

# Herbicide Evaluation Trials - 1986

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(Not for Publication)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.

**Gene L. Olson**, technician, who provided assistance in plot establishment and field day preparation.

**Laura Boldt**, **Jerry Flint**, **Deborah MacCallum**, **Anthony Mills**, **Tim Mueller**, **Kip Sander** and **Gary Schmitz**, graduate research assistants, who made significant contributions in conducting special projects.

Thanks to **Mr. John H. Byars**, **Mr. Jeff Davis**, **Ms. Jan Hilton** and **Mr. Daryl Holland** of the Agricultural Data Center for their assistance in developing computer programs for computerizing and summarizing 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>Page</i>
<b>I. EXPERIMENTAL TECHNIQUES</b> .....	1
<b>II. ABBREVIATIONS USED IN REPORT HEADINGS</b>	
A. Weed Species.....	2
B. Miscellaneous .....	2
C. Growth Stages.....	2
1. Corn	
D. Application Times .....	3
<b>III. CLIMATOLOGICAL DATA</b>	
A. Spindletop .....	4
B. Princeton.....	10
<b>IV. HERBICIDES IN REPORT</b> .....	16
<b>V. CORN WEED CONTROL-LEXINGTON</b>	
<b>A. Control of Grass and Broadleaf Species</b>	
1. Preemergence-First Evaluation (C6001) .....	18
2. Preemergence-Second Evaluation (C6001) .....	21
3. Preplant Incorporated (C6002) .....	24
4. Postemergence (C6003) .....	25
5. Postemergence II (C6008) .....	29
6. Postemergence III (C6039) .....	31
7. Postemergence IV-First Evaluation (C6009) .....	32
8. Postemergence IV-Second Evaluation (C6009).....	33
9. No-till Stalkland-First Evaluation (C6004).....	34
10. No-till Stalkland-Second Evaluation (C6004) .....	39
<b>VI. SOYBEAN WEED CONTROL-LEXINGTON</b>	
<b>A. Control of Grass and Broadleaf Species</b>	
11. Preemergence-First Evaluation (S6011) .....	44
12. Preemergence-Second Evaluation (S6011) .....	50
13. Preemergence II-First Evaluation (S6050) .....	56
14. Preemergence II-Second Evaluation (S6050).....	59
15. Preplant Incorporated-First Evaluation (S6013).....	62
16. Preplant Incorporated-Second Evaluation (S6013).....	65
17. Preplant Incorporated II-First Evaluation (S6051) .....	68
18. Preplant Incorporated II-Second Evaluation (S6051) .....	70
19. Postemergence (S6014) .....	72
20. Postemergence II (S6027) .....	77
21. Postemergence III-First Evaluation (S6033) .....	81
22. Postemergence III-Second Evaluation (S6033).....	85
23. Postemergence IV-First Evaluation (S6034) .....	89
24. Postemergence IV-Second Evaluation (S6034).....	91
25. Postemergence VI-First Evaluation (S6052) .....	93
26. Postemergence VI-Second Evaluation (S6052).....	96

27. Reduced Tillage Early Preplant-First Evaluation (S6030) .....	99
28. Reduced Tillage Early Preplant-Second Evaluation (S6030) .....	101
29. No-till Full Season Early Preplant (S6017).....	103
30. No-till Full Season Early Preplant II (S6032) .....	107
31. No-till Full Season (S6015) .....	109
32. No-till Full Season II (S6036) .....	117
33. No-till Full Season III (S6037) .....	119
34. No-till Full Season IV (S6035) .....	120
35. No-till (S6016).....	122

**VII. CORN WEED CONTROL-PRINCETON**

**A. Specific Weed Species**

36. Johnsongrass Preemergence (C6105) .....	129
37. Johnsongrass Preplant Incorporated (C6104) .....	131

**VIII. SOYBEAN WEED CONTROL-PRINCETON**

**B. Specific Weed Species**

38. Johnsongrass Preemergence & Preplant Incorporated (S6102) .....	132
39. Johnsongrass Postemergence (S6103).....	134
40. Cocklebur Control in Soybeans (S6112) .....	138
41. Morningglory Control in Soybeans (S6117) .....	144
42. Shattercane Control in Soybeans (S6121).....	148

**IX. BURLEY TOBACCO**

43. Soil & Postemergence Applied Herbicides (T6018).....	151
--	-----

## 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 in length 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 CO<sub>2</sub>. 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 based 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>
BLNS	Eastern Black Nightshade	<i>Solanum pytcanthum</i>
CLMW	Climbing Milkweed	<i>Sarcostemma cynanchoides</i>
COCB	Common Cocklebur	<i>Xanthium pensylvanicum</i>
COLQ	Common Lambsquarters	<i>Chenopodium album</i>
CORW	Common Ragweed	<i>Ambrosia artemisiifolia</i>
GIFT	Giant Foxtail	<i>Setaria faberi</i>
HHCL	Hophornbeam Copperleaf	<i>Acalypha ostryifolia</i>
ILMG	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
JIWE	Jimsonweed	<i>Datura stramonium</i>
JOGR	Johnsongrass	<i>Sorghum halepense</i>
LACG	Large Crabgrass	<i>Digitaria sanguinalis</i>
MRTL	Marestail	<i>Conyza canadensis</i>
PESW	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
PRLE	Prickly Lettuce	<i>Lactuca serriola</i>
PRSI	Prickly Sida	<i>Sida spinosa</i>
RRPW	Redroot Pigweed	<i>Amaranthus retroflexus</i>
SHCA	Shattercane	<i>Sorghum bicolor</i>
TAMG	Tall Morningglory	<i>Ipomoea purpurea</i>
VELE	Velvetleaf	<i>Abutilon theophrasti</i>
YEFT	Yellow Foxtail	<i>Setaria glauca</i>

### B. Miscellaneous

BRLE	All Broadleaf Species
GRAS	All Grass Species
CRIN	Crop Injury

### C. Crop Growth Stages at Application

#### 1. CORN

- SPK - Spiking stage; corn just emerging from soil
- 2LF - Two fully developed leaves formed
- 3LF - Three fully developed leaves formed
- 5LF - Five fully developed leaves formed
- 6LF - Six fully developed leaves formed

## II. ABBREVIATIONS

### D. Herbicide Application Times with 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. MP —Mid-postemergence; weeds 2-4"
7. LP —Late postemergence; weeds 4-6"
8. LLP —Late, late postemergence; weeds > 18"
9. POD —Postemergence directed; to the base of the crop plant
10. SEQ —Sequential application
11. 4LF —Four leaves formed
12. 5C —5" corn
13. 10C —10" corn
14. 30C —30" corn
15. +1D —Sequential treatment applied 1 day after first application
16. +4D —Sequential treatment applied 4 days after first application
17. +7D —Sequential treatment applied 7 days after first application
18. -5D —Treatment applied 5 days before planting
19. -7D —Treatment applied 7 days before planting
20. +2W —Sequential treatment applied 2 weeks after first application
21. 10D —Sequential treatment applied 10 days after first application
22. 8J —6-10" Johnsongrass
23. 10J —10" Johnsongrass
24. 14J —14" Johnsongrass
25. 15J —12-18" Johnsongrass
26. 18J —18" Johnsongrass
27. 20J —16-24" Johnsongrass
28. 21J —18-24" Johnsongrass
29. 30J —30" Johnsongrass
30. FAL —Treatment applied in fall of preceding year
31. SPR —Treatment applied in spring of growing season

### III A. April Climatological Data, Spindletop

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
4/ 1/86		81	56	--	72	40	57	54	70	53	.31
4/ 2/86		68	50	.03	95	53	56	54	67	54	.20
4/ 3/86		80	45	--	73	40	56	53	66	49	.15
4/ 4/86		82	59	--	88	28	58	55	68	54	.25
4/ 5/86		76	62	--	71	50	58	56	68	57	.19
4/ 6/86		76	60	.13	97	61	58	56	68	56	.17
4/ 7/86		76	45	.05	100	38	59	55	68	52	.21
4/ 8/86		68	59	--	92	35	59	57	67	57	.33
4/ 9/86		49	40	TRACE	94	61	59	53	66	48	.17
4/10/86		55	33	--	92	32	53	50	56	41	.20
4/11/86		64	36	--	77	34	53	50	60	43	.18
4/12/86		74	45	--	62	30	56	51	66	46	.25
4/13/86		71	53	--	88	45	57	54	68	54	.15
4/14/86		78	46	--	92	37	58	55	70	53	.25
4/15/86		58	42	.53	100	62	58	54	65	51	.32
4/16/86		43	34	.05	100	65	54	50	52	44	.00
4/17/86		54	42	.02	100	67	50	49	50	44	.09
4/18/86		70	45	--	100	45	56	49	63	47	.13
4/19/86		72	47	.02	93	44	57	53	64	48	.15
4/20/86		63	53	.05	99	83	55	54	59	54	.05
4/21/86		52	40	.79	99	84	56	54	56	49	.28
4/22/86		46	36	.02	80	42	53	49	52	40	.18
4/23/86		57	25	--	99	32	52	47	57	39	.10
4/24/86		71	34	--	87	24	55	49	62	40	.22
4/25/86		84	54	--	59	42	58	53	69	49	.21
4/26/86		86	54	--	96	41	63	56	76	54	.25
4/27/86		88	57	--	93	42	64	59	78	59	.18
4/28/86		72	63	.09	99	57	63	61	65	62	.27
4/29/86		74	51	--	99	38	63	58	72	52	.26
4/30/86		84	51	--	77	31	64	59	76	56	.28

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY										GDD	HEAT	COOL	
	FOR PERIOD					ACCUMULATIONS								FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL					
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS
	HI	LO		HI	LO	HI	LO	HI	LO	HI	LO			
SPINDLETOP	69	47	58	89	46	57	54	65	50	1.78	5.98	337	238	40

STATION	EXTREMES FOR PERIOD										GDD	HEAT	COOL
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL					
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS
	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO			
SPINDLETOP	88	25	.79	100	24	64	47	78	39	.33	22	26	8



### III A. May Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
5/ 1/86	83	63	.20	99	36	65	61	76	62	.29
5/ 2/86	64	44	--	94	41	63	58	66	50	.33
5/ 3/86	62	34	--	89	30	62	56	65	47	.09
5/ 4/86	71	34	--	92	27	62	56	70	46	.21
5/ 5/86	82	58	--	65	38	64	58	73	55	.37
5/ 6/86	85	66	--	78	53	65	61	75	62	.26
5/ 7/86	88	67	--	94	51	67	62	80	63	.24
5/ 8/86	86	57	.28	100	46	70	64	81	64	.33
5/ 9/86	78	51	--	89	38	69	63	71	59	.25
5/10/86	82	51	--	96	46	70	66	78	60	.27
5/11/86	80	54	--	94	65	69	65	78	64	.23
5/12/86	71	63	.38	100	60	69	66	76	66	.06
5/13/86	80	63	.01	100	60	70	65	75	64	.18
5/14/86	74	53	1.08	100	73	70	65	73	63	.26
5/15/86	81	61	.07	97	62	68	65	71	63	.30
5/16/86	83	68	--	86	56	76	66	76	64	.24
5/17/86	85	65	--	94	60	73	68	82	64	.27
5/18/86	75	70	TRACE	89	73	73	69	86	67	.20
5/19/86	64	56	.02	100	85	70	67	70	63	.12
5/20/86	55	50	--	95	75	67	63	65	58	.14
5/21/86	61	43	--	100	55	63	61	61	52	.10
5/22/86	71	39	--	100	36	66	59	73	53	.16
5/23/86	69	51	--	92	69	66	64	73	58	.15
5/24/86	78	51	--	99	46	66	64	75	58	.20
5/25/86	72	62	.16	98	72	68	63	76	59	
5/26/86	69	62	.40	100	88	70	63	79	59	.37
5/27/86	78	64	.35	100	71	71	66	75	64	
5/28/86	76	63	.17	100	72	70	67	73	66	
5/29/86	78	63	.07	100	70	75	68	77	66	
5/30/86	80	62	--	99	57	75	70	77	66	
5/31/86	84	62	--	97	54	76	70	82	64	

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

#### SUMMARY

#### AVERAGES

#### FOR PERIOD

#### ACCUMULATIONS

#### FOR PERIOD

STATION	TEMP		PER AVG	RH		SOILTEMP				PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS		BARE						
						HI	LO	HI	LO					
SPINDLETOP	76	56	66	95	57	69	64	74	60	3.19	5.62	533	86	126

\*

#### EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS		BARE					
						HI	LO	HI	LO				
SPINDLETOP	88	34	1.08	100	27	76	56	86	46	.37	27	17	13

### III A. June Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO	HI	LO
6/ 1/86	84	64	--	97	53	76	72	81	67	
6/ 2/86	71	58	--	95	62	77	72	81	67	.18
6/ 3/86	82	50	--	89	50	74	67	80	59	.21
6/ 4/86	77	67	--	94	75	75	71	80	68	.15
6/ 5/86	82	68	.13	95	69	73	70	76	68	.08
6/ 6/86	85	70	.16	94	60	74	71	80	68	.20
6/ 7/86	83	70	.27	95	63	75	72	77	68	.25
6/ 8/86	87	71	.02	93	49	78	73	81	71	.26
6/ 9/86	85	68	--	97	63	78	74	83	71	.22
6/10/86	85	70	.03	94	67	77	74	82	71	.23
6/11/86	86	74	.04	96	66	78	74	83	73	.24
6/12/86	80	72	.10	94	52	77	74	81	71	.35
6/13/86	73	60	--	95	64	77	72	77	68	.13
6/14/86	87	57	--	96	44	77	70	86	64	.27
6/15/86	87	64	--	95	46	78	73	85	72	.37
6/16/86	88	70	--	90	45	79	74	85	72	.37
6/17/86	78	68	--	94	33	79	74	85	73	.36
6/18/86	80	53	--	90	31	78	72	84	68	.30
6/19/86	89	52	--	96	26	79	72	87	68	.31
6/20/86	91	65	--	91	47	79	74	86	72	.21
6/21/86	91	62	--	93	29	81	75	88	73	.39
6/22/86	95	63	--							
6/23/86	92	71	--							
6/24/86	86	70	--							
6/25/86	83	54	--							
6/26/86	87	58	--							
6/27/86	93	67	--							
6/28/86	88	73	.12							
6/29/86	91	68	--							
6/30/86	93	68	--							

\*\*\*\*\*A '^' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY										FOR PERIOD	FOR PERIOD	
	FOR PERIOD					ACCUMULATIONS							
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL				
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS
				HI	LO	HI	LO						
SPINDLETOP	85	65	75	* 94	* 52	* 77	* 72	* 82	* 69	.87	5.08	732	310
EXTREMES FOR PERIOD													
STATION	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL					
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	
					HI	LO	HI	LO					
SPINDLETOP	95	50	.27	97	26	81	67	88	59	.39	30	17	

### III A. July Climatological Data, Spindletop

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
7/ 1/86		86	71	.20							
7/ 2/86		76	69	1.90							
7/ 3/86		78	59	--							
7/ 4/86		86	58	--							
7/ 5/86		90	66	--	93	42	79	75	84	69	.32
7/ 6/86		92	72	--	92	44	82	76	87	73	.35
7/ 7/86		95	69	--	95	44	83	77	91	75	.29
7/ 8/86		93	69	--	94	46	83	78	92	77	.38
7/ 9/86		90	70	.34	100	52	88	78	90	80	.28
7/10/86		84	70	.90	95	62	81	77	82	72	.19
7/11/86		86	70	.06	94	60	81	76	82	72	.27
7/12/86		82	70	.40	95	70	80	76	82	72	.25
7/13/86		84	70	.02	96	65	79	75	79	73	.19
7/14/86		86	68	.01	97	77	79	75	82	72	.14
7/15/86		87	64	.73	96	72	80	76	85	72	.26
7/16/86		89	72	--	94	61	82	78	84	74	.31
7/17/86		94	73	--	92	49	83	79	90	74	.27
7/18/86		93	71	--	95	51	84	80	90	76	.30
7/19/86		92	67	--	94	60	84	80	94	76	.26
7/20/86		92	67	.51	92	61	83	80	95	78	.42
7/21/86		90	67	--	95	64	82	79	87	74	.25
7/22/86		89	68	--	94	48	83	79	87	74	.25
7/23/86		87	68	--	92	40	83	79	90	74	.27
7/24/86		89	62	--	93	40	82	77	93	73	.34
7/25/86		92	69	--	93	51	82	78	93	76	.26
7/26/86		92	75	--	93	55	82	78	92	78	.28
7/27/86		88	73	--	95	55	82	79	92	80	.25
7/28/86		92	62	--	95	64	83	78	92	74	.26
7/29/86		88	68	--	93	55	82	78	93	77	.31
7/30/86		88	60	--	93	27	81	77	92	74	.31
7/31/86		83	62	.17	94	45	81	76	88	73	.32

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY										GDD	HEAT	COOL	
	FOR PERIOD					ACCUMULATIONS								FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL					
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS
				HI	LO	HI	LO	HI	LO	HI	LO			
SPINDLETOP	88	68	78	* 94	* 54	* 82	* 78	* 88	* 75	5.24	7.58	825		409
STATION	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL						
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS	DAYS
SPINDLETOP	95	58	1.90	100	27	88	75	95	69	.42	31			19

### III A. August Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/86	88	60	--	95	39	78	75	90	70	.20
8/ 2/86	83	61	--	93	39	78	75	87	73	.26
8/ 3/86	85	60	--	93	29	78	75	87	71	.31
8/ 4/86	87	58	--	94	30	79	74	87	71	.38
8/ 5/86	91	55	--	94	30	79	74	89	71	.29
8/ 6/86	90	64	--	91	33	79	75	90	72	.35
8/ 7/86	87	68	.25	94	50	77	75	84	73	.26
8/ 8/86	83	69	.16	95	60	77	75	81	71	.20
8/ 9/86	86	70	--	94	56	77	75	82	71	.24
8/10/86	82	71	.11	97	65	77	75	86	71	.15
8/11/86	85	57	--	95	50	77	74	82	70	.28
8/12/86	80	58	--	94	36	77	73	83	66	.21
8/13/86	87	58	--	88	46	76	73	84	68	.27
8/14/86	92	66	--	94	37	79	75	87	72	.30
8/15/86	94	70	--	92	54	80	76	90	73	.38
8/16/86	82	71	--	93	61	85	81	89	76	.11
8/17/86	84	70	--	94	57	77	75	87	75	.15
8/18/86	87	65	--	96	39	79	75	86	72	.26
8/19/86	89	66	--	91	42	78	76	85	72	.22
8/20/86	85	69	.04	93	51	78	74	84	71	.14
8/21/86	90	67	--	95	44	77	74	84	71	.19
8/22/86	93	66	--	94	36	79	76	88	73	.35
8/23/86	91	64	.10	92	41	80	74	87	75	.32
8/24/86	83	60	--	94	24	79	73	87	79	.28
8/25/86	89	54	.02	91	17	79	72	88	66	.26
8/26/86	90	61	2.10	98	35	77	74	85	70	.20
8/27/86	76	67	.03	96	74	78	74	75	72	.19
8/28/86	68	55	.07	96	30	74	70	73	62	.26
8/29/86	71	44	.02	83	32	77	72	73	54	.25
8/30/86	78	47	--	92	32	72	67	78	57	.18
8/31/86	79	54	--	92	41	72	68	77	62	.21

\*\*\*\*\*A ' ' ABOVE A FOR PERIOD

STATION	TEMP		PER AVG	RH		SOILTEMP				PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS		BARE						
						HI	LO	HI	LO					
SPINDLETOP	85	62	74	93	42	78	74	84	70	2.90	7.65	713	12	286

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS		BARE					
						HI	LO	HI	LO				
SPINDLETOP	94	44	2.10	98	17	85	67	90	54	.38	28	7	17

### III A. September Climatological Data, Spindletop

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
								HI	LO	HI	LO
9/ 1/86		78	61	.02	99	70	71	70	73	67	.06
9/ 2/86		80	66	.77	98	59	72	70	76	67	.12
9/ 3/86		83	61	.01	98	58	74	70	78	65	.15
9/ 4/86		84	71	.08	96	67	74	72	77	70	.10
9/ 5/86		82	68	--	97	42	74	72	76	69	.12
9/ 6/86		81	51	--	98	35	80	70	80	60	.34
9/ 7/86		70	57	--	95	63	76	64	75	70	.11
9/ 8/86		74	45	.04	100	30	71	67	77	58	.14
9/ 9/86		80	45	--	96	48	70	67	80	56	.12
9/10/86		83	63	--	96	65	71	68	79	66	.26
9/11/86		83	70	--	92	66	70	69	76	68	.16
9/12/86		73	62	1.18	98	54	70	68	76	65	.40
9/13/86		77	49	--	99	41	71	67	78	60	.21
9/14/86		80	50	--	97	40	71	67	80	60	.14
9/15/86		77	60	--	88	61	70	68	74	62	.14
9/16/86		70	61	--	98	65	70	68	74	64	.11
9/17/86		81	49	--	87	51	69	66	77	57	.15
9/18/86		78	66	.07	98	73	69	68	77	66	.11
9/19/86		74	66	--	97	74	70	68	74	66	.08
9/20/86		84	64	1.24	99	66	70	68	80	64	.30
9/21/86		84	60	--	98	62	72	69	81	64	.13
9/22/86		87	66	--	97	56	72	70	81	67	.10
9/23/86		79	71	.03	95	82	72	71	81	70	.14
9/24/86		85	68	.01	98	58	72	71	78	68	.14
9/25/86		87	71	--	94	62	73	71	82	69	.23
9/26/86		87	76	.12	92	60	73	72	83	72	.25
9/27/86		88	70	.06	98	59	74	72	81	70	.16
9/28/86		90	68	1.05	97	55	74	72	83	69	.46
9/29/86		87	71	--	96	54	74	73	77	70	.24
9/30/86		86	73	--	91	60	74	73	77	70	.24

\*\*\*\*\*A '^' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY										GDD	HEAT	COOL	
	FOR PERIOD					ACCUMULATIONS								FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL					
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS
				HI	LO	HI	LO							
SPINDLETOP	81	63	72	96	58	72	69	78	66	4.68	5.41	663	10	222
STATION	EXTREMES FOR PERIOD													
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL						
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS		
					HI	LO	HI	LO						
SPINDLETOP	90	45	1.24	100	30	80	64	83	56	.46	31	5	17	

