	90	0	98	100	90	98	93
6B	PEBULATE	6.00 E	4.000 lb/ac PPI									
7A	PENDIMETHALIN	4.00 E	1.500 lb/ac PPI		100	90	0	100	100	90	100	93
7B	PEBULATE	6.00 E	4.000 lb/ac PPI									
7C	NAPROPAMIDE	50.00 DF	1.000 lb/ac PPI									
8	NAPROPAMIDE	50.00 DF	1.000 lb/ac PPI		93	88	0	93	98	85	100	90
9A	NAPROPAMIDE	50.00 DF	1.000 lb/ac PPI		98	88	0	98	95	85	98	93
9B	PEBULATE	6.00 E	4.000 lb/ac PPI									
10	CLOMAZONE	4.00 EC	1.000 lb/ac POT		100	88	0	100	100	90	95	93
11	CLOMAZONE	4.00 EC	1.000 lb/ac PPI		100	85	0	100	100	88	90	100
12A	CLOMAZONE	4.00 EC	1.000 lb/ac PPI		98	88	0	98	95	90	90	98
12B	PENDIMETHALIN	4.00 E	1.500 lb/ac PPI									
13A	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		100	88	0	100	100	90	95	93
13B	PENDIMETHALIN	4.00 E	0.500 lb/ac PPI									
14A	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		98	88	0	98	98	93	85	98
14B	PEBULATE	6.00 E	3.000 lb/ac PPI									
15A	CLOMAZONE	4.00 EC	1.000 lb/ac PPI		98	88	0	98	100	90	93	98
15B	PEBULATE	6.00 E	4.000 lb/ac PPI									
16A	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		100	90	0	100	100	88	95	95
16B	NAPROPAMIDE	50.00 DF	0.750 lb/ac PPI									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE T1025 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	AMACH	SIDSP
17A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	100	90	0	100	98	90	93	95
17B	ISOPROPALIN	6.00 E	1.000 lb/ac	PPI								
18	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					NS	8.5	NS	NS	8.0	7.1	8.0	6.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 22
 VARIETY : KY. 14-LB

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.9 O.M. : 3.50 %
 DATE TREATED : PPI MAY 22
 POT MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1991

TABLE T1026 BURLEY TOBACCO II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNI	AMACH	SIDSP	ABUTH
1	NAPROPAMIDE	50.00 DF	0.250 lb/ac	P01	88	88	0	88	95	100	100	93	93
2	NAPROPAMIDE	50.00 DF	0.500 lb/ac	P01	90	90	0	90	93	100	95	90	95
3	NAPROPAMIDE	50.00 DF	1.000 lb/ac	P01	88	90	0	88	93	98	98	90	98
4	NAPROPAMIDE	50.00 DF	2.000 lb/ac	P01	93	90	0	93	95	98	90	93	100
5	NAPROPAMIDE	2.00 E	0.250 lb/ac	P01	90	90	0	90	93	100	95	90	95
6	NAPROPAMIDE	2.00 E	0.500 lb/ac	P01	90	90	0	90	93	95	93	93	98
7	NAPROPAMIDE	2.00 E	1.000 lb/ac	P01	93	90	0	93	95	98	93	95	100
8	NAPROPAMIDE	2.00 E	2.000 lb/ac	P01	93	90	0	93	90	98	100	95	98
9	NAPROPAMIDE	50.00 WP	0.250 lb/ac	P01	90	90	0	90	93	100	93	90	98
10	NAPROPAMIDE	50.00 WP	0.500 lb/ac	P01	88	90	0	88	93	93	95	90	93
11	NAPROPAMIDE	50.00 WP	1.000 lb/ac	P01	88	90	0	88	90	100	98	93	98
12	NAPROPAMIDE	50.00 WP	2.000 lb/ac	P01	88	90	0	88	90	95	90	93	100
13	NAPROPAMIDE	1.00 EC	0.250 lb/ac	P01	88	88	0	88	93	95	93	90	93
14	NAPROPAMIDE	1.00 EC	0.500 lb/ac	P01	85	85	0	85	90	98	88	90	98
15	NAPROPAMIDE	1.00 EC	1.000 lb/ac	P01	90	88	0	90	93	95	93	88	95
16	NAPROPAMIDE	1.00 EC	2.000 lb/ac	P01	90	90	0	90	93	98	95	90	98
17	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100
18	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100
LSD(.05) :					6.3	3.4	NS	6.3	5.4	NS	7.8	4.7	5.7

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : MAY 22
VARIETY : KY. 14-L8

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5 O.M. : 3.50 %
DATE TREATED : PO1 JUNE 5