### III B. April Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP	
		HI	LO		HI	LO	GRASS		BARE			
								HI	LO	HI	LO	
4/ 1/86		82	52	--	68	32	64	60				
4/ 2/86		72	52	TRACE	98	52	64	62				
4/ 3/86		82	58	TRACE	66	32	64	60				
4/ 4/86		80	62	--	68	40	64	62				
4/ 5/86		78	60	.02	100	55	60	60				
4/ 6/86		81	60	--	98	40	64	62				
4/ 7/86		74	62	.47	98	63	65	60				
4/ 8/86		74	50	--	98	38	65	62				
4/ 9/86		60	40	--	70	30	65	62				
4/10/86		65	34	--	92	22	65	60				
4/11/86		72	37	--	89	26	60	53				
4/12/86		72	40	--	98	30	62	54				
4/13/86		79	47	--	98	30	65	57				
4/14/86		78	57	.01	92	28	65	58				
4/15/86		66	44	--	62	30	65	58				
4/16/86		49	35	TRACE	98	60	66	54				
4/17/86		62	40	--	98	45	59	53				
4/18/86		71	39	--	96	38	62	54				
4/19/86		68	52	.09	100	60	60	56				
4/20/86		60	50	.50	100	80	62	60				
4/21/86		64	46	.12	95	50	58	55				
4/22/86		65	35	--	96	32	58	52				
4/23/86		64	27	.47	100	26	60	52				
4/24/86		78	44	--	60	44	63	54				
4/25/86		86	57	--	90	40	65	59				
4/26/86		84	60	--	95	35	68	58				
4/27/86		84	52	--	100	35	65	63				
4/28/86		80	62	--	100	62	69	64				
4/29/86		79	45	--	100	28	69	60				
4/30/86		85	56	--	72	40	70	62				

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY														
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL						
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS	DAYS
	HI	LO		HI	LO	HI	LO	HI	LO	HI	LO				
PRINCETON	73	49	61	90	41	64	58				1.68		403	180	58
STATION	EXTREMES FOR PERIOD														
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL							
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS	DAYS	
	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO					
PRINCETON	86	27	.50	100	22	70	52				22	23	7		

### III B. May Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
5/ 1/86		85	63	.42	100	32	71	65			
5/ 2/86		72	46	--	94	30	72	64			
5/ 3/86		66	40	--	98	30	70	64			
5/ 4/86		75	39	--	98	20	66	65			
5/ 5/86		83	54	--	58	34	68	65			
5/ 6/86		84	68	--	82	54	70	62			
5/ 7/86		86	63	--	96	42	72	65			
5/ 8/86		89	59	--	96	38	75	68			
5/ 9/86		86	60	--	98	34	75	68			
5/10/86		88	52	--	96	30	75	68			
5/11/86		81	65	.06	98	58	77	73			
5/12/86		85	63	TRACE	98	32	76	68			
5/13/86		85	58	--	96	50	77	69			
5/14/86		85	62	.26	100	58	77	70			
5/15/86		82	62	.94	98	68	75	71			
5/16/86		81	62	.59	98	62	73	71			
5/17/86		82	66	--	98	50	74	73			
5/18/86		81	59	.48	98	78	74	69			
5/19/86		68	48	--	100	50	69	65			
5/20/86		65	44	--	100	50	70	62			
5/21/86		70	42	--	98	30	69	62			
5/22/86		75	46	--	100	45	70	62			
5/23/86		73	58	1.05	100	92	68	65			
5/24/86		78	62	.03	100	58	69	65			
5/25/86		78	60	.85	98	66	72	65			
5/26/86		75	65	.62	100	92	72	66			
5/27/86		81	62	.08	100	82	72	68			
5/28/86		80	66	.10	100	72	76	65			
5/29/86		86	66	.03	100	52	78	72			
5/30/86		86	64	--	100	50	78	74			
5/31/86		84	64	--	98	56	78	74			

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY													
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD			
STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE						
	HI	LO	AVG	HI	LO	HI	LO	HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	80	58	69	97	51	73	67			5.51		607	56	177
STATION	EXTREMES FOR PERIOD										GDD	HEAT	COOL	
	TEMP		PCPN	RH		SOILTEMP				EVAP				50
HI	LO	HI		LO	GRASS		BARE		MOD		DAYS	DAYS		
PRINCETON	89	39	1.05	100	20	78	62					26	12	11

### III B. June Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO	HI	LO
6/ 1/86	86	63	--	98	54	79	73			
6/ 2/86	74	65	TRACE	100	82	79	74			
6/ 3/86	84	59	--	98	54	80	72			
6/ 4/86	82	68	.10	100	90	80	76			
6/ 5/86	80	68	.27	100	86	75	72			
6/ 6/86	81	71	.56	98	80	78	72			
6/ 7/86	83	71	.03	100	82	78	74			
6/ 8/86	89	68	--	98	52	81	73			
6/ 9/86	86	71	.10	100	80	81	76			
6/10/86	85	72	.08	98	72	82	78			
6/11/86	85	70	.88	98	78	82	78			
6/12/86	80	66	.09	98	50	82	76			
6/13/86	80	60	--	98	50	82	72			
6/14/86	84	58	--	100	42	82	74			
6/15/86	86	63	--	98	57	81	75			
6/16/86	90	68	--	100	50	82	78			
6/17/86	88	68	--	96	38	82	76			
6/18/86	83	55	--	92	32	82	78			
6/19/86	88	56	--	98	32	84	76			
6/20/86	92	62	--	98	36	86	78			
6/21/86	93	64	--	98	48	87	78			
6/22/86	93	69	--	98	42	83	75			
6/23/86	92	71	--	98	52	84	78			
6/24/86	93	69	.06	100	40	85	76			
6/25/86	92	55	--	96	40	85	76			
6/26/86	88	58	--	96	36	86	78			
6/27/86	92	72	--	96	44	84	76			
6/28/86	92	70	--	96	48	84	74			
6/29/86	92	71	--	78	42	84	74			
6/30/86	92	71	--	98	80	84	76			

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY									
	FOR PERIOD					ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL	
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.
				HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	87	66	77	97	56	82	75	2.17	757	345

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	93	55	.88	100	32	87	72	29	17	



### III B. July Climatological Data, Princeton

	TEMP	PCPN	RH	SOILTEMP				EVAP
				HI LO		GRASS BARE		
				HI	LO	HI	LO	
7/ 1/86	93	73	--	96	50	87	79	
7/ 2/86	91	68	.76	100	40	86	78	
7/ 3/86	84	63	--	98	42	85	78	
7/ 4/86	88	64	--	96	42	84	76	
7/ 5/86	92	70	--	98	42	84	75	
7/ 6/86	94	70	--	98	42	84	75	
7/ 7/86	96	72	--	100	40	84	75	
7/ 8/86	96	70	--	98	48	85	76	
7/ 9/86	95	78	--	98	48	86	76	
7/10/86	94	70	.74	100	66	86	78	
7/11/86	89	75	--	98	68	85	76	
7/12/86	91	69	--	98	62	86	76	
7/13/86	90	69	.52	98	62	85	77	
7/14/86	88	72	.02	98	80	85	79	
7/15/86	94	68	.21	98	54	86	78	
7/16/86	97	76	--	98	55	87	79	
7/17/86	98	74	--	98	40	88	80	
7/18/86	98	72	--	98	38	88	80	
7/19/86	98	70	--	98	34	87	79	
7/20/86	92	72	--	98	54	86	79	
7/21/86	90	69	--	98	42	88	80	
7/22/86	90	66	--	98	40	86	78	
7/23/86	92	68	--	98	44	86	78	
7/24/86	96	69	--	98	38	86	79	
7/25/86	98	70	--	98	34	87	80	
7/26/86	100	77	--	98	40	89	81	
7/27/86	93	69	1.30	98	48	89	80	
7/28/86	96	72	.13	100	60	89	80	
7/29/86	95	73	--	98	60	88	80	
7/30/86	93	68	--	98	46	88	82	
7/31/86	92	74	--	90	50	88	82	

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY													
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD			
STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS	BARE	HI	LO					
			AVG			HI	LO	HI	LO			MOD	DAYS	DAYS
PRINCETON	93	71	82	98	49	86	78			3.68		882		531

STATION	EXTREMES FOR PERIOD													
	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL	
HI	LO	HI		LO	GRASS	BARE	HI	LO	50					DEG.
						HI	LO	HI	LO			MOD	DAYS	DAYS
PRINCETON	100	63	1.30	100	34	89	75					32		24

### III B. August Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/86	92	68	--	98	40	87	82			
8/ 2/86	86	62	--	98	62	86	78			
8/ 3/86	85	61	--	96	34	87	76			
8/ 4/86	84	55	--	96	38	86	74			
8/ 5/86	92	56	--	98	22	86	78			
8/ 6/86	82	65	.22	98	62	86	78			
8/ 7/86	92	68	.41	98	46	86	78			
8/ 8/86	81	68	.30	98	80	86	78			
8/ 9/86	88	68	--	98	48	82	76			
8/10/86	87	68	.98	98	64	80	75			
8/11/86	84	63	--	96	38	78	74			
8/12/86	82	51	--	98	44	78	72			
8/13/86	85	59	--	98	42	79	72			
8/14/86	90	64	--	98	44	79	74			
8/15/86	91	69	.01	98	46	80	76			
8/16/86	80	70	.38	98	78	81	77			
8/17/86	85	72	.08	98	60	81	76			
8/18/86	90	68	--	98	38	81	78			
8/19/86	86	67	--	98	48	82	76			
8/20/86	85	63	--	96	42	82	78			
8/21/86	87	63	--	96	50	82	76			
8/22/86	93	68	--	98	60	84	78			
8/23/86	92	70	--	98	54	83	78			
8/24/86	85	67	--	98	38	81	75			
8/25/86	92	70	--	96	42	82	75			
8/26/86	95	70	--	96	40	83	78			
8/27/86	94	67	TRACE	98	68	82	76			
8/28/86	70	52	.03	96	30	81	78			
8/29/86	76	44	--	96	22	80	76			
8/30/86	80	46	--	98	32	80	78			
8/31/86	80	57	--	98	50	75	70			

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY									
	FOR PERIOD					ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL	
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.
				HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	86	63	75	97	47	82	76	2.41	740	11 317

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	HI	LO	MOD	DAYS
PRINCETON	95	44	.98	98	22	87	70	29	5	18

### III B. September Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
9/ 1/86	85	60	.02	96	50	80	78			
9/ 2/86	85	62	--	98	40	81	77			
9/ 3/86	91	62	--	98	40	82	78			
9/ 4/86	92	71	.03	98	54	82	76			
9/ 5/86	82	67	--	98	28	82	76			
9/ 6/86	81	62	--	96	42	81	76			
9/ 7/86	72	58	--	92	52	79	70			
9/ 8/86	78	49	--	94	32	78	74			
9/ 9/86	86	49	--	96	30	76	74			
9/10/86	88	68	--	98	60	78	74			
9/11/86	90	70	.25	98	52	78	74			
9/12/86	79	58	.15	98	40	77	68			
9/13/86	80	52	--	98	36	77	68			
9/14/86	87	51	--	98	26	77	68			
9/15/86	85	65	--	98	32	77	68			
9/16/86	81	58	--	96	42	77	68			
9/17/86	88	58	--	98	52	78	68			
9/18/86	85	68	.52	98	88	78	70			
9/19/86	85	65	.11	100	78	77	70			
9/20/86	90	70	--	98	60	78	72			
9/21/86	90	72	--	98	50	78	72			
9/22/86	86	65	--	98	52	78	72			
9/23/86	88	70	--	98	56	78	72			
9/24/86	88	68	.85	98	48	78	73			
9/25/86	89	72	--	98	54	80	74			
9/26/86	90	71	--	98	50	79	75			
9/27/86	93	70	--	98	48	78	75			
9/28/86	92	70	--	98	42	80	75			
9/29/86	90	71	--	98	50	80	75			
9/30/86	90	71	.15	98	50	79	75			

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
 \*\*\*\*\* ONE OR MORE OF MISSING DATA FOR THAT ITEM \*\*\*\*\*

AVERAGES	SUMMARY														
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL						
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS	DAYS
	HI	LO		HI	LO	HI	LO	HI	LO	HI	LO				
PRINCETON	86	64	75	97	48	79	73			2.08		732	1	314	
STATION	EXTREMES FOR PERIOD														
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL							
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS	DAYS	
	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO					
PRINCETON	93	49	.85	100	26	82	68			29		1	17		

## IV. HERBICIDES IN REPORT

CHEMICAL/COMMON	TRADE NAME	COMPANY
2,4-D AMINE	FORMULA 40, WEEDAR 64	VERTAC, UNION CARBIDE
2,4-DB	BUTYRAC 200	UNION CARBIDE
2,4-D ESTER	ESTERON 99	VERTAC
AC 499	10-34-0	
ACIFLUORFEN 1	PURSUIT	AMERICAN CYANAMID
ACIFLUORFEN 2	BLAZER 2L	ROHM & HAAS
ALACHLOR	TACKLE	RHONE POULENC
ALACHLOR + ATRAZINE	LASSO 4E, 4MT	MONSANTO
ALACHLOR + GLYPHOSATE	LASSO/ATRAZINE	MONSANTO
	BRONCO (LASSO 2.5 + ROUNDUP 1.5)	MONSANTO
AMMONIUM SULFATE		
ATRAZINE	SHELL ATRAZINE, AATREX, AATREX NINE-0	SHELL, CIBA GEIGY
BAS 090		BASF
BAS 517		BASF
BENAZOLIN		NORAM
BENEFIN	BALAN	ELANCO
BENTAZON	BASAGRAN	BASF
BIFENOX	MODOWN	RHONE POULENC
BROMOXYNIL	BROMINAL ME4	UNION CARBIDE
BROMOXYNIL 2	BUCTRIL	RHONE POULENC
BUTYLATE + R25788	SUTAN +	STAUFFER
CGA 180937		CIBA GEIGY
CGA 24704		CIBA GEIGY
CHLORAMBEN	AMIBEN	UNION CARBIDE
CHLORIMURON	CLASSIC	DUPONT
CHLORIMURON + LINURON	GEMINI	DUPONT
CHLORIMURON+METRIBUZIN	CANOPY	DUPONT
CINMETHYLIN	CINCH	SHELL
CYANAZINE	BLADEx 4L, 80W	SHELL
CYANAZINE + ATRAZINE	EXTRAZINE	SHELL
CYCLOATE	MARATHON	STAUFFER
CROP OIL CONCENTRATE	AMOCO, PEPTOIL, TORCH	
DICAMBA	BANVEL	SANDOZ
DICAMBA + ATRAZINE	MARKSMAN	SANDOZ
DIPHENAMID	ENIDE	NORAM
DPX L8348	PREVIEW	DUPONT
DPX M6316	HARMONY	DUPONT
DPX 8259	GEMINI	DUPONT
DPX R8260	LOROX PLUS	DUPONT
EL 107		ELANCO
EPTC + R25788	ERADICANE	STAUFFER
EPTC + R25788 + R33865	ERADICANE EXTRA	STAUFFER
ETHALFLURALIN	SONALAN	ELANCO
FENOXAPROP	WHIP	AMERICAN HOECHST
FMC 57020	COMMAND	FMC
FLUAZIFOP-BUTYL	FUSILADE, FUSILADE 2000	ICI
GLYPHOSATE	ROUNDUP	MONSANTO
GLYPHOSATE+2,4-D AMINE	LANDMASTER	MONSANTO
HALOXYFOP	VERDICT	DOW
HOE 39866	IGNITE	AMERICAN HOECHST
HRAV 5306A		AMERICAN HOECHST

HRAV 5306B	SCEPTER	AMERICAN HOECHST
IMAZAQUIN	PAARLAN	AMERICIN CYANAMID
ISOPROPALIN		ELANCO
LAB 175695		BASF
LACTOFEN	COBRA	PPG
LINURON	LOROX	DUPONT
LIQUID FERTILIZER	28% NITROGEN	
METALACHLOR	DUAL	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP 6L,6LD	CIBA GEIGY
METALACHLOR+METRIBUZIN	TURBO	MOBAY
METRIBUZIN 1	SENCOR 4L,75DF	MOBAY
METRIBUZIN 1 OR 2	METRIBUZIN	
METRIBUZIN 2	LEXONE 4L,75DF	DUPONT
MFR 0481	BAYONET	MOBAY
MFR 13327		MOBAY
NANPA/DN	DYANAP 3E	UNIROYAL
NAPROPAMIDE	DEVRIKOL	STAUFFER
NAPTALAM + 2,4-DB	RESCUE	UNIROYAL
ORYZALIN	SURFLAN	ELANCO
OXYFLUORFEN	GOAL	ROHM & HAAS
PARAQUAT	PARAQUAT PLUS,GRAMOXONE	CHEVRON,ICI
PEBULATE	TILLAM	STAUFFER
PENDIMETHALIN	PROWL	AMERICAN CYANAMID
PP 021	REFLEX	ICI
PPG 1259		PPG
PYRIDATE	RS/010	RIVERSIDE TERRA
R40224	RACER	STAUFFER
RE 45601	SELECT	CHEVRON
RS 105		RIVERSIDE TERRA
SAN 582		SANDOZ
SC 0051		STAUFFER
SC 0098		STAUFFER
SC 0456		STAUFFER
SC 0735		STAUFFER
SC 0774		STAUFFER
SC 5676		STAUFFER
SC 5676 + R25788		STAUFFER
SETHOXYDIM	POAST	BASF
SIMAZINE	PRINCEP	CIBA GEIGY
SOYBEAN OIL	BIVO	
SURFACTANT	X-77,TRITON AG 98	
TD 2211		PENNWALT
TD 2212		PENNWALT
TD 2213		PENNWALT
TRIDIPHANE	TANDEM	DOW
TRIFLURALIN	TREFLAN	ELANCO
VARIQUAT		NORAM
VERNOLATE + R33865	REWARD	STAUFFER
	WEEDAR E3	UNION CARBIDE
Y6202 (QUIZALOFOP)	ASSURE	DUPONT
Y6202-31		DUPONT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 12							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	62	0	100	80	78	40	78
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	92	0	100	100	100	92	98
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	5.000 LB/AC	PRE	100	100	5	100	100	100	100	100
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	98	0	100	100	100	95	100
4B	CYANAZINE	4.00 L	2.000 LB/AC	PRE								
4C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	88	5	98	100	100	78	100
5B	BIFENOX	4.00 L	2.000 LB/AC	PRE								
6	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	52	0	100	80	72	40	72
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	92	90	0	95	100	100	90	98
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
8A	METOLACHLOR	8.00 E	4.000 LB/AC	PRE	100	90	0	100	100	100	85	95
8B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	85	0	95	88	100	78	98
9B	ATRAZINE	4.00 L	.500 LB/AC	PRE								
9C	PPG 1259	3.00 FL	.150 LB/AC	PRE								
10A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	95	10	100	100	100	95	100
10B	ATRAZINE	4.00 L	.500 LB/AC	EP								
10C	PPG 1259	3.00 FL	.100 LB/AC	EP								
11A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	98	15	100	100	100	98	100
11B	ATRAZINE	4.00 L	.500 LB/AC	EP								
11C	PPG 1259	3.00 FL	.200 LB/AC	EP								
12	ATRAZINE	4.00 L	2.000 LB/AC	PRE	62	95	0	62	100	100	95	98
13	CYANAZINE	4.00 L	3.000 LB/AC	PRE	82	88	0	82	82	100	92	98
14A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	78	92	0	78	95	100	88	90
14B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
15A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	75	75	0	80	70	100	82	98
15B	CYANAZINE	4.00 L	2.000 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 12-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	VELE
16	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	98	95	2	98	100	100	92	98
17	METALACHLOR + ATRAZI	6.00 L	9.000 LB/AC	PRE	100	100	5	100	100	100	100	100
18	METALACHLOR + ATRAZI	6.00 LD	4.500 LB/AC	PRE	98	95	0	98	100	100	95	100
19	METALACHLOR + ATRAZI	6.00 LD	9.000 LB/AC	PRE	100	100	0	100	100	100	100	100
20A	TRIDIPHANE	4.00 E	.750 LB/AC	PRE	88	98	0	78	100	100	98	100
20B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
21A	TRIDIPHANE	4.00 E	.750 LB/AC	PRE	82	88	0	85	82	100	90	100
21B	CYANAZINE	4.00 L	2.000 LB/AC	PRE								
22	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	80	90	0	82	95	100	88	95
23A	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	95	92	0	98	100	100	92	100
23B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
24A	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	88	95	0	88	98	100	98	100
24B	SIMAZINE	4.00 L	1.000 LB/AC	PRE								
25A	CGA 180937	7.80 EC	2.000 LB/AC	PRE	98	95	0	98	100	100	92	100
25B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
26A	CGA 180937	7.80 EC	4.000 LB/AC	PRE	98	95	0	98	100	100	95	100
26B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
27A	RE 45601	2.00 EC	.125 LB/AC	PRE	72	90	0	72	95	100	85	100
27B	ATRAZINE	4.00 L	2.000 LB/AC	PRE								
28A	RE 45601	2.00 EC	.250 LB/AC	PRE	75	92	0	75	98	100	92	95
28B	ATRAZINE	4.00 L	2.000 LB/AC	PRE								
29A	RE 45601	2.00 EC	.500 LB/AC	PRE	88	95	18	88	100	100	95	98
29B	ATRAZINE	4.00 L	2.000 LB/AC	PRE								
30A	SC 5676 + R25788	4.00 E	.750 LB/AC	PRE	95	92	0	95	98	100	95	88
30B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
31A	SC 5676 + R25788	4.00 E	1.000 LB/AC	PRE	100	95	0	100	100	100	92	100
31B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
32A	SC 5676 + R25788	4.00 E	1.250 LB/AC	PRE	100	95	0	100	100	100	92	100
32B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 12-----								
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	VELE	
33	SAN 582	8.00 EC	1.500 LB/AC	PRE	98	62	0	98	85	80	48	80	
34	SAN 582	8.00 EC	3.000 LB/AC	PRE	95	78	0	100	98	92	52	98	
35A	SAN 582	8.00 EC	1.500 LB/AC	PRE	100	95	0	100	100	100	95	100	
35B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
36A	SAN 582	8.00 EC	2.000 LB/AC	PRE	95	95	0	95	100	100	95	100	
36B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
37A	SAN 582	8.00 EC	1.500 LB/AC	PRE	100	88	0	100	92	100	82	100	
37B	CYANAZINE	4.00 L	2.000 LB/AC	PRE									
38	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	
LSD(05):					7	10	5	7	12	11	11	14	

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 6  
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.6 O.M.: 3.3%  
 DATE TREATED: PRE MAY 6  
 EP MAY 23



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 21-----				
					CRIN	GIFT	JIWE	COLQ	ILMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	82	78	42
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	98	100	92
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
3A	ALACHLOR	4.00 MT	5.000 LB/AC	PRE	0	100	100	100	100
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	100	100	90
4B	CYANAZINE	4.00 L	2.000 LB/AC	PRE					
4C	ATRAZINE	4.00 L	1.000 LB/AC	PRE					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	100	100	78
5B	BIFENOX	4.00 L	2.000 LB/AC	PRE					
6	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	98	82	75	48
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	95	100	100	88
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
8A	METOLACHLOR	8.00 E	4.000 LB/AC	PRE	0	100	100	100	88
8B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	95	82	100	78
9B	ATRAZINE	4.00 L	.500 LB/AC	PRE					
9C	PPG 1259	3.00 FL	.150 LB/AC	PRE					
10A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	100	100	100	95
10B	ATRAZINE	4.00 L	.500 LB/AC	EP					
10C	PPG 1259	3.00 FL	.100 LB/AC	EP					
11A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	100	100	100	98
11B	ATRAZINE	4.00 L	.500 LB/AC	EP					
11C	PPG 1259	3.00 FL	.200 LB/AC	EP					
12	ATRAZINE	4.00 L	2.000 LB/AC	PRE	0	60	100	100	92
13	CYANAZINE	4.00 L	3.000 LB/AC	PRE	0	82	85	100	85
14A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	0	75	98	100	88
14B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
15A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	0	72	60	100	80
15B	CYANAZINE	4.00 L	2.000 LB/AC	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 21-----				
					CRIN	GIFT	JIWE	COLQ	ILMG
16	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	0	95	100	100	95
17	METALACHLOR + ATRAZI	6.00 L	9.000 LB/AC	PRE	0	98	100	100	100
18	METALACHLOR + ATRAZI	6.00 LD	4.500 LB/AC	PRE	0	92	100	100	92
19	METALACHLOR + ATRAZI	6.00 LD	9.000 LB/AC	PRE	0	100	100	100	98
20A	TRIDIPHANE	4.00 E	.750 LB/AC	PRE	0	78	100	100	95
20B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
21A	TRIDIPHANE	4.00 E	.750 LB/AC	PRE	0	72	78	100	85
21B	CYANAZINE	4.00 L	2.000 LB/AC	PRE					
22	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	0	78	95	100	90
23A	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	0	98	100	100	95
23B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE					
24A	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	0	82	100	100	95
24B	SIMAZINE	4.00 L	1.000 LB/AC	PRE					
25A	CGA 180937	7.80 EC	2.000 LB/AC	PRE	0	98	100	100	95
25B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
26A	CGA 180937	7.80 EC	4.000 LB/AC	PRE	0	98	100	100	92
26B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
27A	RE 45601	2.00 EC	.125 LB/AC	PRE	0	70	92	100	88
27B	ATRAZINE	4.00 L	2.000 LB/AC	PRE					
28A	RE 45601	2.00 EC	.250 LB/AC	PRE	0	68	98	100	88
28B	ATRAZINE	4.00 L	2.000 LB/AC	PRE					
29A	RE 45601	2.00 EC	.500 LB/AC	PRE	0	78	100	100	95
29B	ATRAZINE	4.00 L	2.000 LB/AC	PRE					
30A	SC 5676 + R25788	4.00 E	.750 LB/AC	PRE	0	92	98	95	92
30B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
31A	SC 5676 + R25788	4.00 E	1.000 LB/AC	PRE	0	98	100	100	95
31B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
32A	SC 5676 + R25788	4.00 E	1.250 LB/AC	PRE	0	100	100	100	95
32B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 21-----				
					CRIN	GIFT	JIWE	COLQ	ILMG
33	SAN 582	8.00 EC	1.500 LB/AC	PRE	0	98	75	80	45
34	SAN 582	8.00 EC	3.000 LB/AC	PRE	0	100	92	92	48
35A	SAN 582	8.00 EC	1.500 LB/AC	PRE	0	98	100	100	95
35B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
36A	SAN 582	8.00 EC	2.000 LB/AC	PRE	0	95	100	100	95
36B	ATRAZINE	4.00 L	1.500 LB/AC	PRE					
37A	SAN 582	8.00 EC	1.500 LB/AC	PRE	0	100	92	100	80
37B	CYANAZINE	4.00 L	2.000 LB/AC	PRE					
38	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100
			LSD(05):		0	7	13	11	11

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
 DATE PLANTED: MAY 6 PH: 6.6 O.M.: 3.3%  
 VARIETY: PIONEER 3369A DATE TREATED: PRE MAY 6  
 EP MAY 23

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 12-----						-----JULY 13-----					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	CRIN	GIFT	JIWE	COLQ	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	90	92	0	90	98	100	90	0	88	100	100	80
1B	ATRAZINE	4.00 L	1.500 LB/AC	PPI												
2A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	95	95	0	95	100	100	95	0	92	100	100	92
2B	ATRAZINE	4.00 L	1.500 LB/AC	PPI												
3A	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI	82	95	0	82	100	100	98	0	78	100	100	92
3B	ATRAZINE	4.00 L	1.500 LB/AC	PPI												
4A	CYANAZINE + ATRAZINE	4.00 L	2.500 LB/AC	PPI	92	92	0	92	98	100	98	0	88	100	100	80
4B	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI												
5A	CYANAZINE + ATRAZINE	4.00 L	2.500 LB/AC	PPI	98	98	0	98	100	100	98	0	92	100	100	90
5B	EPTC+R25788+R33865	6.00 EC	4.000 LB/AC	PPI												
6A	TRIDIPHANE	4.00 E	.750 LB/AC	PPI	68	92	0	68	98	100	98	0	55	100	100	90
6B	ATRAZINE	4.00 L	1.500 LB/AC	PPI												
7A	TRIDIPHANE	4.00 E	.750 LB/AC	PPI	75	80	0	75	82	100	78	0	70	70	100	70
7B	CYANAZINE	4.00 L	2.000 LB/AC	PPI												
8A	CYCLOATE	6.00 E	4.000 LB/AC	PPI	92	95	0	92	100	100	95	0	85	100	100	95
8B	ATRAZINE	4.00 L	1.500 LB/AC	PPI												
9A	CYCLOATE	6.00 E	6.000 LB/AC	PPI	88	92	0	88	100	100	92	0	88	100	100	90
9B	ATRAZINE	4.00 L	1.500 LB/AC	PPI												
10	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD(05):		9	7	0	9	9	0	9	0	12	11	0	14

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 6  
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.6 O.M.: 3.3%  
 DATE TREATED: PPI MAY 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						---8 WEEKS AFTER APPLICATION---					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	VELE	CRIN	GIFT	JIWE	COLQ	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	68	0	90	95	65	60	0	90	95	65	60
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	2	98	98	95	95	0	90	95	95	92
2B	ATRAZINE	4.00 L	.500 LB/AC	4LF												
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	2	98	100	100	100	2	95	100	98	98
3B	ATRAZINE	4.00 L	1.000 LB/AC	4LF												
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	0	98	98	95	92	0	98	98	95	92
4B	DICAMBA	4.00 S	.250 LB/AC	EP												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	0	95	100	98	92	0	95	100	98	92
5B	2,4-D AMINE	4.00 E	.500 LB/AC	EP												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	98	0	92	100	100	100	0	92	92	98	98
6B	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	95	0	98	100	100	98	2	90	88	92	92
7B	BROMOXYNIL 2	2.00 E	.380 LB/AC	4LF												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	2	95	100	98	100	5	88	98	95	100
8B	BROMOXYNIL 2	2.00 E	.250 LB/AC	6LF												
8C	ATRAZINE	4.00 L	1.200 LB/AC	6LF												
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	100	2	90	100	100	100	0	88	100	100	100
9B	BROMOXYNIL 2	2.00 E	.250 LB/AC	6LF												
9C	DICAMBA	4.00 S	.250 LB/AC	6LF												
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	5	95	100	100	100	2	90	98	95	95
10B	BROMOXYNIL 2	2.00 E	.250 LB/AC	6LF												
10C	CYANAZINE	80.00 WP	.500 LB/AC	6LF												
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	92	100	100	98	0	88	98	98	90
11B	BROMOXYNIL 2	2.00 E	.250 LB/AC	6LF												
11C	2,4-D AMINE	4.00 E	.250 LB/AC	6LF												
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	98	0	92	100	100	98	5	90	100	100	90
12B	BROMOXYNIL	2.00 E	.250 LB/AC	6LF												
12C	ATRAZINE	4.00 L	.500 LB/AC	6LF												
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	0	95	100	100	100	2	92	98	95	98
13B	BROMOXYNIL	2.00 E	.380 LB/AC	6LF												
13C	ATRAZINE	4.00 L	.750 LB/AC	6LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						---8 WEEKS AFTER APPLICATION---					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	VELE	CRIN	GIFT	JIWE	COLQ	VELE
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	95	98	95	95	2	88	98	95	88
14B	BENAZOLIN	4.00 F	.250 LB/AC	MP												
14C	ATRAZINE	4.00 L	.250 LB/AC	MP												
14D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	95	0	90	100	98	100	0	88	100	98	95
15B	BENAZOLIN	4.00 F	.250 LB/AC	MP												
15C	ATRAZINE	4.00 L	.500 LB/AC	MP												
15D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	92	0	100	100	100	98	0	100	100	100	98
16B	RS-015	60.00 WP	1.750 LB/AC	EP												
17	ATRAZINE	4.00 L	.500 LB/AC	EP	32	78	0	45	92	98	75	0	32	92	98	75
18	ATRAZINE	4.00 L	1.000 LB/AC	EP	40	92	0	40	100	100	90	0	40	100	100	90
19A	ATRAZINE	4.00 L	2.000 LB/AC	2LF	85	95	2	88	98	100	100	2	88	98	100	100
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF												
20A	ATRAZINE	4.00 L	2.000 LB/AC	5LF	55	98	5	55	100	98	98	5	52	100	98	98
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												
21A	PENDIMETHALIN	4.00 E	1.500 LB/AC	SPK	88	92	0	90	100	100	95	0	90	100	100	95
21B	ATRAZINE	4.00 L	1.500 LB/AC	SPK												
22A	PENDIMETHALIN	4.00 E	1.500 LB/AC	3LF	90	100	2	90	100	100	100	2	88	95	98	98
22B	ATRAZINE	4.00 L	1.500 LB/AC	3LF												
23A	PENDIMETHALIN	4.00 E	1.500 LB/AC	SPK	90	90	0	90	90	100	92	0	90	90	100	92
23B	CYANAZINE	80.00 WP	2.000 LB/AC	SPK												
24A	PENDIMETHALIN	4.00 E	1.500 LB/AC	3LF	90	98	5	90	98	100	100	2	88	98	98	98
24B	CYANAZINE	80.00 WP	2.000 LB/AC	3LF												
25A	TRIDIPHANE	4.00 E	.500 LB/AC	SPK	88	92	0	90	100	100	100	0	90	100	100	100
25B	ATRAZINE	4.00 L	1.500 LB/AC	SPK												
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SPK												
26A	TRIDIPHANE	4.00 E	.500 LB/AC	2LF	95	98	12	95	100	100	100	12	95	100	100	100
26B	ATRAZINE	4.00 L	1.500 LB/AC	2LF												
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF												
27A	TRIDIPHANE	4.00 E	.500 LB/AC	5LF	88	100	2	90	100	100	100	0	85	100	98	100
27B	ATRAZINE	4.00 L	1.500 LB/AC	5LF												
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							---8 WEEKS AFTER APPLICATION				
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	VELE	CRIN	GIFT	JIWE	COLQ	VELE
28A	TRIDIPHANE	4.00 E	.500	LB/AC 5LF	90	98	10	90	100	98	100	5	80	95	95	98
28B	ATRAZINE	4.00 L	2.000	LB/AC 5LF												
28C	OIL CONCENTRATE	.00 AD	1.000	QT/AC 5LF												
29A	TRIDIPHANE	4.00 E	.500	LB/AC SPK	90	95	10	90	100	100	100	10	90	100	100	100
29B	ATRAZINE	4.00 L	.800	LB/AC SPK												
29C	CYANAZINE	80.00 WP	.800	LB/AC SPK												
30A	TRIDIPHANE	4.00 E	.500	LB/AC 2LF	98	92	22	100	100	100	100	18	98	100	98	100
30B	ATRAZINE	4.00 L	.800	LB/AC 2LF												
30C	CYANAZINE	80.00 WP	.800	LB/AC 2LF												
31A	TRIDIPHANE	4.00 E	.500	LB/AC 2LF	95	90	12	95	100	100	98	8	95	100	100	98
31B	ATRAZINE	4.00 L	1.250	LB/AC 2LF												
31C	CYANAZINE	80.00 WP	.400	LB/AC 2LF												
31D	BIVO	.00 AD	.500	QT/AC 2LF												
32A	TRIDIPHANE	4.00 E	.500	LB/AC 5LF	90	98	18	90	100	100	100	2	80	95	98	100
32B	ATRAZINE	4.00 L	1.250	LB/AC 5LF												
32C	CYANAZINE	80.00 WP	.400	LB/AC 5LF												
32D	BIVO	.00 AD	.500	QT/AC 5LF												
33A	TRIDIPHANE	4.00 E	.500	LB/AC 5LF	90	98	10	90	100	100	98	0	82	100	100	98
33B	ATRAZINE	4.00 L	1.500	LB/AC 5LF												
33C	OIL CONCENTRATE	.00 AD	1.000	QT/AC 5LF												
33D	ATRAZINE	4.00 L	1.000	LB/AC +7D												
33E	OIL CONCENTRATE	.00 AD	1.000	QT/AC +7D												
34	SC 0051	3.00 E	.250	LB/AC EP	32	92	0	32	100	95	95	0	30	100	95	95
35	SC 0051	3.00 E	.500	LB/AC EP	38	100	0	52	100	100	100	0	38	100	100	100
36	SC 0051	3.00 E	1.000	LB/AC EP	60	100	0	60	100	100	100	0	60	100	100	100
37A	SC 0051	3.00 E	.250	LB/AC EP	30	100	0	30	100	100	100	0	30	100	100	100
37B	ATRAZINE	4.00 L	.500	LB/AC EP												
38A	SC 0051	3.00 E	.250	LB/AC EP	58	98	0	58	100	100	100	0	58	100	100	100
38B	ATRAZINE	4.00 L	1.000	LB/AC EP												
39A	SC 0051	3.00 E	.500	LB/AC EP	55	98	0	55	100	100	100	0	55	100	100	100
39B	ATRAZINE	4.00 L	.500	LB/AC EP												
40A	SC 0051	3.00 E	.500	LB/AC EP	75	95	0	75	92	100	100	0	75	98	100	100
40B	ATRAZINE	4.00 L	1.000	LB/AC EP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----								---8 WEEKS AFTER APPLICATION---			APPLICATION	
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	VELE	CRIN	GIFT	JIWE	COLQ	VELE	
41A	SC 0051	3.00 E	1.000 LB/AC	EP	78	100	8	78	100	100	100	5	75	100	100	100	
41B	ATRAZINE	4.00 L	.500 LB/AC	EP													
42A	SC 0051	3.00 E	1.000 LB/AC	EP	88	100	0	92	100	100	100	2	90	98	100	98	
42B	ATRAZINE	4.00 L	1.000 LB/AC	EP													
43A	PYRIDATE	45.00 WP	.900 LB/AC	EP	75	98	0	75	100	100	100	0	75	100	100	100	
43B	ATRAZINE	4.00 L	1.500 LB/AC	EP													
44A	PYRIDATE	45.00 WP	.900 LB/AC	EP	90	92	8	90	100	98	98	8	90	100	98	98	
44B	CYANAZINE	80.00 WP	1.500 LB/AC	EP													
45	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100	
LSD(05):					10	7	5	13	5	4	7	6	11	6	5	8	

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 6  
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.8%  
 DATE TREATED: PRE MAY 6  
 SPK MAY 12  
 2LF MAY 16  
 3LF MAY 20  
 EP, 4LF MAY 22  
 MP, 5LF MAY 28  
 6LF JUNE 2  
 +7D JUNE 6



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6008 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				-----8 WEEKS AFTER APPLIED -----							
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	VELE	CRIN	GIFT	COLQ	CLMW	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	90	88	85	80	0	90	82	78	75
1B	DICAMBA	4.00 S	.250 LB/AC	10C												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	90	0	92	95	92	90	0	90	92	85	85
2B	DICAMBA	4.00 S	.380 LB/AC	10C												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	0	95	100	92	95	0	92	98	92	92
3B	DICAMBA	4.00 S	.500 LB/AC	5C												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	92	98	95	98	0	90	98	95	98
4B	DICAMBA	4.00 S	.250 LB/AC	10C												
4C	2,4-D AMINE	4.00 E	.250 LB/AC	10C												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	85	2	92	92	92	92	0	88	90	90	88
5B	METRIBUZIN 2	4.00 L	.120 LB/AC	4LF												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	80	5	95	92	90	90	2	92	90	85	85
6B	METRIBUZIN 2	4.00 L	.250 LB/AC	4LF												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	95	2	98	100	95	100	2	92	95	90	92
7B	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	5C												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	82	0	92	90	88	82	0	88	80	85	78
8B	DPX M6316	75.00 DF	.008 LB/AC	4LF												
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	82	10	90	88	88	85	0	90	85	85	82
9B	DPX M6316	75.00 DF	.016 LB/AC	4LF												
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	85	8	90	95	88	90	0	88	95	88	90
10B	DPX M6316	75.00 DF	.032 LB/AC	4LF												
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	88	2	92	95	90	92	2	90	95	90	92
11B	DPX M6316	75.00 DF	.008 LB/AC	4LF												
11C	METRIBUZIN 2	4.00 L	.120 LB/AC	4LF												
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	8	98	100	98	95	2	92	100	95	95
12B	DPX M6316	75.00 DF	.016 LB/AC	4LF												
12C	METRIBUZIN 2	4.00 L	.120 LB/AC	4LF												
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	95	0	95	100	98	98	0	92	95	92	92
13B	DPX M6316	75.00 DF	.008 LB/AC	4LF												
13C	2,4-D AMINE	4.00 E	.500 LB/AC	4LF												
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	0	95	98	90	92	0	90	98	90	92
14B	DPX M6316	75.00 DF	.008 LB/AC	4LF												
14C	DICAMBA	4.00 S	.250 LB/AC	4LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6008 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				-----8 WEEKS AFTER APPLIED -----							
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	VELE	CRIN	GIFT	COLQ	CLMW	VELE
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	0	98	100	92	95	0	92	100	90	92
15B	DPX M6316	75.00 DF	.008 LB/AC	4LF												
15C	ATRAZINE	4.00 L	.500 LB/AC	4LF												
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	88	2	95	100	92	100	2	95	98	92	100
16B	DPX M6316	75.00 DF	.008 LB/AC	4LF												
16C	ATRAZINE	4.00 L	1.000 LB/AC	4LF												
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	8	92	100	95	100	2	92	100	95	100
17B	DPX M6316	75.00 DF	.016 LB/AC	4LF												
17C	ATRAZINE	4.00 L	.500 LB/AC	4LF												
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	5	95	98	98	98	0	90	98	95	98
18B	DPX M6316	75.00 DF	.016 LB/AC	4LF												
18C	ATRAZINE	4.00 L	1.000 LB/AC	4LF												
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
LSD(05):					NS	10	5	NS	8	NS	9	NS	NS	11	9	11

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 6  
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.0%  
 DATE TREATED: PRE MAY 6  
 5C MAY 20  
 4LF MAY 22  
 10C MAY 28

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6039 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED --					
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	VELE	CRIN	GIFT	COLQ	CLMW	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	88	0	90	98	90	90	0	90	92	82	88
1B	BROMOXYNIL	4.00 E	.250 LB/AC	4LF												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	90	0	92	98	90	95	0	88	92	85	95
2B	BROMOXYNIL	4.00 E	.500 LB/AC	4LF												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	0	95	100	90	95	0	92	100	90	95
3B	BROMOXYNIL PKG. MIX	2.00 E	.250 LB/AC	4LF												
3C	WITH ATRAZINE	4.00 L	.320 LB/AC	4LF												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	90	0	92	98	92	88	0	90	95	90	88
4B	BROMOXYNIL	4.00 E	.250 LB/AC	4LF												
4C	DICAMBA	4.00 S	.125 LB/AC	4LF												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	92	0	92	95	95	98	2	88	92	90	90
5B	BROMOXYNIL	4.00 E	.250 LB/AC	4LF												
5C	2 4 D AMINE	3.00 EC	.125 LB/AC	4LF												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	0	95	100	95	95	0	90	100	92	95
6B	BROMOXYNIL PKG. MIX	2.00 E	.300 LB/AC	4LF												
6C	WITH ATRAZINE	4.00 L	.400 LB/AC	4LF												

LSD(05): NS NS 0 NS NS NS NS NS NS NS NS NS NS NS NS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 3.0%  
 DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 6  
 VARIETY: PIONEER 3369A 4LF MAY 22

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6009 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----								
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	CLMW	ILMG	
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
1B	GLYPHOSATE	4.00 E	.250 LB/AC	30C	98	82	8	98	95	88	88	82	
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
2B	GLYPHOSATE	4.00 E	.375 LB/AC	30C	95	85	18	95	100	90	88	85	
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
3B	GLYPHOSATE	4.00 E	.500 LB/AC	30C	95	85	10	95	100	88	90	88	
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
4B	GLYPHOSATE	4.00 E	.375 LB/AC	50%	90	80	50	90	98	85	88	85	
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
5B	GLYPHOSATE + 2 4 D	3.20 EC	.625 LB/AC	30C	98	90	5	98	100	100	92	92	
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
6B	GLYPHOSATE + 2 4 D	3.20 EC	1.000 LB/AC	30C	95	85	10	95	100	85	82	92	
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
7B	SETHOXYDIM	1.53 EC	.100 LB/AC	30C	95	50	5	95	78	60	58	55	
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	30C									
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
8B	LINURON	4.00 L	1.000 LB/AC	30C	100	85	2	100	100	92	90	85	
8C	X-77 (SURFACTANT)	.50 WA	.500 %	30C									
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
9B	ATRAZINE	4.00 L	1.500 LB/AC	PRE	98	58	0	88	62	62	58	60	
10	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	
LSD(05):					NS	7	8	NS	5	10	9	8	

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%  
 DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 7  
 VARIETY: PIONEER 3369A 30C, 50% JUNE 112  
 ALL TREATMENTS 10 GPA  
 50% = SPRAY PATTERN APPLIED TO LOWER 50% OF PLANT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6009 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	JIWE	COLQ	CLMW	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	8	95	92	88	88	82
1B	GLYPHOSATE	4.00 E	.250 LB/AC	30C						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	15	92	98	90	88	85
2B	GLYPHOSATE	4.00 E	.375 LB/AC	30C						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	95	98	88	90	88
3B	GLYPHOSATE	4.00 E	.500 LB/AC	30C						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	48	88	92	85	88	85
4B	GLYPHOSATE	4.00 E	.375 LB/AC	50%						
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	98	98	98	88	92
5B	GLYPHOSATE + 2 4 D	3.20 EC	.625 LB/AC	30C						
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	8	95	98	90	80	92
6B	GLYPHOSATE + 2 4 D	3.20 EC	1.000 LB/AC	30C						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	90	78	60	55	55
7B	SETHOXYDIM	1.53 EC	.100 LB/AC	30C						
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	30C						
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	95	98	90	88	85
8B	LINURON	4.00 L	1.000 LB/AC	30C						
8C	X-77 (SURFACTANT)	.50 WA	.500 %	30C						
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	62	62	55	60
9B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
10	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
			LSD(05):		7	NS	7	8	9	8

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%  
 DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 7  
 VARIETY: PIONEER 3369A 30C, 50% JUNE 112  
 ALL TREATMENTS 10 GPA  
 50% = SPRAY PATTERN APPLIED TO LOWER 50% OF PLANT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	LACG	GIFT	YEFT	COLQ	MRTL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	100	0	90	85	100	100	100
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
1C	PARAQUAT	2.00 E	.250 LB/AC	PRE								
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	82	100	0	85	82	100	100	98
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	82	100	0	98	82	95	100	98
3B	CYANAZINE	4.00 L	2.000 LB/AC	PRE								
3C	PARAQUAT	2.00 E	.250 LB/AC	PRE								
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	78	90	8	88	82	100	90	100
4B	PARAQUAT	2.00 E	.250 LB/AC	PRE								
4C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
4D	DICAMBA	4.00 S	.250 LB/AC	EP								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	100	0	95	88	98	100	100
5B	PARAQUAT	2.00 E	.250 LB/AC	PRE								
5C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
5D	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP								
6A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	82	100	0	95	85	92	100	100
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	82	100	0	92	85	100	100	100
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
7C	PARAQUAT	2.00 E	.250 LB/AC	PRE								
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	75	72	10	98	75	98	72	98
8B	HOE 39866	1.67 AS	.890 LB/AC	PRE								
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	62	10	95	98	100	62	100
9B	HOE 39866	1.67 AS	1.100 LB/AC	PRE								
10A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	80	75	0	90	88	90	75	98
10B	HOE 39866	1.67 AS	1.250 LB/AC	PRE								
11A	METOLACHLOR	8.00 E	2.500 LB/AC	EPP	90	100	0	95	95	100	100	100
11B	ATRAZINE	4.00 L	1.000 LB/AC	EPP								
11C	ATRAZINE	4.00 L	.750 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	LACG	GIFT	YEFT	COLQ	MRTL
12A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	85	100	0	90	92	98	100	100
12B	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
12C	PPG 1259	3.00 FL	.150 LB/AC	PRE								
12D	PARAQUAT	2.00 E	.250 LB/AC	PRE								
12E	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
13A	METOLACHLOR	8.00 E	2.500 LB/AC	EPP	92	100	10	95	95	100	100	100
13B	ATRAZINE	4.00 L	1.000 LB/AC	EPP								
13C	ATRAZINE	4.00 L	.750 LB/AC	PRE								
13D	PPG 1259	3.00 FL	.150 LB/AC	PRE								
14A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	90	100	0	92	88	100	100	100
14B	HOE 39866	1.67 AS	.890 LB/AC	PRE								
15A	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	88	100	0	100	88	95	100	100
15B	HOE 39866	1.67 AS	1.100 LB/AC	PRE								
16A	METALACHLOR + ATRAZI	6.00 L	5.000 LB/AC	PRE	92	100	0	100	95	98	100	100
16B	HOE 39866	1.67 AS	1.250 LB/AC	PRE								
17A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	100	100	0	100	100	100	100	100
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP								
17C	TRIDIPHANE	4.00 E	.500 LB/AC	3LF								
17D	ATRAZINE	4.00 L	1.500 LB/AC	3LF								
17E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF								
18A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	100	100	0	100	100	100	100	100
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP								
18C	TRIDIPHANE	4.00 E	.500 LB/AC	3LF								
18D	CYANAZINE	80.00 WP	.400 LB/AC	3LF								
18E	ATRAZINE	4.00 L	1.500 LB/AC	3LF								
18F	BIVO	.00 AD	.500 QT/AC	3LF								
19A	CYANAZINE	4.00 L	.500 LB/AC	EPP	92	100	0	100	92	100	100	100
19B	ATRAZINE	4.00 L	1.000 LB/AC	EPP								
19C	2,4-D AMINE	4.00 E	.750 LB/AC	EPP								
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP								
19E	TRIDIPHANE	4.00 E	.500 LB/AC	3LF								
19F	ATRAZINE	4.00 L	1.500 LB/AC	3LF								
19G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF								
20A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	82	100	0	82	88	98	100	100
20B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
20C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
20D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	LACG	GIFT	YEFT	COLQ	MRTL
21A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	88	100	0	88	95	92	100	100
21B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
21C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
22A	CYANAZINE	4.00 L	3.000 LB/AC	PRE	90	100	0	98	92	100	100	100
22B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
22C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
22D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
23A	CYANAZINE	4.00 L	3.000 LB/AC	PRE	85	100	0	90	88	92	100	100
23B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
23C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
24A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	98	100	0	100	98	100	100	100
24B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
24C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
24D	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
24E	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
25A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	92	100	0	98	92	100	100	100
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
25C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
25D	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
25E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
26A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	95	100	0	95	95	98	100	100
26B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
26C	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
27A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	85	100	0	90	90	100	100	100
27B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
28A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	88	100	0	90	92	100	100	100
28B	PARAQUAT	2.00 E	.250 LB/AC	PRE								
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
28D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
29A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	82	100	0	90	88	98	100	100
29B	PARAQUAT	2.00 E	.250 LB/AC	PRE								
29C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
30A	PARAQUAT	2.00 E	.250 LB/AC	PRE	75	85	0	80	80	98	85	95
30B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
30C	EPTC + R-25788	6.70 E	4.000 LB/AC	IMP								
30D	ATRAZINE	4.00 L	1.500 LB/AC	IMP								



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	LACG	GIFT	YEFT	COLQ	MRTL
31A	PARAQUAT	2.00 E	.250 LB/AC	PRE	82	72	25	92	82	98	95	100
31B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
31C	EPTC + R-25788	6.70 E	6.000 LB/AC	IMP								
31D	ATRAZINE	4.00 L	1.500 LB/AC	IMP								
32A	PARAQUAT	2.00 E	.250 LB/AC	PRE	90	98	0	100	90	100	100	98
32B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
32C	EPTC + R-25788	6.70 E	4.000 LB/AC	PRE								
32D	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
33A	PARAQUAT	2.00 E	.250 LB/AC	PRE	98	100	0	98	100	100	100	100
33B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
33C	EPTC + R-25788	6.70 E	6.000 LB/AC	PRE								
33D	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
34A	PARAQUAT	2.00 E	.250 LB/AC	PRE	50	98	0	68	68	98	98	98
34B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
34C	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	IMP								
34D	ATRAZINE	4.00 L	1.500 LB/AC	IMP								
35A	PARAQUAT	2.00 E	.250 LB/AC	PRE	48	80	0	70	50	90	82	88
35B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
35C	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	IMP								
35D	ATRAZINE	4.00 L	1.500 LB/AC	IMP								
36A	PARAQUAT	2.00 E	.250 LB/AC	PRE	82	100	0	88	90	98	100	98
36B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
36C	BUTYLATE + R25788	4.00 S	4.000 LB/AC	PRE								
36D	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
37A	PARAQUAT	2.00 E	.250 LB/AC	PRE	88	100	0	95	90	98	98	100
37B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
37C	BUTYLATE + R25788	4.00 S	6.000 LB/AC	PRE								
37D	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
38A	PARAQUAT	2.00 E	.250 LB/AC	EPP	88	100	0	100	88	100	100	100
38B	ATRAZINE	4.00 L	1.000 LB/AC	EPP								
38C	X-77 (SURFACTANT)	.50 WA	.250 %	EPP								
38D	TRIDIPHANE	4.00 E	.500 LB/AC	3LF								
38E	ATRAZINE	4.00 L	1.500 LB/AC	3LF								
38F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF								
39A	PARAQUAT	2.00 E	.250 LB/AC	PRE	50	100	2	62	78	98	100	100
39B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
39C	PYRIDATE	45.00 WP	.900 LB/AC	EP								
39D	ATRAZINE	4.00 L	1.500 LB/AC	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	LACG	GIFT	YEFT	COLQ	MRTL
40A	PARAQUAT	2.00 E	.250 LB/AC	PRE	52	100	15	52	80	100	100	100
40B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
40C	PYRIDATE	45.00 WP	.900 LB/AC	EP								
40D	CYANAZINE	80.00 WP	1.500 LB/AC	EP								
41A	HOE 39866	1.67 AS	.750 LB/AC	PRE	48	100	0	65	60	92	100	100
41B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
42A	HOE 39866	1.67 AS	.750 LB/AC	PRE	88	100	0	98	90	98	100	100
42B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
42C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE								
43A	HOE 39866	1.67 AS	.750 LB/AC	PRE	85	100	0	95	85	100	100	100
43B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
43C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
44A	HOE 39866	1.67 AS	.750 LB/AC	PRE	92	100	0	100	92	100	100	100
44B	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
44C	TRIDIPHANE	4.00 E	.500 LB/AC	3LF								
44D	ATRAZINE	4.00 L	1.000 LB/AC	3LF								
44E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF								
45A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	50	100	0	52	85	92	100	100
45B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
45C	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
45D	2,4-D AMINE	4.00 E	.500 LB/AC	PRE								
46A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	72	100	0	85	75	98	100	100
46B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
46C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
46D	CYANAZINE	4.00 L	2.000 LB/AC	PRE								
46E	2,4-D AMINE	4.00 E	.500 LB/AC	PRE								

LSD(05): 15 14 11 14 16 6 10 4

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.7 O.M.: 4.4%  
 DATE PLANTED: MAY 7 DATE TREATED: EPP APRIL 25  
 VARIETY: PIONEER 3369A PRE MAY 7  
 SEQ MAY 7  
 3LF MAY 22  
 EP MAY 28

TREATMENTS 30,31,34,35 ARE IMPREGNATED  
 TREATMENTS 32,33,36,37 ARE ENCAPSULATED

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	LACG	GIFT	YEFT	COLQ	MRTL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	92	98	100	100
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
1C	PARAQUAT	2.00 E	.250 LB/AC	PRE						
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	82	82	100	100	98
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	80	98	100	98
3B	CYANAZINE	4.00 L	2.000 LB/AC	PRE						
3C	PARAQUAT	2.00 E	.250 LB/AC	PRE						
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	85	75	100	95	100
4B	PARAQUAT	2.00 E	.250 LB/AC	PRE						
4C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
4D	DICAMBA	4.00 S	.250 LB/AC	EP						
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	88	100	100	100
5B	PARAQUAT	2.00 E	.250 LB/AC	PRE						
5C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
5D	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP						
6A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	0	90	85	90	78	78
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	88	85	100	100	100
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
7C	PARAQUAT	2.00 E	.250 LB/AC	PRE						
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	95	82	98	68	98
8B	HOE 39866	1.67 AS	.890 LB/AC	PRE						
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	2	92	92	100	68	98
9B	HOE 39866	1.67 AS	1.100 LB/AC	PRE						
10A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	90	85	92	70	98
10B	HOE 39866	1.67 AS	1.250 LB/AC	PRE						
11A	METOLACHLOR	8.00 E	2.500 LB/AC	EPP	0	95	92	100	100	100
11B	ATRAZINE	4.00 L	1.000 LB/AC	EPP						
11C	ATRAZINE	4.00 L	.750 LB/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ----					
					CRIN	LACG	GIFT	YEFT	COLQ	MRTL
12A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	88	92	98	100	100
12B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
12C	PPG 1259	3.00 FL	.150 LB/AC	PRE						
12D	PARAQUAT	2.00 E	.250 LB/AC	PRE						
12E	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
13A	METOLACHLOR	8.00 E	2.500 LB/AC	EPP	8	95	92	100	100	100
13B	ATRAZINE	4.00 L	1.000 LB/AC	EPP						
13C	ATRAZINE	4.00 L	.750 LB/AC	PRE						
13D	PPG 1259	3.00 FL	.150 LB/AC	PRE						
14A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	0	92	90	98	100	100
14B	HOE 39866	1.67 AS	.890 LB/AC	PRE						
15A	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	0	95	90	95	100	100
15B	HOE 39866	1.67 AS	1.100 LB/AC	PRE						
16A	METALACHLOR + ATRAZI	6.00 L	5.000 LB/AC	PRE	0	98	92	100	100	100
16B	HOE 39866	1.67 AS	1.250 LB/AC	PRE						
17A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	0	100	100	100	100	100
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP						
17C	TRIDIPHANE	4.00 E	.500 LB/AC	3LF						
17D	ATRAZINE	4.00 L	1.500 LB/AC	3LF						
17E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF						
18A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	0	100	100	100	100	100
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP						
18C	TRIDIPHANE	4.00 E	.500 LB/AC	3LF						
18D	CYANAZINE	80.00 WP	.400 LB/AC	3LF						
18E	ATRAZINE	4.00 L	1.500 LB/AC	3LF						
18F	BIVO	.00 AD	.500 QT/AC	3LF						
19A	CYANAZINE	4.00 L	.500 LB/AC	EPP	0	100	92	98	100	100
19B	ATRAZINE	4.00 L	1.000 LB/AC	EPP						
19C	2,4-D AMINE	4.00 E	.750 LB/AC	EPP						
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP						
19E	TRIDIPHANE	4.00 E	.500 LB/AC	3LF						
19F	ATRAZINE	4.00 L	1.500 LB/AC	3LF						
19G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF						
20A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	0	78	85	98	100	100
20B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
20C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
20D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	LACG	GIFT	YEFT	COLQ	MRTL
21A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	0	88	95	90	100	100
21B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
21C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE						
22A	CYANAZINE	4.00 L	3.000 LB/AC	PRE	0	98	92	100	100	100
22B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
22C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
22D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE						
23A	CYANAZINE	4.00 L	3.000 LB/AC	PRE	0	90	88	95	100	100
23B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
23C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE						
24A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	98	98	98	100	100
24B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
24C	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
24D	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
24E	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE						
25A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	98	92	100	100	100
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
25C	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
25D	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
25E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE						
26A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	0	90	95	98	100	100
26B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
26C	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE						
27A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	0	90	92	100	100	100
27B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE						
28A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	0	85	95	100	100	100
28B	PARAQUAT	2.00 E	.250 LB/AC	PRE						
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
28D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE						
29A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	0	90	88	100	100	98
29B	PARAQUAT	2.00 E	.250 LB/AC	PRE						
29C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
30A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	85	82	100	82	95
30B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
30C	EPTC + R-25788	6.70 E	4.000 LB/AC	IMP						
30D	ATRAZINE	4.00 L	1.500 LB/AC	IMP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	LACG	GIFT	YEFT	COLQ	MRTL
31A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	90	78	100	95	100
31B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
31C	EPTC + R-25788	6.70 E	6.000 LB/AC	IMP						
31D	ATRAZINE	4.00 L	1.500 LB/AC	IMP						
32A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	95	88	98	100	95
32B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
32C	EPTC + R-25788	6.70 E	4.000 LB/AC	PRE						
32D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
33A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	95	100	100	100	100
33B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
33C	EPTC + R-25788	6.70 E	6.000 LB/AC	PRE						
33D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
34A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	62	68	100	100	95
34B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
34C	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	IMP						
34D	ATRAZINE	4.00 L	1.500 LB/AC	IMP						
35A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	70	50	95	78	85
35B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
35C	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	IMP						
35D	ATRAZINE	4.00 L	1.500 LB/AC	IMP						
36A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	80	92	98	100	95
36B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
36C	BUTYLATE + R25788	4.00 S	4.000 LB/AC	PRE						
36D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
37A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	95	85	98	98	100
37B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
37C	BUTYLATE + R25788	4.00 S	6.000 LB/AC	PRE						
37D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
38A	PARAQUAT	2.00 E	.250 LB/AC	EPP	0	98	88	100	100	100
38B	ATRAZINE	4.00 L	1.000 LB/AC	EPP						
38C	X-77 (SURFACTANT)	.50 WA	.250 %	EPP						
38D	TRIDIPHANE	4.00 E	.500 LB/AC	3LF						
38E	ATRAZINE	4.00 L	1.500 LB/AC	3LF						
38F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF						
39A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	45	75	100	100	100
39B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
39C	PYRIDATE	45.00 WP	.900 LB/AC	EP						
39D	ATRAZINE	4.00 L	1.500 LB/AC	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	LACG	GIFT	YEFT	COLQ	MRTL
40A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	32	75	100	100	100
40B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
40C	PYRIDATE	45.00 WP	.900 LB/AC	EP						
40D	CYANAZINE	80.00 WP	1.500 LB/AC	EP						
41A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	58	50	95	100	100
41B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
42A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	88	98	100	98
42B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
42C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
43A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	85	100	100	100
43B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
43C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
44A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	98	100	100	100
44B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
44C	TRIDIPHANE	4.00 E	.500 LB/AC	3LF						
44D	ATRAZINE	4.00 L	1.000 LB/AC	3LF						
44E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF						
45A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	0	42	88	95	100	100
45B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
45C	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
45D	2,4-D AMINE	4.00 E	.500 LB/AC	PRE						
46A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	0	85	80	98	100	100
46B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
46C	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
46D	CYANAZINE	4.00 L	2.000 LB/AC	PRE						
46E	2,4-D AMINE	4.00 E	.500 LB/AC	PRE						

LSD(05): 2 16 17 6 14 NS

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 7  
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.7 O.M.: 4.4%  
 DATE TREATED: EPP APRIL 25  
 PRE MAY 7  
 SEQ MAY 7  
 3LF MAY 22  
 EP MAY 28

TREATMENTS 30,31,34,35 ARE IMPREGNATED

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	BLNS
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	55	0	100	92	90	35	92
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	50	0	100	100	100	18	100
2B	LINURON	4.00 L	1.000 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	65	0	95	100	100	45	100
3B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	88	2	95	98	100	85	100
4B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	0	98	100	100	90	100
5B	DPX 8259	60.00 DF	1.000 LB/AC	PRE								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	88	0	98	100	100	80	100
6B	DPX L8348	75.00 DF	.500 LB/AC	PRE								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	0	100	100	100	90	100
7B	DPX R8260	60.00 DF	1.000 LB/AC	PRE								
8	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	58	0	98	88	52	52	88
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	68	0	95	90	100	58	100
9B	LINURON	4.00 L	1.000 LB/AC	PRE								
10A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	92	65	0	92	98	100	40	100
10B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
11A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	60	0	100	100	100	50	100
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
11C	FMC 57020	6.00 EC	.250 LB/AC	PRE								
12A	LINURON	4.00 L	1.000 LB/AC	PRE	100	58	0	100	98	75	42	100
12B	FMC 57020	6.00 EC	.250 LB/AC	PRE								
13A	LINURON	4.00 L	1.000 LB/AC	PRE	100	60	0	100	100	100	45	100
13B	FMC 57020	6.00 EC	.500 LB/AC	PRE								
14A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	98	52	0	98	100	100	22	98
14B	FMC 57020	6.00 EC	.250 LB/AC	PRE								
15A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	100	68	0	100	100	100	60	100
15B	FMC 57020	6.00 EC	.500 LB/AC	PRE								
16A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	80	75	0	80	85	100	70	100
16B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE								



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	BLNS
17A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	80	80	10	80	88	100	78	100
17B	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE								
18A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	95	80	0	95	98	100	70	100
18B	ALACHLOR	4.00 MT	2.000	LB/AC PRE								
19A	IMAZAQUIN	1.50 AS	.155	LB/AC PRE	95	75	0	95	100	98	70	100
19B	ALACHLOR	4.00 MT	2.000	LB/AC PRE								
20A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	100	75	0	100	100	100	70	98
20B	FMC 57020	6.00 EC	.500	LB/AC PRE								
21A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	100	75	0	100	100	100	70	100
21B	FMC 57020	6.00 EC	.750	LB/AC PRE								
22A	IMAZAQUIN	1.50 AS	.155	LB/AC PRE	98	80	0	98	98	100	70	100
22B	FMC 57020	6.00 EC	.500	LB/AC PRE								
23A	IMAZAQUIN	1.50 AS	.155	LB/AC PRE	98	72	0	98	100	100	70	100
23B	FMC 57020	6.00 EC	.750	LB/AC PRE								
24A	IMAZAQUIN	1.50 AS	.093	LB/AC PRE	82	72	2	82	90	100	72	100
24B	LINURON	4.00 L	.750	LB/AC PRE								
24C	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE								
25A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	82	82	8	82	92	100	75	100
25B	LINURON	4.00 L	.500	LB/AC PRE								
25C	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE								
26A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	90	80	5	90	90	100	75	100
26B	LINURON	4.00 L	.750	LB/AC PRE								
26C	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE								
27A	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE	85	60	0	85	88	100	38	95
27B	METRIBUZIN	75.00 DF	.500	LB/AC PRE								
28A	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE	85	62	2	85	75	100	48	100
28B	LINURON	4.00 L	1.000	LB/AC PRE								
29A	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE	88	70	0	88	85	100	60	100
29B	LINURON	4.00 L	.750	LB/AC PRE								
29C	METRIBUZIN	75.00 DF	.380	LB/AC PRE								
30	AC 499	1.92 AS	.063	LB/AC PRE	78	80	0	78	85	100	75	100

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	BLNS
31	AC 499	1.92 AS	.093 LB/AC	PRE	82	82	0	82	92	98	78	100
32	AC 499	1.92 AS	.125 LB/AC	PRE	85	82	0	85	90	100	80	100
33A	AC 499	1.92 AS	.063 LB/AC	PRE	95	80	0	95	100	100	72	100
33B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
34A	AC 499	1.92 AS	.063 LB/AC	PRE	90	80	0	90	95	100	75	100
34B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
35A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	95	60	0	95	98	98	52	100
35B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
35C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
36A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	78	78	0	78	90	100	75	98
36B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
37A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	75	65	0	75	85	100	52	72
37B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
38	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	65	0	100	100	100	50	100
39A	FMC 57020	6.00 EC	.500 LB/AC	PRE	100	60	0	100	100	100	38	100
39B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
40A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	60	0	100	100	100	48	100
40B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
41A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	68	0	100	100	100	55	100
41B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
42A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	80	0	100	75	100	75	100
42B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE								
43A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	78	0	100	100	100	68	100
43B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE								
44A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	82	0	100	100	100	75	100
44B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
45A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	82	0	100	100	100	78	100
45B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE								
46A	FMC 57020	6.00 EC	.750 LB/AC	PRE	98	78	0	98	95	100	70	98
46B	DPX 8259	60.00 DF	.500 LB/AC	PRE								

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	BLNS
47A	CINMETHYLIN	7.00 EC	.620 LB/AC	PRE	98	72	0	98	68	100	72	100
47B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
48A	CINMETHYLIN	7.00 EC	.940 LB/AC	PRE	95	75	0	95	82	100	70	100
48B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
49A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	98	62	0	98	52	100	60	100
49B	IMAZAQUIN	1.50 AS	.062 LB/AC	PRE								
50A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	98	78	0	98	90	100	72	100
50B	IMAZAQUIN	1.50 AS	.093 LB/AC	PRE								
51A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	100	75	0	100	78	100	65	100
51B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
52A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	100	52	0	100	82	100	15	100
52B	LINURON	4.00 L	1.000 LB/AC	PRE								
53A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	98	80	8	98	95	100	75	100
53B	AC 499	1.92 AS	.093 LB/AC	PRE								
54A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	98	58	0	98	78	100	48	48
54B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
55A	DICLOFOP METHYL	3.00 E	1.500 LB/AC	PRE	78	52	0	78	48	100	38	88
55B	LINURON	4.00 L	1.000 LB/AC	PRE								
56A	DICLOFOP METHYL	3.00 E	1.700 LB/AC	PRE	82	62	0	82	70	100	55	100
56B	LINURON	4.00 L	1.000 LB/AC	PRE								
57A	DICLOFOP METHYL	3.00 E	2.000 LB/AC	PRE	85	62	0	85	65	100	52	100
57B	LINURON	4.00 L	1.000 LB/AC	PRE								
58A	DICLOFOP METHYL	3.00 E	1.500 LB/AC	PRE	90	80	0	90	95	100	70	100
58B	LINURON	4.00 L	1.000 LB/AC	PRE								
58C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
59A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	100	68	0	100	92	100	60	100
59B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
60A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	100	60	0	100	100	100	45	100
60B	FMC 57020	6.00 EC	.380 LB/AC	PRE								
61A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	100	60	0	100	100	100	45	100
61B	FMC 57020	6.00 EC	.500 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	BLNS
62A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	98	58	0	98	18	98	55	95
62B	CINMETHYLIN	7.00 EC	.800 LB/AC	PRE								
63A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	100	62	2	100	28	100	55	100
63B	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE								
64A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	80	82	0	80	82	100	75	88
64B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE								
65A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	88	80	0	88	98	100	75	100
65B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
66A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	75	80	0	75	82	92	70	100
66B	IMAZAQUIN	1.50 AS	.100 LB/AC	PRE								
67A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	92	82	2	92	95	95	78	100
67B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
68A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	95	88	0	95	98	100	85	100
68B	FMC 57020	6.00 EC	.250 LB/AC	PRE								
69A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	82	0	100	100	100	78	100
69B	FMC 57020	6.00 EC	.500 LB/AC	PRE								
70A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	98	88	2	98	95	100	80	100
70B	FMC 57020	6.00 EC	.250 LB/AC	PRE								
71A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	98	90	2	98	100	100	88	100
71B	FMC 57020	6.00 EC	.500 LB/AC	PRE								
72	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	92	68	0	92	100	100	55	100
73A	METALACHLOR + METRIB	8.00 EC	1.750 LB/AC	PRE	95	68	0	95	100	100	45	100
73B	FMC 57020	6.00 EC	.250 LB/AC	PRE								
74	RE 45601	2.00 EC	.125 LB/AC	PRE	12	25	0	12	35	12	10	35
75	RE 45601	2.00 EC	.250 LB/AC	PRE	28	40	0	28	62	5	30	80
76	RE 45601	2.00 EC	.500 LB/AC	PRE	38	22	0	38	20	5	25	42
77A	RE 45601	2.00 EC	.125 LB/AC	PRE	72	55	0	72	85	100	35	92
77B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
78A	RE 45601	2.00 EC	.125 LB/AC	PRE	62	72	0	62	82	95	72	100
78B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	BLNS
79A	RE 45601	2.00 EC	.125 LB/AC	PRE	80	80	0	80	58	100	80	82
79B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
80	HRAV 5306A	2.50 L	2.500 LB/AC	PRE	90	62	0	90	72	100	55	100
81	HRAV 5306B	2.70 L	2.700 LB/AC	PRE	78	60	0	78	45	100	52	100
82A	CGA 180937	7.80 EC	2.000 LB/AC	PRE	95	58	0	95	95	100	35	100
82B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
83A	SC 5676	4.00 E	.500 LB/AC	PRE	98	62	0	98	98	100	50	100
83B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
84A	SC 5676	4.00 E	.750 LB/AC	PRE	92	75	5	92	98	100	68	100
84B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
85	SAN 582	8.00 EC	1.500 LB/AC	PRE	98	55	0	98	92	55	40	100
86	SAN 582	8.00 EC	3.000 LB/AC	PRE	100	60	0	100	98	80	48	100
87A	SAN 582	8.00 EC	1.500 LB/AC	PRE	95	65	0	95	100	100	50	100
87B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
88A	SAN 582	8.00 EC	2.000 LB/AC	PRE	95	75	0	95	100	100	68	100
88B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
89A	SAN 582	8.00 EC	1.500 LB/AC	PRE	90	65	15	90	95	100	50	100
89B	LINURON	4.00 L	1.000 LB/AC	PRE								
90	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
LSD(05):					11	12	6	11	21	11	20	13

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 3.4%  
 DATE PLANTED: MAY 8 DATE TREATED: PRE MAY 8  
 VARIETY: WILLIAMS 82

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 27-----				
					CRIN	GIFT	JIWE	COLQ	TAMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	95	98	22
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	100	100	15
2B	LINURON	4.00 L	1.000 LB/AC	PRE					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	100	100	50
3B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	82	98	100	85
4B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	98	100	92
5B	DPX 8259	60.00 DF	1.000 LB/AC	PRE					
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	98	100	70
6B	DPX L8348	75.00 DF	.500 LB/AC	PRE					
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	95	100	88
7B	DPX R8260	60.00 DF	1.000 LB/AC	PRE					
8	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	98	88	45	30
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	95	82	100	52
9B	LINURON	4.00 L	1.000 LB/AC	PRE					
10A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	90	95	100	38
10B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
11A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	100	100	100	32
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE					
11C	FMC 57020	6.00 EC	.250 LB/AC	PRE					
12A	LINURON	4.00 L	1.000 LB/AC	PRE	0	100	98	100	22
12B	FMC 57020	6.00 EC	.250 LB/AC	PRE					
13A	LINURON	4.00 L	1.000 LB/AC	PRE	0	100	100	100	35
13B	FMC 57020	6.00 EC	.500 LB/AC	PRE					
14A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	0	95	100	100	12
14B	FMC 57020	6.00 EC	.250 LB/AC	PRE					
15A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	0	100	100	100	45
15B	FMC 57020	6.00 EC	.500 LB/AC	PRE					
16A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	78	62	100	68
16B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 27-----				
					CRIN	GIFT	JIWE	COLQ	TAMG
17A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	75	60	100	70
17B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE					
18A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	98	100	95	75
18B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE					
19A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	98	98	98	65
19B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE					
20A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	98	100	100	65
20B	FMC 57020	6.00 EC	.500 LB/AC	PRE					
21A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	100	100	100	62
21B	FMC 57020	6.00 EC	.750 LB/AC	PRE					
22A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	92	95	100	65
22B	FMC 57020	6.00 EC	.500 LB/AC	PRE					
23A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	100	100	100	65
23B	FMC 57020	6.00 EC	.750 LB/AC	PRE					
24A	IMAZAQUIN	1.50 AS	.093 LB/AC	PRE	0	82	80	100	70
24B	LINURON	4.00 L	.750 LB/AC	PRE					
24C	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE					
25A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	72	82	100	68
25B	LINURON	4.00 L	.500 LB/AC	PRE					
25C	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE					
26A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	88	72	100	72
26B	LINURON	4.00 L	.750 LB/AC	PRE					
26C	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE					
27A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	0	70	80	100	50
27B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
28A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	0	80	78	100	20
28B	LINURON	4.00 L	1.000 LB/AC	PRE					
29A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	0	88	80	100	42
29B	LINURON	4.00 L	.750 LB/AC	PRE					
29C	METRIBUZIN	75.00 DF	.380 LB/AC	PRE					
30	AC 499	1.92 AS	.063 LB/AC	PRE	0	70	80	100	75

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 27-----				
					CRIN	GIFT	JIWE	COLQ	TAMG
31	AC 499	1.92 AS	.093 LB/AC	PRE	0	85	70	98	72
32	AC 499	1.92 AS	.125 LB/AC	PRE	0	88	90	100	88
33A	AC 499	1.92 AS	.063 LB/AC	PRE	0	95	100	100	78
33B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE					
34A	AC 499	1.92 AS	.063 LB/AC	PRE	0	88	95	100	75
34B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
35A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	95	98	100	30
35B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE					
35C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE					
36A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	0	75	80	100	75
36B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
37A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	0	70	80	100	45
37B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE					
38	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	38
39A	FMC 57020	6.00 EC	.500 LB/AC	PRE	0	100	100	100	22
39B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE					
40A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	100	100	32
40B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE					
41A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	100	100	35
41B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE					
42A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	100	100	65
42B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE					
43A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	65
43B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE					
44A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	100	100	68
44B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE					
45A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	65
45B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE					
46A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	100	100	68
46B	DPX 8259	60.00 DF	.500 LB/AC	PRE					



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 27-----				
					CRIN	GIFT	JIWE	COLQ	TAMG
47A	CINMETHYLIN	7.00 EC	.620 LB/AC	PRE	0	95	50	92	68
47B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
48A	CINMETHYLIN	7.00 EC	.940 LB/AC	PRE	0	92	72	100	70
48B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
49A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	98	42	100	68
49B	IMAZAQUIN	1.50 AS	.062 LB/AC	PRE					
50A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	95	80	100	68
50B	IMAZAQUIN	1.50 AS	.093 LB/AC	PRE					
51A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	100	72	100	65
51B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
52A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	100	70	100	22
52B	LINURON	4.00 L	1.000 LB/AC	PRE					
53A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	100	98	100	70
53B	AC 499	1.92 AS	.093 LB/AC	PRE					
54A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	98	75	100	38
54B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
55A	DICLOFOP METHYL	3.00 E	1.500 LB/AC	PRE	0	70	45	98	28
55B	LINURON	4.00 L	1.000 LB/AC	PRE					
56A	DICLOFOP METHYL	3.00 E	1.700 LB/AC	PRE	0	60	65	100	55
56B	LINURON	4.00 L	1.000 LB/AC	PRE					
57A	DICLOFOP METHYL	3.00 E	2.000 LB/AC	PRE	0	78	55	100	42
57B	LINURON	4.00 L	1.000 LB/AC	PRE					
58A	DICLOFOP METHYL	3.00 E	1.500 LB/AC	PRE	0	82	95	100	65
58B	LINURON	4.00 L	1.000 LB/AC	PRE					
58C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
59A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	0	100	92	100	40
59B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE					
60A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	0	100	100	90	28
60B	FMC 57020	6.00 EC	.380 LB/AC	PRE					
61A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	0	100	100	100	42
61B	FMC 57020	6.00 EC	.500 LB/AC	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 27-----				
					CRIN	GIFT	JIWE	COLQ	TAMG
62A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	0	98	18	98	58
62B	CINMETHYLIN	7.00 EC	.800 LB/AC	PRE					
63A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	0	100	30	100	42
63B	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE					
64A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	0	65	80	100	80
64B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE					
65A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	0	80	85	100	72
65B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE					
66A	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE	0	75	62	95	62
66B	IMAZAQUIN	1.50 AS	.100 LB/AC	PRE					
67A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	0	88	92	92	75
67B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
68A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	85	98	100	80
68B	FMC 57020	6.00 EC	.250 LB/AC	PRE					
69A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	100	100	100	78
69B	FMC 57020	6.00 EC	.500 LB/AC	PRE					
70A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	90	95	100	78
70B	FMC 57020	6.00 EC	.250 LB/AC	PRE					
71A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	95	98	100	92
71B	FMC 57020	6.00 EC	.500 LB/AC	PRE					
72	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	0	90	100	100	38
73A	METALACHLOR + METRIB	8.00 EC	1.750 LB/AC	PRE	0	95	100	100	38
73B	FMC 57020	6.00 EC	.250 LB/AC	PRE					
74	RE 45601	2.00 EC	.125 LB/AC	PRE	0	0	40	12	10
75	RE 45601	2.00 EC	.250 LB/AC	PRE	0	28	65	30	30
76	RE 45601	2.00 EC	.500 LB/AC	PRE	0	52	32	30	25
77A	RE 45601	2.00 EC	.125 LB/AC	PRE	0	62	88	100	28
77B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
78A	RE 45601	2.00 EC	.125 LB/AC	PRE	0	60	75	95	75
78B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 27-----				
					CRIN	GIFT	JIWE	COLQ	TAMG
79A	RE 45601	2.00 EC	.125 LB/AC	PRE	0	62	72	100	80
79B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE					
80	HRAV 5306A	2.50 L	2.500 LB/AC	PRE	0	85	58	100	45
81	HRAV 5306B	2.70 L	2.700 LB/AC	PRE	0	72	48	100	50
82A	CGA 180937	7.80 EC	2.000 LB/AC	PRE	0	95	92	100	38
82B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
83A	SC 5676	4.00 E	.500 LB/AC	PRE	0	95	98	100	48
83B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
84A	SC 5676	4.00 E	.750 LB/AC	PRE	0	92	98	100	45
84B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
85	SAN 582	8.00 EC	1.500 LB/AC	PRE	0	98	92	58	35
86	SAN 582	8.00 EC	3.000 LB/AC	PRE	0	100	98	78	30
87A	SAN 582	8.00 EC	1.500 LB/AC	PRE	0	95	100	100	35
87B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
88A	SAN 582	8.00 EC	2.000 LB/AC	PRE	0	95	100	100	60
88B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE					
89A	SAN 582	8.00 EC	1.500 LB/AC	PRE	0	98	100	100	25
89B	LINURON	4.00 L	1.000 LB/AC	PRE					
90	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100
LSD(05):					0	11	24	13	24

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 8  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.4%  
 DATE TREATED: PRE MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6050 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----						
					GRAS	BRLE	CRIN	GIFT	COCB	ILMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	80	0	100	83	87	97
1B	LINURON	4.00 L	1.000 LB/AC	PRE							
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	0	97	80	87	100
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	93	0	100	100	97	100
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100	0	100	100	100	100
4B	DPX 8259	60.00 DF	1.000 LB/AC	PRE							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	0	97	93	97	97
5B	DPX L8348	75.00 DF	.500 LB/AC	PRE							
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	97	0	100	100	97	100
6B	DPX R8260	60.00 DF	1.000 LB/AC	PRE							
7A	LINURON	4.00 L	1.000 LB/AC	PRE	100	80	0	100	83	83	100
7B	FMC 57020	6.00 EC	.250 LB/AC	PRE							
8A	LINURON	4.00 L	1.000 LB/AC	PRE	100	77	0	100	80	83	100
8B	FMC 57020	6.00 EC	.500 LB/AC	PRE							
9A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	100	83	0	100	93	87	100
9B	FMC 57020	6.00 EC	.250 LB/AC	PRE							
10A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	100	90	0	100	97	90	100
10B	FMC 57020	6.00 EC	.500 LB/AC	PRE							
11A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	87	0	100	100	93	87
11B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE							
12A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	100	87	0	100	97	100	83
12B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE							
13A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	97	0	100	100	100	100
13B	FMC 57020	6.00 EC	.500 LB/AC	PRE							
14A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	97	90	0	97	100	90	100
14B	FMC 57020	6.00 EC	.750 LB/AC	PRE							
15A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	100	90	0	100	100	90	100
15B	FMC 57020	6.00 EC	.500 LB/AC	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6050 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----						
					GRAS	BRLE	CRIN	GIFT	COCB	ILMG	VELE
16A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	100	93	0	100	100	97	100
16B	FMC 57020	6.00 EC	.750 LB/AC	PRE							
17A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	93	0	100	100	100	100
17B	FMC 57020	6.00 EC	.250 LB/AC	PRE							
18A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	97	0	100	100	97	100
18B	FMC 57020	6.00 EC	.500 LB/AC	PRE							
19A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	100	93	0	100	97	100	100
19B	FMC 57020	6.00 EC	.250 LB/AC	PRE							
20A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	100	93	0	100	100	93	100
20B	FMC 57020	6.00 EC	.500 LB/AC	PRE							
21	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	83	0	100	97	87	100
22A	FMC 57020	6.00 EC	.500 LB/AC	PRE	100	80	0	100	83	80	100
22B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
23A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	83	0	100	97	83	100
23B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE							
24A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	90	0	100	90	90	100
24B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
25A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	90	0	100	100	90	100
25B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE							
26A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	97	0	100	100	97	100
26B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE							
27A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	97	0	100	97	97	100
27B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE							
28A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	90	0	100	97	90	100
28B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE							
29	AC 499	1.92 AS	.063 LB/AC	PRE	90	90	0	90	93	97	90
30	AC 499	1.92 AS	.093 LB/AC	PRE	90	90	0	90	93	97	100
31	AC 499	1.92 AS	.125 LB/AC	PRE	97	90	0	97	93	93	93
32A	AC 499	1.92 AS	.063 LB/AC	PRE	97	90	0	97	90	97	93
32B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6050 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----						
					GRAS	BRLE	CRIN	GIFT	COCB	ILMG	VELE
33A	AC 499	1.92 AS	.063 LB/AC	PRE	90	90	0	90	100	93	90
33B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
34	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	100	77	0	100	93	77	97
35A	METALACHLOR + METRIB	8.00 EC	1.750 LB/AC	PRE	100	80	0	100	90	87	100
35B	FMC 57020	6.00 EC	.250 LB/AC	PRE							
36	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100
LSD(05):					3	9	0	3	8	12	4

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: MAY 21  
 VARIETY: WILLIAMS 82

0 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.6%  
 DATE TREATED: PRE MAY 21

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6050 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 23-----					
					CRIN	GIFT	COCB	JIWE	ILMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	77	83	77	97
1B	LINURON	4.00 L	1.000 LB/AC	PRE						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	77	90	73	100
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	100	87	90	97
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	100	97	97	97
4B	DPX 8259	60.00 DF	1.000 LB/AC	PRE						
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	90	93	93	97
5B	DPX L8348	75.00 DF	.500 LB/AC	PRE						
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	97	97	87	100
6B	DPX R8260	60.00 DF	1.000 LB/AC	PRE						
7A	LINURON	4.00 L	1.000 LB/AC	PRE	0	100	73	90	77	100
7B	FMC 57020	6.00 EC	.250 LB/AC	PRE						
8A	LINURON	4.00 L	1.000 LB/AC	PRE	0	100	73	97	73	100
8B	FMC 57020	6.00 EC	.500 LB/AC	PRE						
9A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	0	97	83	93	73	100
9B	FMC 57020	6.00 EC	.250 LB/AC	PRE						
10A	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE	0	100	93	100	80	100
10B	FMC 57020	6.00 EC	.500 LB/AC	PRE						
11A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	100	97	100	90	67
11B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
12A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	97	97	97	93	70
12B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
13A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	100	100	100	93	100
13B	FMC 57020	6.00 EC	.500 LB/AC	PRE						
14A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	97	100	100	87	100
14B	FMC 57020	6.00 EC	.750 LB/AC	PRE						
15A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	100	97	93	87	100
15B	FMC 57020	6.00 EC	.500 LB/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6050 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 23-----					
					CRIN	GIFT	COCB	JIWE	ILMG	VELE
16A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	100	100	100	87	100
16B	FMC 57020	6.00 EC	.750 LB/AC	PRE						
17A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	97	100	93	93	100
17B	FMC 57020	6.00 EC	.250 LB/AC	PRE						
18A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	100	100	97	90	100
18B	FMC 57020	6.00 EC	.500 LB/AC	PRE						
19A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	100	97	80	87	100
19B	FMC 57020	6.00 EC	.250 LB/AC	PRE						
20A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	100	97	93	90	97
20B	FMC 57020	6.00 EC	.500 LB/AC	PRE						
21	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	93	97	77	100
22A	FMC 57020	6.00 EC	.500 LB/AC	PRE	0	97	70	97	80	100
22B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE						
23A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	93	93	77	100
23B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE						
24A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	93	100	80	100
24B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE						
25A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	100	97	87	100
25B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE						
26A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	97	93	100
26B	IMAZAQUIN	1.50 AS	.094 LB/AC	PRE						
27A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	100	97	97	83	100
27B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE						
28A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	97	90	87	100
28B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE						
29	AC 499	1.92 AS	.063 LB/AC	PRE	0	90	90	93	90	87
30	AC 499	1.92 AS	.093 LB/AC	PRE	0	90	93	100	90	97
31	AC 499	1.92 AS	.125 LB/AC	PRE	0	93	90	97	93	90
32A	AC 499	1.92 AS	.063 LB/AC	PRE	0	93	90	100	90	87
32B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6050 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 23-----					
					CRIN	GIFT	COCB	JIWE	ILMG	VELE
33A	AC 499	1.92 AS	.063 LB/AC	PRE	0	90	100	97	87	83
33B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE						
34	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	0	100	87	97	67	93
35A	METALACHLOR + METRIB	8.00 EC	1.750 LB/AC	PRE	0	100	73	97	80	100
35B	FMC 57020	6.00 EC	.250 LB/AC	PRE						
36	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
			LSD(05):		0	5	11	10	13	8

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
 DATE PLANTED: MAY 21 PH: 6.5 O.M.: 3.6%  
 VARIETY: WILLIAMS 82 DATE TREATED: PRE MAY 21

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY  
 TABLE S6013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 21-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	BLNS
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	78	62	0	78	80	92	28	98
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	85	68	0	85	82	100	28	100
2B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI								
2C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	82	88	0	82	85	100	85	98
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	82	85	0	82	90	100	75	98
4B	DPX L8348	75.00 DF	.500 LB/AC	PPI								
5A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	90	68	0	90	88	98	30	100
5B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								
6A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	95	68	0	95	98	100	30	100
6B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
6C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
7A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	80	0	92	75	90	85	98
7B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI								
8A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	90	0	90	88	98	88	100
8B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI								
9A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	85	0	90	82	90	90	85
9B	FMC 57020	6.00 EC	.250 LB/AC	PPI								
10A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	75	0	92	90	92	68	45
10B	FMC 57020	6.00 EC	.560 LB/AC	PPI								
11A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	88	78	0	88	68	95	80	65
11B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
12A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	85	0	92	82	100	80	80
12B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
12C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
13A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	85	0	92	90	100	80	65
13B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
13C	FMC 57020	6.00 EC	.250 LB/AC	PPI								
14A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	82	0	90	62	100	90	98
14B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
14C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S6013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 21-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	BLNS
15A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	85	0	92	75	98	82	98
15B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
15C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI								
16A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	90	80	0	90	70	100	75	95
16B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI								
17A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	90	85	0	90	80	100	82	100
17B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
18A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	92	88	0	92	95	98	85	98
18B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI								
19A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	92	90	0	92	85	100	82	100
19B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
20A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	85	80	0	85	70	98	85	100
20B	TRIFLURALIN	4.00 E	.750 LB/AC	PPI								
21A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	90	82	0	90	95	98	68	100
21B	FMC 57020	6.00 EC	.500 LB/AC	PPI								
22A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	92	88	2	92	100	100	70	98
22B	FMC 57020	6.00 EC	.750 LB/AC	PPI								
23A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	88	80	2	88	90	98	65	100
23B	FMC 57020	6.00 EC	.500 LB/AC	PPI								
24	AC 499	1.92 AS	.063 LB/AC	PPI	68	72	0	68	65	95	60	100
25	AC 499	1.92 AS	.093 LB/AC	PPI	85	88	0	85	90	100	85	100
26	AC 499	1.92 AS	.125 LB/AC	PPI	85	90	2	85	92	100	88	100
27A	AC 499	1.92 AS	.063 LB/AC	PPI	92	82	0	92	82	100	80	100
27B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
28A	AC 499	1.92 AS	.063 LB/AC	PPI	80	88	0	80	88	100	75	100
28B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI								
29A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	82	75	0	82	75	100	80	72
29B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								
30A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	92	72	0	92	58	95	80	90
30B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 21-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	BLNS
31A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	92	75	0	92	72	90	80	80
31B	FMC 57020	6.00 EC	.250 LB/AC	PPI								
32A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	98	82	0	98	90	98	80	85
32B	FMC 57020	6.00 EC	.560 LB/AC	PPI								
33A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	90	78	2	90	68	92	80	92
33B	FMC 57020	6.00 EC	.250 LB/AC	PPI								
34A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	92	85	0	92	95	98	82	88
34B	FMC 57020	6.00 EC	.560 LB/AC	PPI								
35A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	90	75	2	90	58	100	85	78
35B	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PPI								
36A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	88	90	0	88	98	100	90	95
36B	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PPI								
37	FMC 57020	6.00 EC	1.000 LB/AC	PPI	95	58	0	95	100	100	22	85
38A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	98	88	2	98	98	100	70	100
38B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI								
39A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	98	82	0	98	98	100	58	100
39B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PPI								
40A	VERNAM + R33865	6.00 E	2.500 LB/AC	PPI	82	88	2	82	90	100	85	100
40B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI								
41A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	82	62	0	82	78	90	35	95
41B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI								
42A	CGA 180937	7.80 EC	2.500 LB/AC	PPI	88	58	0	88	82	98	18	100
42B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								
43	MFR 13327	4.00 EC	1.500 LB/AC	PPI	88	75	0	88	65	92	82	55
44	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
LSD(05):					7	9	NS	7	23	NS	13	15

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5  
 O.M.: 3.4%  
 DATE TREATED: PPI MAY 9  
 PRE MAY 9

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 21-----				
					CRIN	GIFT	JIWE	COLQ	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	72	78	92	32
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	85	82	100	30
2B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI					
2C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	82	85	100	78
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	85	90	100	75
4B	DPX L8348	75.00 DF	.500 LB/AC	PPI					
5A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	90	85	98	32
5B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI					
6A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	95	98	100	32
6B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI					
6C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE					
7A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	72	88	85
7B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI					
8A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	80	98	80
8B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI					
9A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	78	82	82
9B	FMC 57020	6.00 EC	.250 LB/AC	PPI					
10A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	92	88	90	68
10B	FMC 57020	6.00 EC	.560 LB/AC	PPI					
11A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	85	65	95	75
11B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI					
12A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	92	80	100	78
12B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI					
12C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE					
13A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	85	95	80
13B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI					
13C	FMC 57020	6.00 EC	.250 LB/AC	PPI					
14A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	65	95	85
14B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI					
14C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 21-----				
					CRIN	GIFT	JIWE	COLQ	ILMG
15A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	72	98	80
15B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI					
15C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI					
16A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	85	70	100	68
16B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI					
17A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	88	80	100	75
17B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI					
18A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	90	88	98	82
18B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI					
19A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	90	85	100	80
19B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI					
20A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	85	70	92	78
20B	TRIFLURALIN	4.00 E	.750 LB/AC	PPI					
21A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	90	90	98	65
21B	FMC 57020	6.00 EC	.500 LB/AC	PPI					
22A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	92	100	100	68
22B	FMC 57020	6.00 EC	.750 LB/AC	PPI					
23A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	88	90	98	65
23B	FMC 57020	6.00 EC	.500 LB/AC	PPI					
24	AC 499	1.92 AS	.063 LB/AC	PPI	0	78	62	95	58
25	AC 499	1.92 AS	.093 LB/AC	PPI	0	88	90	100	78
26	AC 499	1.92 AS	.125 LB/AC	PPI	0	88	85	98	82
27A	AC 499	1.92 AS	.063 LB/AC	PPI	0	90	82	100	80
27B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI					
28A	AC 499	1.92 AS	.063 LB/AC	PPI	0	85	88	100	72
28B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI					
29A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	80	78	95	75
29B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI					
30A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	92	58	90	75
30B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 21-----				
					CRIN	GIFT	JIWE	COLQ	ILMG
31A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	92	68	88	72
31B	FMC 57020	6.00 EC	.250 LB/AC	PPI					
32A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	98	90	95	75
32B	FMC 57020	6.00 EC	.560 LB/AC	PPI					
33A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	0	90	82	88	75
33B	FMC 57020	6.00 EC	.250 LB/AC	PPI					
34A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	0	92	92	98	72
34B	FMC 57020	6.00 EC	.560 LB/AC	PPI					
35A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	85	55	98	85
35B	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PPI					
36A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	82	95	100	85
36B	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PPI					
37	FMC 57020	6.00 EC	1.000 LB/AC	PPI	0	98	100	100	22
38A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	0	98	98	100	68
38B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI					
39A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	0	95	98	100	62
39B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PPI					
40A	VERNAM + R33865	6.00 E	2.500 LB/AC	PPI	0	82	90	100	85
40B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI					
41A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	0	85	70	90	35
41B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI					
42A	CGA 180937	7.80 EC	2.500 LB/AC	PPI	0	90	82	98	22
42B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI					
43	MFR 13327	4.00 EC	1.500 LB/AC	PPI	0	82	55	90	78
44	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100
LSD(05):					0	8	21	9	14

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.4%  
 DATE TREATED: PPI MAY 9  
 PRE MAY 9

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6051 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIFT	COCB	COLQ	ILMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	93	93	0	93	100	100	97	97
1B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI								
1C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	97	90	0	97	93	97	100	97
2B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	93	93	0	93	100	100	97	97
3B	DPX L8348	75.00 DF	.500 LB/AC	PPI								
4A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	83	0	90	100	97	93	93
4B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
5A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	83	0	97	97	100	87	97
5B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
5C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
6A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	90	0	100	100	100	90	100
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
6C	FMC 57020	6.00 EC	.250 LB/AC	PPI								
7A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	93	0	93	100	100	97	93
7B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
7C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI								
8A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	90	0	90	97	100	97	97
8B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
8C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI								
9A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	90	93	0	90	100	100	97	93
9B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI								
10A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	93	90	0	93	100	100	93	97
10B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
11A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	97	90	0	97	97	100	97	93
11B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI								
12A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	97	90	0	97	100	100	90	100
12B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
13A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	97	93	0	97	100	100	97	100
13B	FMC 57020	6.00 EC	.500 LB/AC	PPI								
14A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	90	73	0	90	97	97	97	73
14B	FMC 57020	6.00 EC	.750 LB/AC	PPI								



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6051 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----								
					GRAS	BRLE	CRIN	GIFT	COCB	COLQ	ILMG	VELE	
15A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	97	90	0	97	90	100	100	93	
15B	FMC 57020	6.00 EC	.500 LB/AC	PPI									
16	FMC 57020	6.00 EC	1.000 LB/AC	PPI	97	90	0	97	100	100	93	97	
17A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	93	97	0	93	97	100	97	100	
17B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI									
18A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	93	90	0	93	100	100	90	93	
18B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PPI									
19	AC 499	1.92 AS	.063 LB/AC	PPI	93	90	0	93	100	100	93	100	
20	AC 499	1.92 AS	.093 LB/AC	PPI	97	87	0	97	97	100	87	100	
21	AC 499	1.92 AS	.125 LB/AC	PPI	97	93	0	97	93	100	100	100	
22	MFR 0841	1.70 E	1.250 LB/AC	PPI	100	93	0	100	100	100	93	97	
23A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	97	97	0	97	97	100	97	100	
23B	BENTAZON	4.00 E	1.000 LB/AC	MP									
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
24A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	97	97	13	97	100	100	100	100	
24B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP									
24C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									
LSD(.05):					NS	NS	2	NS	NS	NS	NS	11	

69

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 21  
 VARIETY: WILLIAMS 82  
 SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5  
 O.M.: 3.6%  
 DATE TREATED: PPI MAY 21  
 PRE MAY 21  
 MP JUNE 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6051 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----							
					CRIN	GIFT	COCB	JIWE	COLQ	ILMG	BLNS	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	93	97	97	100	93	100	97
1B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI								
1C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	83	87	93	97	90	100	97
2B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	90	100	97	100	90	100	97
3B	DPX L8348	75.00 DF	.500 LB/AC	PPI								
4A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	83	100	100	100	83	100	73
4B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
5A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	93	93	100	100	80	100	93
5B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
5C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE								
6A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	100	100	97	100	83	97	100
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
6C	FMC 57020	6.00 EC	.250 LB/AC	PPI								
7A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	100	93	100	93	100	87
7B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
7C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI								
8A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	93	100	100	90	97	93
8B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
8C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI								
9A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	87	100	100	100	97	100	83
9B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI								
10A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	87	97	93	100	93	97	97
10B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
11A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	93	93	93	100	90	100	90
11B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI								
12A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	93	97	97	100	87	87	100
12B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI								
13A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	93	100	100	100	93	100	100
13B	FMC 57020	6.00 EC	.500 LB/AC	PPI								
14A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	90	97	100	97	97	97	47
14B	FMC 57020	6.00 EC	.750 LB/AC	PPI								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6051 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----							
					CRIN	GIFT	COCB	JIWE	COLQ	ILMG	BLNS	VELE
15A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	93	80	90	93	93	100	90
15B	FMC 57020	6.00 EC	.500 LB/AC	PPI								
16	FMC 57020	6.00 EC	1.000 LB/AC	PPI	0	97	100	97	100	90	97	97
17A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	0	90	93	100	100	93	100	97
17B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI								
18A	FMC 57020	6.00 EC	1.000 LB/AC	PPI	0	93	93	93	100	80	100	93
18B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PPI								
19	AC 499	1.92 AS	.063 LB/AC	PPI	0	93	100	97	100	90	97	100
20	AC 499	1.92 AS	.093 LB/AC	PPI	0	97	97	100	100	77	100	97
21	AC 499	1.92 AS	.125 LB/AC	PPI	0	100	83	93	100	93	93	100
22	MFR 0841	1.70 E	1.250 LB/AC	PPI	0	100	97	100	100	90	100	97
23A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	97	97	93	100	90	100	100
23B	BENTAZON	4.00 E	1.000 LB/AC	MP								
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
24A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	97	93	93	100	93	100	100
24B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
24C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
LSD(05):					0	9	NS	NS	3	NS	6	10

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 21  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.6%  
 DATE TREATED: PPI MAY 21  
 PRE MAY 21  
 MP JUNE 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	COLQ	PRSI	TAMG	CRIN	GIFT	COLQ	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	85	0	95	90	82	70	0	95	85	75
1B	ACIFLUORFEN	2.00 L	.250 LB/AC	EP											
1C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	85	0	100	95	82	80	0	100	90	75
2B	ACIFLUORFEN	2.00 L	.380 LB/AC	EP											
2C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	5	95	92	90	98	0	95	90	98
3B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP											
3C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	75	0	98	90	98	35	0	98	90	38
4B	BENTAZON	4.00 E	.500 LB/AC	EP											
4C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	70	0	90	90	98	28	0	90	88	30
5B	BENTAZON	4.00 E	.750 LB/AC	EP											
5C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	0	90	100	100	82	0	90	100	85
6B	BENTAZON	4.00 E	1.000 LB/AC	MP											
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	2	100	42	92	38	0	100	35	38
7B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
7C	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	55	8	100	30	100	62	0	100	30	60
8B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
8C	10 34 0	.00 AD	1.000 QT/AC	MP											
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	65	10	100	52	95	82	0	100	40	80
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
9C	2,4-DB	2.00 E	.030 LB/AC	MP											
9D	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	62	10	100	42	95	90	0	100	35	85
10B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
10C	2,4-DB	2.00 E	.030 LB/AC	MP											
10D	10 34 0	.00 AD	1.000 QT/AC	MP											
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	70	0	100	52	98	82	0	100	40	80
11B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
11C	ACIFLUORFEN	2.00 L	.180 LB/AC	MP											
11D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	COLQ	PRSI	TAMG	CRIN	GIFT	COLQ	TAMG
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	82	2	100	72	100	90	0	100	60	88
12B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
12C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP											
12D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	68	2	100	55	98	95	0	100	38	95
13B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
13C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP											
13D	10 34 0	.00 AD	1.000 QT/AC	MP											
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	0	98	90	100	50	0	98	82	58
14B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
14C	BENTAZON	4.00 E	.500 LB/AC	MP											
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	68	0	98	52	88	90	0	98	35	88
15B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
15C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	70	0	100	55	80	80	0	100	38	78
16B	CHLORIMURON	25.00 DF	.012 LB/AC	EP											
16C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	62	5	98	55	78	78	0	98	42	78
17B	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE											
17C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
17D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	65	8	92	55	82	80	0	92	32	78
18B	LINURON	4.00 L	1.000 LB/AC	PRE											
18C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
18D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	65	2	95	58	82	82	0	95	40	82
19B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE											
19C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
19D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	60	5	98	45	85	82	0	98	28	82
20B	DPX 8259	60.00 DF	1.000 LB/AC	PRE											
20C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
20D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	68	0	92	60	80	88	0	92	45	88
21B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
21C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
21D	CHLORIMURON	25.00 DF	.008 LB/AC	+2W											
21E	X-77 (SURFACTANT)	.50 WA	.250 %	+2W											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	COLQ	PRSI	TAMG	CRIN	GIFT	COLQ	TAMG
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	90	0	92	92	92	85	0	88	92	80
22B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
22C	ACIFLUORFEN	2.00 L	.250 LB/AC	EP											
22D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	82	0	95	92	88	70	0	95	90	70
23B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
23C	ACIFLUORFEN	2.00 L	.380 LB/AC	EP											
23D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	2	98	100	95	42	0	98	98	42
24B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
24C	BENTAZON	4.00 E	.500 LB/AC	EP											
24D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	78	0	90	98	100	45	0	88	98	48
25B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
25C	BENTAZON	4.00 E	.750 LB/AC	EP											
25D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	75	0	92	95	62	58	0	92	90	60
26B	DPX M6316	75.00 DF	.008 LB/AC	EP											
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	75	0	95	100	68	25	0	92	92	30
27B	DPX M6316	75.00 DF	.015 LB/AC	EP											
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	78	0	92	100	70	55	0	92	100	60
28B	DPX M6316	75.00 DF	.030 LB/AC	EP											
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	72	0	95	98	80	28	0	92	95	32
29B	DPX M6316	75.00 DF	.008 LB/AC	EP											
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	78	0	95	100	68	42	0	92	98	45
30B	DPX M6316	75.00 DF	.015 LB/AC	EP											
30C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	90	100	85	58	0	90	100	62
31B	DPX M6316	75.00 DF	.030 LB/AC	EP											
31C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
32A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	82	0	92	98	88	50	0	92	95	55
32B	DPX M6316	75.00 DF	.008 LB/AC	EP											
32C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	COLQ	PRSI	TAMG	CRIN	GIFT	COLQ	TAMG
33A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	82	0	90	100	78	78	0	88	100	78
33B	DPX M6316	75.00 DF	.015 LB/AC	EP											
33C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
34A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	82	0	90	100	80	62	0	90	95	68
34B	DPX M6316	75.00 DF	.008 LB/AC	EP											
34C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
34D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
35A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	0	98	100	70	70	0	98	95	72
35B	DPX M6316	75.00 DF	.015 LB/AC	EP											
35C	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
35D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
36A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	65	2	92	60	95	60	0	92	48	58
36B	LACTOFEN	2.00 E	.150 LB/AC	EP											
37A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	72	5	98	78	100	58	0	98	58	58
37B	LACTOFEN	2.00 E	.200 LB/AC	EP											
38A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	70	8	100	70	100	60	0	100	48	60
38B	LACTOFEN	2.00 E	.150 LB/AC	EP											
38C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
39A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	85	0	92	92	78	88	0	92	85	82
39B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
39C	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
40A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	0	100	95	88	98	0	100	92	98
40B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP											
40C	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
41A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	88	0	98	92	90	82	0	98	90	80
41B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP											
41C	BENTAZON	4.00 E	.500 LB/AC	MP											
41D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
42A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	80	0	100	85	72	85	0	98	75	85
42B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
42C	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
42D	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
43A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	65	5	98	80	92	22	0	98	85	18
43B	BENAZOLIN	4.00 F	.380 LB/AC	MP											
43C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	COLQ	PRSI	TAMG	CRIN	GIFT	COLQ	TAMG
44A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	70	2	98	85	95	40	0	98	85	40
44B	BENAZOLIN	4.00 F	.380 LB/AC	MP											
44C	VARIQUAT	.50 WA	1.000 %	MP											
45A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	92	0	92	98	98	90	0	90	92	88
45B	BENAZOLIN	4.00 F	.250 LB/AC	MP											
45C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP											
45D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP											
46	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100
			LSD(05):		6	9	5	6	9	11	23	0	6	11	23

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.4%  
 DATE TREATED: PRE MAY 9  
 EP MAY 22  
 MP MAY 30  
 +2W JUNE 6



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----					---8 WEEKS AFTER APPLICATION---						
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	10	93	97	97	90	10	87	90	80	83
1B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
1C	TRITON AG 98 SURFACT	.00 WA	.125 %	MP												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	3	100	93	97	90	3	93	90	83	83
2B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
2C	10 34 0	.00 AD	1.000 QT/AC	MP												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	7	93	90	93	90	7	93	83	90	87
3B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
3C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	MP												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	3	97	93	83	80	3	97	93	67	70
4B	ACIFLUORFEN	2.00 L	.250 LB/AC	LLP												
4C	X-77 (SURFACTANT)	.50 WA	.125 %	LLP												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	10	93	93	100	90	10	87	90	90	87
5B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
5C	BENTAZON	4.00 E	.500 LB/AC	MP												
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	3	97	93	100	90	0	93	90	87	90
6B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
6C	BENTAZON	4.00 E	.500 LB/AC	MP												
6D	10 34 0	.00 AD	1.000 QT/AC	MP												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	63	33	97	93	97	90	7	90	90	87	87
7B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
7C	BENTAZON	4.00 E	.500 LB/AC	MP												
7D	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	MP												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	10	93	90	100	90	10	90	87	87	90
8B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
8C	BENTAZON	4.00 E	.500 LB/AC	MP												
8D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP												
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	20	97	93	97	90	20	87	87	83	90
9B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP												
9C	2,4-DB	2.00 E	.030 LB/AC	MP												
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	10	97	97	97	90	10	87	90	93	90
10B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP												
10C	2,4-DB	2.00 E	.030 LB/AC	MP												
10D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						---8 WEEKS AFTER APPLICATION---					
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	10	93	97	93	90	10	87	93	83	83
11B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP												
11C	2,4-DB	2.00 E	.030 LB/AC	MP												
11D	10 34 0	.00 AD	1.000 QT/AC	MP												
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	10	100	93	100	90	10	90	87	87	87
12B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
12C	BENTAZON	4.00 E	.500 LB/AC	MP												
12D	2,4-DB	2.00 E	.030 LB/AC	MP												
12E	10 34 0	.00 AD	1.000 QT/AC	MP												
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	10	93	90	93	90	10	90	90	83	83
13B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP												
13C	CHLORIMURON	25.00 DF	.004 LB/AC	MP												
13D	X-77 (SURFACTANT)	.50 WA	.250 %	MP												
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	10	93	97	93	90	10	87	90	83	83
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP												
14C	CHLORIMURON	25.00 DF	.004 LB/AC	MP												
14D	X-77 (SURFACTANT)	.50 WA	.250 %	MP												
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	17	97	97	100	90	17	90	90	90	87
15B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP												
15C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP												
15D	X-77 (SURFACTANT)	.50 WA	.250 %	MP												
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	17	97	90	93	90	17	90	83	83	80
16B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP												
16C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP												
16D	X-77 (SURFACTANT)	.50 WA	.250 %	MP												
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	17	90	87	97	90	17	90	83	80	83
17B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP												
17C	IMAZAQUIN	1.50 AS	.125 LB/AC	MP												
17D	X-77 (SURFACTANT)	.50 WA	.250 %	MP												
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	17	93	97	93	90	17	90	93	87	87
18B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP												
18C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP												
18D	X-77 (SURFACTANT)	.50 WA	.250 %	MP												
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	77	0	93	93	87	77	0	87	87	77	67
19B	BENTAZON	4.00 E	.750 LB/AC	MP												
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	83	0	90	93	90	83	0	90	93	73	77
20B	BENTAZON	4.00 E	.500 LB/AC	MP												
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							---8 WEEKS AFTER APPLICATION---				
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	83	0	100	93	90	83	0	93	93	87	83
21B	BENTAZON	4.00 E	.500 LB/AC	MP												
21C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	MP												
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	87	7	90	83	90	87	7	90	77	87	83
22B	BENTAZON	4.00 E	.500 LB/AC	MP												
22C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP												
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	87	0	93	90	90	90	0	90	87	77	77
23B	BENTAZON	4.00 E	.500 LB/AC	MP												
23C	BENTAZON	4.00 E	.500 LB/AC	10D												
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	0	93	90	90	90	0	90	90	83	83
24B	BENTAZON	4.00 E	.500 LB/AC	MP												
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
24D	BENTAZON	4.00 E	.500 LB/AC	10D												
24E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	10D												
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	87	0	90	87	87	87	0	87	77	83	83
25B	BENTAZON	4.00 E	.500 LB/AC	MP												
25C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	MP												
25D	BENTAZON	4.00 E	.500 LB/AC	10D												
25E	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	10D												
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	83	0	90	80	87	87	0	87	77	87	87
26B	BENTAZON	4.00 E	.500 LB/AC	MP												
26C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP												
26D	BENTAZON	4.00 E	.500 LB/AC	10D												
26E	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	10D												
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	77	3	93	87	80	80	3	90	80	80	80
27B	UBI 1484	2.00 L	1.500 LB/AC	LLP												
27C	X-77 (SURFACTANT)	.50 WA	.125 %	LLP												
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	73	3	90	73	80	73	3	90	73	77	73
28B	UBI 1484	2.00 L	1.000 LB/AC	LLP												
28C	ACIFLUORFEN	2.00 L	.250 LB/AC	LLP												
28D	X-77 (SURFACTANT)	.50 WA	.125 %	LLP												
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	77	0	97	80	80	83	0	90	77	77	80
29B	UBI 1484	2.00 L	1.500 LB/AC	LLP												
29C	ACIFLUORFEN	2.00 L	.250 LB/AC	LLP												
29D	X-77 (SURFACTANT)	.50 WA	.125 %	LLP												
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	73	0	97	83	80	73	0	93	77	70	67
30B	CHLORAMBEN	75.00 DS	2.700 LB/AC	EP												
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----								---8 WEEKS AFTER APPLICATION---				
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG	
31A	FMC 57020	6.00 EC	.750 LB/AC	PRE	97	87	3	97	93	90	87	3	87	90	83	83	
31B	CHLORIMURON	25.00 DF	.008 LB/AC	EP													
31C	X-77 (SURFACTANT)	.50 WA	.250 %	EP													
32A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	90	0	100	100	93	90	0	90	87	73	70	
32B	CHLORIMURON	25.00 DF	.008 LB/AC	EP													
32C	X-77 (SURFACTANT)	.50 WA	.250 %	EP													
33A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	90	10	100	100	97	87	10	100	90	90	87	
33B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP													
33C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP													
34A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	87	10	100	100	93	87	10	93	90	77	80	
34B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP													
34C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP													
35A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	90	10	100	100	100	90	10	93	97	83	83	
35B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP													
35C	X-77 (SURFACTANT)	.50 WA	.250 %	MP													
36A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	93	90	0	93	90	90	90	0	90	87	90	90	
36B	BENTAZON	4.00 E	1.000 LB/AC	MP													
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP													
37A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	93	90	10	93	90	100	90	10	83	87	87	87	
37B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP													
37C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP													
38A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	90	83	3	90	87	90	90	3	83	77	87	90	
38B	CHLORIMURON	25.00 DF	.008 LB/AC	MP													
38C	X-77 (SURFACTANT)	.50 WA	.250 %	MP													
39A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	77	0	100	93	87	77	0	90	90	83	77	
39B	HALOXYFOP	2.00 E	.120 LB/AC	MP													
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP													
40	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100	
LSD(05):					7	14	14	7	11	8	5	5	8	13	12	10	

08

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.4%  
 DATE TREATED: PRE MAY 9  
 EP MAY 22  
 MP MAY 30  
 10D JUNE 9  
 LLP JUNE 9

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	BLNS	RRPW	VELE
1A	BENTAZON	4.00 E	.750 LB/AC	EP	97	83	0	97	90	97	90	87	93	90
1B	ACIFLUORFEN	2.00 L	.380 LB/AC	EP										
1C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP										
1D	FENOXAPROP	1.00 EC	.150 LB/AC	+7D										
1E	OIL CONCENTRATE	.00 AD	.500 QT/AC	+7D										
2A	BENTAZON	4.00 E	1.000 LB/AC	MP	100	43	0	100	97	90	100	37	47	100
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
2C	BAS 517	1.67 E	.075 LB/AC	LP										
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
3A	BENTAZON	4.00 E	1.000 LB/AC	MP	100	13	0	100	80	97	100	67	10	100
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
3C	BAS 517	1.67 E	.100 LB/AC	LP										
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
4A	BENTAZON	4.00 E	1.000 LB/AC	MP	87	80	0	87	100	100	97	93	73	100
4B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
4C	BAS 517	1.67 E	.100 LB/AC	LLP										
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP										
5A	BENTAZON	4.00 E	1.000 LB/AC	MP	100	43	0	100	80	90	90	63	37	100
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
5C	BAS 517	1.67 E	.150 LB/AC	LP										
5D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
6A	BENTAZON	4.00 E	1.000 LB/AC	MP	93	67	0	93	97	97	100	90	60	100
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
6C	BAS 517	1.67 E	.150 LB/AC	LLP										
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP										
7A	HALOXYFOP	2.00 E	.120 LB/AC	MP	90	33	0	90	33	100	90	100	97	100
7B	LACTOFEN	2.00 E	.200 LB/AC	MP										
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
8A	HALOXYFOP	2.00 E	.120 LB/AC	MP	100	20	20	100	20	93	80	100	97	100
8B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
8C	LACTOFEN	2.00 E	.200 LB/AC	+4D										
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D										
9A	HALOXYFOP	2.00 E	.120 LB/AC	MP	80	17	3	80	17	83	67	100	100	93
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP										
9C	X-77 (SURFACTANT)	.50 WA	.250 %	MP										
10A	HALOXYFOP	2.00 E	.120 LB/AC	MP	100	10	0	100	10	93	90	100	100	100
10B	X-77 (SURFACTANT)	.50 WA	.250 %	MP										
10C	IMAZAQUIN	1.50 AS	.125 LB/AC	+4D										
10D	X-77 (SURFACTANT)	.50 WA	.250 %	+4D										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	BLNS	RRPW	VELE
11A	HALOXYFOP	2.00 E	.120 LB/AC	MP	83	63	0	83	60	100	87	100	87	100
11B	BENTAZON	4.00 E	.500 LB/AC	MP										
11C	ACIFLUORFEN	2.00 L	.500 LB/AC	MP										
11D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
12A	HALOXYFOP	2.00 E	.120 LB/AC	MP	83	80	20	83	77	100	97	97	87	100
12B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP										
12C	2,4-DB	2.00 E	.030 LB/AC	MP										
12D	X-77 (SURFACTANT)	.50 WA	.250 %	MP										
13A	HALOXYFOP	2.00 E	.120 LB/AC	MP	100	20	0	100	20	100	100	97	67	100
13B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
13C	BENTAZON	4.00 E	.500 LB/AC	+4D										
13D	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D										
13E	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D										
14A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	73	37	0	73	77	87	87	23	73	97
14B	BENTAZON	4.00 E	1.000 LB/AC	EP										
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
15A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP	90	33	0	90	77	90	93	40	47	100
15B	BENTAZON	4.00 E	1.000 LB/AC	MP										
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
16A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	77	50	0	77	97	93	93	30	70	100
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
16C	BENTAZON	4.00 E	1.000 LB/AC	+4D										
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D										
17A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	87	83	0	87	87	97	90	97	90	93
17B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP										
17C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP										
18A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP	57	70	3	57	70	100	97	100	87	97
18B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP										
18C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
19A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	80	80	0	80	77	100	97	100	87	100
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
19C	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D										
19D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D										
20A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	90	87	0	90	90	93	90	90	100	93
20B	PP 021	2.00 LC	.250 LB/AC	EP										
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	BLNS	RRPW	VELE
21A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	87	80	0	87	80	100	93	93	100	100
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
21C	PP 021	2.00 LC	.250 LB/AC	+4D										
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D										
22A	LACTOFEN	2.00 E	.200 LB/AC	EP	77	77	0	77	80	100	93	100	97	90
22B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP										
22C	X-77 (SURFACTANT)	.50 WA	.250 %	EP										
23A	LACTOFEN	2.00 E	.200 LB/AC	EP	73	90	0	73	90	93	93	100	100	87
23B	BENTAZON	4.00 E	.500 LB/AC	EP										
23C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP										
23D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP										
24A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	90	67	0	90	60	100	97	93	93	100
24B	HALOXYFOP	2.00 E	.120 LB/AC	MP										
24C	X-77 (SURFACTANT)	.50 WA	.250 %	MP										
25A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	83	77	0	83	73	97	97	97	97	100
25B	Y 6202	.80 L	.100 LB/AC	MP										
25C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
26A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	83	50	0	83	50	100	93	97	63	97
26B	FENOXAPROP	1.00 EC	.150 LB/AC	MP										
27A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	60	90	0	60	90	97	97	97	97	100
27B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP										
27C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
28A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	77	70	0	77	70	100	93	97	73	97
28B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP										
28C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP										
29A	AC 499	1.92 AS	.063 LB/AC	LP	83	17	20	83	17	97	90	100	100	100
29B	X-77 (SURFACTANT)	.50 WA	.250 %	LP										
30A	AC 499	1.92 AS	.093 LB/AC	LP	87	17	20	87	17	93	97	100	100	100
30B	X-77 (SURFACTANT)	.50 WA	.250 %	LP										
31A	AC 499	1.92 AS	.125 LB/AC	LP	93	23	30	93	23	97	100	100	100	100
31B	X-77 (SURFACTANT)	.50 WA	.250 %	LP										
32A	AC 499	1.92 AS	.063 LB/AC	LP	73	23	7	73	23	93	97	100	100	100
32B	10 34 0	.00 AD	1.000 QT/AC	LP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLIED									
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	BLNS	RRPW	VELE
33A	AC 499	1.92 AS	.063 LB/AC	LP	60	37	37	60	33	100	100	100	100	100
33B	2,4-DB	2.00 E	.030 LB/AC	LP										
33C	X-77 (SURFACTANT)	.50 WA	.250 %	LP										
34A	AC 499	1.92 AS	.063 LB/AC	LP	37	30	23	37	30	93	87	100	100	100
34B	ACIFLUORFEN	2.00 L	.250 LB/AC	LP										
34C	OIL CONCENTRATE	.00 AD	.500 QT/AC	LP										
35A	AC 499	1.92 AS	.063 LB/AC	LP	77	23	20	77	23	93	93	100	100	100
35B	IMAZAQUIN	1.50 AS	.125 LB/AC	LP										
35C	X-77 (SURFACTANT)	.50 WA	.250 %	LP										
36A	LAB 175695	50.00 WP	.100 LB/AC	MP	10	63	0	10	57	100	100	100	80	100
36B	BAS 090 02	.00 WA	1.000 %	MP										
37A	LAB 175695	50.00 WP	.250 LB/AC	MP	10	47	0	10	47	100	100	100	63	100
37B	BAS 090 02	.00 WA	1.000 %	MP										
38A	LAB 175695	50.00 WP	.500 LB/AC	MP	13	67	0	13	63	100	100	100	73	100
38B	BAS 090 02	.00 WA	1.000 %	MP										
39A	RE 45601	2.00 EC	.060 LB/AC	4LF	100	10	0	100	10	90	93	100	37	100
39B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF										
40A	RE 45601	2.00 EC	.125 LB/AC	4LF	100	10	0	100	20	87	73	100	40	60
40B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF										
LSD(05):					16	24	10	16	22	7	14	15	32	7

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.0 O.M.: 3.4%

DATE TREATED: EP MAY 22  
 +4D MAY 30  
 MP MAY 30  
 4LF MAY 30  
 +4D JUNE 2  
 +7D JUNE 2  
 LP JUNE 2  
 LLP JUNE 9



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----						
					CRIN	GIFT	COLQ	ILMG	TAMG	RRPW	VELE
1A	BENTAZON	4.00 E	.750 LB/AC	EP	0	97	90	97	87	93	93
1B	ACIFLUORFEN	2.00 L	.380 LB/AC	EP							
1C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP							
1D	FENOXAPROP	1.00 EC	.150 LB/AC	+7D							
1E	OIL CONCENTRATE	.00 AD	.500 QT/AC	+7D							
2A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	100	97	93	100	20	100
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
2C	BAS 517	1.67 E	.075 LB/AC	LP							
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP							
3A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	100	90	97	100	10	100
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
3C	BAS 517	1.67 E	.100 LB/AC	LP							
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP							
4A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	87	97	93	87	53	100
4B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
4C	BAS 517	1.67 E	.100 LB/AC	LLP							
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP							
5A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	100	83	97	90	27	100
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
5C	BAS 517	1.67 E	.150 LB/AC	LP							
5D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP							
6A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	97	97	97	97	23	100
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
6C	BAS 517	1.67 E	.150 LB/AC	LLP							
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP							
7A	HALOXYFOP	2.00 E	.120 LB/AC	MP	0	97	17	100	90	97	100
7B	LACTOFEN	2.00 E	.200 LB/AC	MP							
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
8A	HALOXYFOP	2.00 E	.120 LB/AC	MP	10	100	10	97	73	100	100
8B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
8C	LACTOFEN	2.00 E	.200 LB/AC	+4D							
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D							
9A	HALOXYFOP	2.00 E	.120 LB/AC	MP	0	87	13	83	63	100	100
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
9C	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
10A	HALOXYFOP	2.00 E	.120 LB/AC	MP	0	100	10	97	90	100	100
10B	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
10C	IMAZAQUIN	1.50 AS	.125 LB/AC	+4D							
10D	X-77 (SURFACTANT)	.50 WA	.250 %	+4D							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----						
					CRIN	GIFT	COLQ	ILMG	TAMG	RRPW	VELE
11A	HALOXYFOP	2.00 E	.120 LB/AC	MP	0	83	50	100	90	93	100
11B	BENTAZON	4.00 E	.500 LB/AC	MP							
11C	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
11D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
12A	HALOXYFOP	2.00 E	.120 LB/AC	MP	7	80	63	100	97	83	100
12B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
12C	2,4-DB	2.00 E	.030 LB/AC	MP							
12D	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
13A	HALOXYFOP	2.00 E	.120 LB/AC	MP	0	100	10	100	100	83	100
13B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
13C	BENTAZON	4.00 E	.500 LB/AC	+4D							
13D	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D							
13E	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D							
14A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	0	70	70	90	87	73	93
14B	BENTAZON	4.00 E	1.000 LB/AC	EP							
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
15A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP	0	93	63	90	90	37	100
15B	BENTAZON	4.00 E	1.000 LB/AC	MP							
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
16A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	0	67	93	100	93	70	100
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
16C	BENTAZON	4.00 E	1.000 LB/AC	+4D							
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D							
17A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	0	87	87	100	93	90	93
17B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP							
17C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP							
18A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP	0	50	60	100	97	83	100
18B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
18C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
19A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	0	80	77	97	97	83	100
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
19C	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D							
19D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D							
20A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	0	87	87	100	90	100	93
20B	PP 021	2.00 LC	.250 LB/AC	EP							
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION -----						
					CRIN	GIFT	COLQ	ILMG	TAMG	RRPW	VELE
21A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP	0	77	80	100	93	100	100
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
21C	PP 021	2.00 LC	.250 LB/AC	+4D							
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D							
22A	LACTOFEN	2.00 E	.200 LB/AC	EP	0	67	70	100	90	100	93
22B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP							
22C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
23A	LACTOFEN	2.00 E	.200 LB/AC	EP	0	57	90	97	93	100	87
23B	BENTAZON	4.00 E	.500 LB/AC	EP							
23C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP							
23D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP							
24A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	0	97	47	100	93	93	100
24B	HALOXYFOP	2.00 E	.120 LB/AC	MP							
24C	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
25A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	0	87	63	97	90	97	100
25B	Y 6202	.80 L	.100 LB/AC	MP							
25C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
26A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	0	80	40	100	93	70	97
26B	FENOXAPROP	1.00 EC	.150 LB/AC	MP							
27A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	3	47	83	97	97	93	100
27B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP							
27C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
28A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP	0	70	70	100	93	73	93
28B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP							
28C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
29A	AC 499	1.92 AS	.063 LB/AC	LP	0	90	10	100	97	100	100
29B	X-77 (SURFACTANT)	.50 WA	.250 %	LP							
30A	AC 499	1.92 AS	.093 LB/AC	LP	7	97	13	100	97	100	100
30B	X-77 (SURFACTANT)	.50 WA	.250 %	LP							
31A	AC 499	1.92 AS	.125 LB/AC	LP	7	97	10	100	100	100	100
31B	X-77 (SURFACTANT)	.50 WA	.250 %	LP							
32A	AC 499	1.92 AS	.063 LB/AC	LP	0	90	10	100	100	100	100
32B	10 34 0	.00 AD	1.000 QT/AC	LP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION -----							
					CRIN	GIFT	COLQ	ILMG	TAMG	RRPW	VELE	
33A	AC 499	1.92 AS	.063 LB/AC	LP	13	67	20	100	100	100	100	
33B	2,4-DB	2.00 E	.030 LB/AC	LP								
33C	X-77 (SURFACTANT)	.50 WA	.250 %	LP								
34A	AC 499	1.92 AS	.063 LB/AC	LP	10	27	30	93	87	100	100	
34B	ACIFLUORFEN	2.00 L	.250 LB/AC	LP								
34C	OIL CONCENTRATE	.00 AD	.500 QT/AC	LP								
35A	AC 499	1.92 AS	.063 LB/AC	LP	3	83	13	93	93	100	100	
35B	IMAZAQUIN	1.50 AS	.125 LB/AC	LP								
35C	X-77 (SURFACTANT)	.50 WA	.250 %	LP								
36A	LAB 175695	50.00 WP	.100 LB/AC	MP	0	10	83	100	100	93	100	
36B	BAS 090 02	.00 WA	1.000 %	MP								
37A	LAB 175695	50.00 WP	.250 LB/AC	MP	0	10	77	100	100	83	100	
37B	BAS 090 02	.00 WA	1.000 %	MP								
38A	LAB 175695	50.00 WP	.500 LB/AC	MP	0	10	87	100	100	93	100	
38B	BAS 090 02	.00 WA	1.000 %	MP								
39A	RE 45601	2.00 EC	.060 LB/AC	4LF	0	100	10	93	80	40	100	
39B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF								
40A	RE 45601	2.00 EC	.125 LB/AC	4LF	0	100	13	80	57	40	87	
40B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF								
LSD(05):					6	16	25	8	16	31	5	

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.0 O.M.: 3.4%  
 DATE TREATED: EP MAY 22  
 +4D MAY 30  
 MP MAY 30  
 4LF MAY 30  
 +4D JUNE 2  
 +7D JUNE 2  
 LP JUNE 2  
 LLP JUNE 9

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	RRPW	COLQ	JIWE	BLNS
1A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	92	60	0	92	100	100	40	22
1B	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	EP								
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
2A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	98	38	0	98	92	92	15	28
2B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	EP								
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
3A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	98	45	0	98	100	100	38	12
3B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP								
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
4A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	98	50	2	98	100	100	40	28
4B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP								
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
5A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	98	58	5	98	100	100	55	25
5B	FENOXAPROP	1.00 EC	.100 LB/AC	MP								
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
6A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	55	5	100	98	90	25	35
6B	FENOXAPROP	1.00 EC	.150 LB/AC	MP								
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
7A	PP 021	2.00 LC	.125 LB/AC	MP	98	55	0	98	85	32	95	88
7B	FENOXAPROP	1.00 EC	.200 LB/AC	MP								
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
8A	SETHOXYDIM	1.53 EC	.100 LB/AC	LP	100	38	0	100	62	5	45	45
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
9A	SETHOXYDIM	1.53 EC	.150 LB/AC	LP	100	35	0	100	70	10	45	45
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
10A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	100	22	0	100	50	0	25	25
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
11A	SETHOXYDIM	1.53 EC	.100 LB/AC	LP	98	38	0	98	58	0	52	40
11B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LP								
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
12A	SETHOXYDIM	1.53 EC	.150 LB/AC	LP	100	32	0	100	58	0	45	45
12B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LP								
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	RRPW	COLQ	JIWE	BLNS
13A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	100	35	0	100	60	0	45	35
13B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LP								
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
14A	SETHOXYDIM	1.53 EC	.100 LB/AC	LP	100	40	0	100	40	10	42	40
14B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP								
15A	SETHOXYDIM	1.53 EC	.150 LB/AC	LP	100	40	0	100	65	18	35	35
15B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP								
16A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	100	30	0	100	62	0	35	35
16B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP								
17	SC 0098	1.70 EC	.030 LB/AC	EP	0	90	0	0	100	98	85	90
18	SC 0098	1.70 EC	.030 LB/AC	MP	0	98	0	0	100	100	98	98
19	SC 0098	1.70 EC	.060 LB/AC	EP	10	75	0	10	98	100	72	82
20	SC 0098	1.70 EC	.060 LB/AC	MP	0	92	25	0	100	100	92	95
21A	SC 0098	1.70 EC	.030 LB/AC	EP	58	65	0	58	90	65	68	72
21B	OIL CONCENTRATE	.00 AD	.125 QT/AC	EP								
22A	SC 0098	1.70 EC	.030 LB/AC	MP	8	100	0	8	100	100	100	100
22B	OIL CONCENTRATE	.00 AD	.125 QT/AC	MP								
23	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(05):		10	16	NS	10	29	20	22	24

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.4%  
 DATE TREATED: PRE MAY 9  
 EP MAY 22  
 MP MAY 30  
 LP JUNE 2

TREATMENTS 8-16 ARE APPLIED IN 10 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	JIWE	COLQ	RRPW
1A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	0	90	38	100	100
1B	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	EP					
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
2A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	0	98	15	90	92
2B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	EP					
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
3A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	0	98	35	100	95
3B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP					
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
4A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	0	98	40	95	98
4B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP					
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
5A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	0	98	55	98	100
5B	FENOXAPROP	1.00 EC	.100 LB/AC	MP					
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
6A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	0	100	22	88	95
6B	FENOXAPROP	1.00 EC	.150 LB/AC	MP					
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
7A	PP 021	2.00 LC	.125 LB/AC	MP	0	98	92	8	82
7B	FENOXAPROP	1.00 EC	.200 LB/AC	MP					
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
8A	SETHOXYDIM	1.53 EC	.100 LB/AC	LP	0	100	40	5	60
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
9A	SETHOXYDIM	1.53 EC	.150 LB/AC	LP	0	100	40	10	70
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
10A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	20	0	50
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
11A	SETHOXYDIM	1.53 EC	.100 LB/AC	LP	0	98	50	0	55
11B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LP					
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
12A	SETHOXYDIM	1.53 EC	.150 LB/AC	LP	0	100	42	0	52
12B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LP					
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---8 WEEKS AFTER APPLIED ---				
					CRIN	GIFT	JIWE	COLQ	RRPW
13A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	42	0	55
13B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LP					
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
14A	SETHOXYDIM	1.53 EC	.100 LB/AC	LP	0	100	40	8	42
14B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP					
15A	SETHOXYDIM	1.53 EC	.150 LB/AC	LP	0	100	32	18	62
15B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP					
16A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	30	0	60
16B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP					
17	SC 0098	1.70 EC	.030 LB/AC	EP	0	5	75	98	82
18	SC 0098	1.70 EC	.030 LB/AC	MP	0	0	92	98	98
19	SC 0098	1.70 EC	.060 LB/AC	EP	0	10	68	75	98
20	SC 0098	1.70 EC	.060 LB/AC	MP	0	0	92	72	95
21A	SC 0098	1.70 EC	.030 LB/AC	EP	0	50	62	60	88
21B	OIL CONCENTRATE	.00 AD	.125 QT/AC	EP					
22A	SC 0098	1.70 EC	.030 LB/AC	MP	0	8	95	75	98
22B	OIL CONCENTRATE	.00 AD	.125 QT/AC	MP					
23	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100
LSD(05):					0	11	21	30	30

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 9  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.4%  
 DATE TREATED: PRE MAY 9  
 EP MAY 22  
 MP MAY 30  
 LP JUNE 2

TREATMENTS 8-16 ARE APPLIED IN 10 GPA



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6052 SOYBEAN POSTEMERGENCE VI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	CRIN	GIFT	COCB	COLQ	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	77	0	90	83	97	100
1B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
1C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	77	0	90	93	93	83
2B	BENTAZON	4.00 E	1.000 LB/AC	MP							
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	0	93	93	100	93
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE							
3C	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
3D	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	27	0	100	100	87	73
4B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
4C	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	30	0	100	100	83	37
5B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
5C	10 34 0	.00 AD	1.000 QT/AC	MP							
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	43	0	97	97	97	93
6B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
6C	2,4-DB	2.00 E	.030 LB/AC	MP							
6D	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	43	0	93	97	77	100
7B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
7C	2,4-DB	2.00 E	.030 LB/AC	MP							
7D	10 34 0	.00 AD	1.000 QT/AC	MP							
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	30	0	97	100	93	83
8B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
8C	ACIFLUORFEN	2.00 L	.180 LB/AC	MP							
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	37	0	97	100	100	70
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
9C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	57	0	97	100	97	73
10B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
10C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
10D	10 34 0	.00 AD	1.000 QT/AC	MP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6052 SOYBEAN POSTEMERGENCE VI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	CRIN	GIFT	COCB	COLQ	ILMG
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	0	97	100	97	90
11B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP							
11C	BENTAZON	4.00 E	.500 LB/AC	MP							
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	50	0	100	93	93	83
12B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	87	0	100	97	93	93
13B	CHLORIMURON	25.00 DF	.012 LB/AC	EP							
13C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	0	97	97	100	90
14B	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE							
14C	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
14D	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	83	0	93	97	93	87
15B	LACTOFEN	2.00 E	.150 LB/AC	EP							
15C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	77	0	93	87	100	90
16B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP							
16C	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	0	93	100	97	90
17B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP							
17C	BENTAZON	4.00 E	.500 LB/AC	MP							
17D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	33	0	100	87	100	70
18B	DPX M6316	75.00 DF	.008 LB/AC	EP							
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	57	0	77	97	97	77
19B	DPX M6316	75.00 DF	.015 LB/AC	EP							
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	80	0	87	93	100	90
20B	DPX M6316	75.00 DF	.008 LB/AC	EP							
20C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
			LSD(05):		10	22	0	10	NS	NS	19

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6052 SOYBEAN POSTEMERGENCE VI

LOCATION: SPINDLETOP FARM  
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
DATE PLANTED: MAY 21 PH: 6.5 O.M.: 3.6%  
VARIETY: WILLIAMS 82 DATE TREATED: PRE MAY 21  
EP JUNE 9  
MP JUNE 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6052 SOYBEAN POSTEMERGENCE VI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION				
					CRIN	GIFT	COCB	COLQ	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	80	93	83
1B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP					
1C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	93	90	70
2B	BENTAZON	4.00 E	1.000 LB/AC	MP					
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	97	97	87
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE					
3C	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
3D	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	97	80	60
4B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
4C	X-77 (SURFACTANT)	.50 WA	.250 %	MP					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	97	90	43
5B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
5C	10 34 0	.00 AD	1.000 QT/AC	MP					
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	87	73	67
6B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
6C	2,4-DB	2.00 E	.030 LB/AC	MP					
6D	X-77 (SURFACTANT)	.50 WA	.250 %	MP					
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	93	73	73
7B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
7C	2,4-DB	2.00 E	.030 LB/AC	MP					
7D	10 34 0	.00 AD	1.000 QT/AC	MP					
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	100	90	70
8B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
8C	ACIFLUORFEN	2.00 L	.180 LB/AC	MP					
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	100	83	47
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
9C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP					
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	100	90	63
10B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
10C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP					
10D	10 34 0	.00 AD	1.000 QT/AC	MP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6052 SOYBEAN POSTEMERGENCE VI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION				
					CRIN	GIFT	COCB	COLQ	ILMG
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	100	93	77
11B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP					
11C	BENTAZON	4.00 E	.500 LB/AC	MP					
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	87	90	70
12B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	97	93	87
13B	CHLORIMURON	25.00 DF	.012 LB/AC	EP					
13C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	97	100	83
14B	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE					
14C	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
14D	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	93	87	80
15B	LACTOFEN	2.00 E	.150 LB/AC	EP					
15C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	87	100	73
16B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP					
16C	X-77 (SURFACTANT)	.50 WA	.250 %	MP					
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	97	97	80
17B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP					
17C	BENTAZON	4.00 E	.500 LB/AC	MP					
17D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	87	97	63
18B	DPX M6316	75.00 DF	.008 LB/AC	EP					
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	77	97	97	73
19B	DPX M6316	75.00 DF	.015 LB/AC	EP					
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	70	83	87	73
20B	DPX M6316	75.00 DF	.008 LB/AC	EP					
20C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
LSD(05):					0	17	13	NS	27

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6052 SOYBEAN POSTEMERGENCE VI

LOCATION: SPINDLETOP FARM  
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
DATE PLANTED: MAY 21 DATE TREATED: PH: 6.5 O.M.: 3.6%  
VARIETY: WILLIAMS 82 EP JUNE 9  
MP JUNE 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6030 REDUCED TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----									
					GRAS	BRLE	CRIN	LACG	GIFT	JIWE	ILMG	MRTL	WILE	HHCL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	80	68	0	80	90	90	75	88	92	80
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	70	0	92	90	88	65	98	98	68
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
2C	BENTAZON	4.00 E	1.000 LB/AC	MP										
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
3A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	78	75	0	85	82	88	58	100	95	82
3B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
4A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	90	72	0	98	92	88	50	82	88	75
4B	METOLACHLOR	8.00 E	.660 LB/AC	PRE										
4C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
5A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	88	70	0	92	98	82	72	100	100	68
5B	METRIBUZIN	75.00 DF	.330 LB/AC	EPP										
5C	METOLACHLOR	8.00 E	.660 LB/AC	PRE										
5D	METRIBUZIN	75.00 DF	.165 LB/AC	PRE										
6A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	85	60	0	85	92	90	65	90	100	68
6B	METRIBUZIN	75.00 DF	.330 LB/AC	EPP										
6C	METOLACHLOR	8.00 E	1.320 LB/AC	PRE										
6D	METRIBUZIN	75.00 DF	.165 LB/AC	PRE										
7A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	88	65	0	92	95	80	60	88	92	75
7B	METRIBUZIN	75.00 DF	.330 LB/AC	EPP										
7C	METOLACHLOR	8.00 E	1.320 LB/AC	PRE										
7D	METRIBUZIN	75.00 DF	.330 LB/AC	PRE										
8A	ORYZALIN	85.00 DF	1.500 LB/AC	PRE	88	58	0	98	95	78	60	72	82	65
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
9A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	78	60	0	85	90	70	65	68	50	72
9B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP										
10A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	62	68	0	65	78	72	70	92	85	68
10B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	EPP										
11A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	90	60	0	90	100	75	55	70	70	65
11B	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP										
12A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	78	68	0	80	85	88	68	80	82	80
12B	IMAZAQUIN	1.50 AS	.180 LB/AC	EPP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6030 REDUCED TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLICATION										
					GRAS	BRLE	CRIN	LACG	GIFT	JIWE	ILMG	MRTL	WILE	HHCL	
13	FMC 57020	6.00 EC	1.000 LB/AC	PRE	92	70	0	92	98	75	60	90	100	70	
14A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	92	82	0	98	98	92	75	85	92	78	
14B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP											
14C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
15A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	80	75	0	92	85	82	70	88	90	72	
15B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
16A	CINMETHYLIN	7.00 EC	.630 LB/AC	PPI	95	65	0	98	100	78	65	95	100	70	
16B	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI											
16C	CINMETHYLIN	7.00 EC	.630 LB/AC	PRE											
16D	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE											
17A	CINMETHYLIN	7.00 EC	.630 LB/AC	PPI	92	55	2	98	98	72	60	95	92	75	
17B	CINMETHYLIN	7.00 EC	.630 LB/AC	PRE											
17C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
18A	CINMETHYLIN	7.00 EC	.630 LB/AC	PPI	92	58	0	95	95	68	45	100	100	60	
18B	METRIBUZIN	75.00 DF	.250 LB/AC	PPI											
18C	CINMETHYLIN	7.00 EC	.630 LB/AC	PRE											
18D	METRIBUZIN	75.00 DF	.250 LB/AC	PRE											
19	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0	0	
20	CHECK (UNCULTIVATED)	.00 CK	.000		*****	NO DATA FOUND	*****								
LSD(05):					14	14	NS	14	10	12	16	15	15	17	

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 16  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 2.5%  
 DATE TREATED: EPP APRIL 18  
 PPI MAY 16  
 PRE MAY 16  
 MP JUNE 9

\*\*\* GROUP HEADING 2 FOR COLS 6 - 8 HAS BEEN TRUNCATED



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6030 REDUCED TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	8 WEEKS AFTER APPLICATION							
					CRIN	LACG	GIFT	JIWE	ILMG	MRTL	WILE	HHCL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	68	75	78	55	82	88	68
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	78	88	70	48	95	98	55
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
2C	BENTAZON	4.00 E	1.000 LB/AC	MP								
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
3A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	62	72	70	30	100	92	68
3B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
4A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	0	92	82	75	35	78	85	58
4B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
4C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
5A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	0	90	90	72	50	100	100	48
5B	METRIBUZIN	75.00 DF	.330 LB/AC	EPP								
5C	METOLACHLOR	8.00 E	.660 LB/AC	PRE								
5D	METRIBUZIN	75.00 DF	.165 LB/AC	PRE								
6A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	0	72	90	72	45	88	100	42
6B	METRIBUZIN	75.00 DF	.330 LB/AC	EPP								
6C	METOLACHLOR	8.00 E	1.320 LB/AC	PRE								
6D	METRIBUZIN	75.00 DF	.165 LB/AC	PRE								
7A	METOLACHLOR	8.00 E	1.320 LB/AC	EPP	0	82	78	60	38	85	92	48
7B	METRIBUZIN	75.00 DF	.330 LB/AC	EPP								
7C	METOLACHLOR	8.00 E	1.320 LB/AC	PRE								
7D	METRIBUZIN	75.00 DF	.330 LB/AC	PRE								
8A	ORYZALIN	85.00 DF	1.500 LB/AC	PRE	0	92	82	62	38	70	78	42
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
9A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	0	62	65	55	48	55	40	52
9B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP								
10A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	0	38	68	58	55	90	80	45
10B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	EPP								
11A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	0	85	85	62	32	60	65	52
11B	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP								
12A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	0	75	80	80	40	68	75	65
12B	IMAZAQUIN	1.50 AS	.180 LB/AC	EPP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6030 REDUCED TILLAGE EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION -----							
					CRIN	LACG	GIFT	JIWE	ILMG	MRTL	WILE	HHCL
13	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	85	92	60	25	82	98	52
14A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	92	90	85	68	78	92	60
14B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP								
14C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
15A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	0	75	72	68	60	85	90	48
15B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
16A	CINMETHYLIN	7.00 EC	.630 LB/AC	PPI	0	92	90	65	38	92	98	50
16B	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI								
16C	CINMETHYLIN	7.00 EC	.630 LB/AC	PRE								
16D	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE								
17A	CINMETHYLIN	7.00 EC	.630 LB/AC	PPI	0	88	92	58	45	90	88	58
17B	CINMETHYLIN	7.00 EC	.630 LB/AC	PRE								
17C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
18A	CINMETHYLIN	7.00 EC	.630 LB/AC	PPI	0	95	95	55	32	100	98	40
18B	METRIBUZIN	75.00 DF	.250 LB/AC	PPI								
18C	CINMETHYLIN	7.00 EC	.630 LB/AC	PRE								
18D	METRIBUZIN	75.00 DF	.250 LB/AC	PRE								
19	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0
20	CHECK (UNCULTIVATED)	.00 CK	.000		*****	NO DATA FOUND	*****					
LSD(05):					0	20	12	13	16	19	17	19

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 16  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 2.5%  
 DATE TREATED: EPP APRIL 18  
 PPI MAY 16  
 PRE MAY 16  
 MP JUNE 9

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6017 NO-TILL FULL SEASON EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLIED --					--8 WEEKS AFTER APPL -			
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	35	12	100	50	78	0	42	75
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
1C	PARAQUAT	2.00 E	.500 LB/AC	PRE									
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	0	100	92	100	5	92	100
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
2D	BENTAZON	4.00 E	.500 LB/AC	MP									
2E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	18	15	100	35	35	0	20	30
3B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
3C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	25	18	100	30	35	0	25	40
4B	AC 499	1.92 AS	.125 LB/AC	PRE									
4C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5A	METOLACHLOR	8.00 E	2.000 LB/AC	EPP	82	82	5	82	90	100	0	82	100
5B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP									
5C	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									
6A	METOLACHLOR	8.00 E	1.750 LB/AC	EPP	100	98	0	100	100	100	2	98	100
6B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP									
6C	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									
6D	METOLACHLOR	8.00 E	.750 LB/AC	PRE									
6E	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
7A	METRIBUZIN 1	4.00 F	.380 LB/AC	EPP	85	95	0	85	95	100	0	92	100
7B	FMC 57020	6.00 EC	.660 LB/AC	EPP									
7C	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									
8A	METRIBUZIN 1	4.00 F	.380 LB/AC	EPP	80	80	0	80	88	100	2	85	100
8B	FMC 57020	6.00 EC	.750 LB/AC	EPP									
8C	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									
9A	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP	100	100	0	100	100	100	2	98	100
9B	FMC 57020	6.00 EC	.660 LB/AC	EPP									
9C	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									
10A	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP	88	92	0	88	100	100	5	92	100
10B	FMC 57020	6.00 EC	.750 LB/AC	EPP									
10C	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6017 NO-TILL FULL SEASON EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLIED --				--8 WEEKS AFTER APPL -				
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
11A	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP	100	30	10	100	22	62	0	20	50
11B	PENDIMETHALIN	4.00 E	1.500 LB/AC	EPP									
11C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
11D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	30	12	100	35	60	2	30	88
12B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE									
12C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
13A	IMAZAQUIN	1.50 AS	.155 LB/AC	EPP	100	25	12	100	18	45	0	10	25
13B	PENDIMETHALIN	4.00 E	1.500 LB/AC	EPP									
13C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
13D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
14A	IMAZAQUIN	1.50 AS	.188 LB/AC	EPP	100	25	8	100	30	38	0	20	15
14B	PENDIMETHALIN	4.00 E	1.500 LB/AC	EPP									
14C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
14D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
15A	IMAZAQUIN	1.50 AS	.093 LB/AC	EPP	100	40	8	100	35	60	0	20	30
15B	PENDIMETHALIN	4.00 E	.750 LB/AC	EPP									
15C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
15D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
15E	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE									
15F	PENDIMETHALIN	4.00 E	.500 LB/AC	PRE									
16A	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP	100	42	8	100	40	40	0	20	25
16B	PENDIMETHALIN	4.00 E	1.000 LB/AC	EPP									
16C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
16D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
16E	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE									
16F	PENDIMETHALIN	4.00 E	.500 LB/AC	PRE									
17A	FMC 57020	6.00 EC	1.000 LB/AC	EPP	75	22	2	75	20	45	0	20	68
17B	PARAQUAT	2.00 E	.250 LB/AC	EPP									
17C	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
18A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	30	8	100	25	88	0	15	50
18B	PARAQUAT	2.00 E	.250 LB/AC	PRE									
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
19A	FMC 57020	6.00 EC	1.000 LB/AC	EPP	98	85	0	98	82	100	2	88	100
19B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	EPP									
19C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
19D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6017 NO-TILL FULL SEASON EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA		RATE		APPL METH	----4 WEEKS AFTER APPLIED --				--8 WEEKS AFTER APPL -				
							GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
20A	FMC 57020	6.00	EC	1.000	LB/AC	PRE	100	98	2	100	98	100	5	85	100
20B	CHLORIMURON + METRIB	75.00	DF	.380	LB/AC	PRE									
20C	PARAQUAT	2.00	E	.250	LB/AC	PRE									
20D	X-77 (SURFACTANT)	.50	WA	.250	%	PRE									
21A	FMC 57020	6.00	EC	.500	LB/AC	PRE	100	35	12	100	40	52	0	30	50
21B	IMAZAQUIN	1.50	AS	.090	LB/AC	PRE									
21C	PARAQUAT	2.00	E	.250	LB/AC	PRE									
21D	X-77 (SURFACTANT)	.50	WA	.250	%	PRE									
22A	AC 499	1.92	AS	.125	LB/AC	EPP	100	18	20	100	25	25	0	10	0
22B	PARAQUAT	2.00	E	.250	LB/AC	EPP									
22C	X-77 (SURFACTANT)	.50	WA	.250	%	EPP									
23A	AC 499	1.92	AS	.157	LB/AC	EPP	100	25	15	100	22	22	0	5	0
23B	PARAQUAT	2.00	E	.250	LB/AC	EPP									
23C	X-77 (SURFACTANT)	.50	WA	.250	%	EPP									
24A	AC 499	1.92	AS	.188	LB/AC	EPP	100	20	12	100	20	25	0	0	0
24B	PARAQUAT	2.00	E	.250	LB/AC	EPP									
24C	X-77 (SURFACTANT)	.50	WA	.250	%	EPP									
25A	METALACHLOR + METRIB	8.00	EC	2.000	LB/AC	EPP	100	90	0	100	92	100	0	95	100
25B	2,4-D ESTER	4.00	E	1.000	LB/AC	EPP									
25C	METALACHLOR + METRIB	8.00	EC	1.000	LB/AC	PRE									
25D	FMC 57020	6.00	EC	.250	LB/AC	PRE									
26A	METALACHLOR + METRIB	8.00	EC	2.000	LB/AC	EPP	100	92	5	100	92	100	2	92	100
26B	2,4-D ESTER	4.00	E	1.000	LB/AC	EPP									
26C	METALACHLOR + METRIB	8.00	EC	1.000	LB/AC	PRE									
26D	FMC 57020	6.00	EC	.500	LB/AC	PRE									
27A	METALACHLOR + METRIB	8.00	EC	2.000	LB/AC	EPP	100	98	0	100	100	100	10	95	100
27B	2,4-D ESTER	4.00	E	1.000	LB/AC	EPP									
27C	METALACHLOR + METRIB	8.00	EC	1.000	LB/AC	PRE									
27D	IMAZAQUIN	1.50	AS	.060	LB/AC	PRE									
28A	METALACHLOR + METRIB	8.00	EC	2.000	LB/AC	EPP	100	92	0	100	98	100	2	95	100
28B	2,4-D ESTER	4.00	E	1.000	LB/AC	EPP									
28C	METALACHLOR + METRIB	8.00	EC	1.000	LB/AC	PRE									
28D	IMAZAQUIN	1.50	AS	.090	LB/AC	PRE									
29A	METALACHLOR + METRIB	8.00	EC	2.500	LB/AC	EPP	100	100	0	100	100	100	0	100	100
29B	2,4-D ESTER	4.00	E	1.000	LB/AC	EPP									
29C	METALACHLOR + METRIB	8.00	EC	.750	LB/AC	PRE									
29D	METRIBUZIN 1	4.00	F	.250	LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6017 NO-TILL FULL SEASON EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --	--8 WEEKS AFTER APPL -							
					GRAS BRLE CRIN LACG MRTL PRLE CRIN MRTL PRLE								
30A	CINMETHYLIN	7.00 EC	1.250 LB/AC	EPP	60	80	5	60	90	100	2	78	100
30B	METRIBUZIN	75.00 DF	.500 LB/AC	EPP									
30C	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP									
31A	CINMETHYLIN	7.00 EC	1.250 LB/AC	EPP	100	25	15	100	25	65	0	15	25
31B	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP									
31C	PARAQUAT	2.00 E	.250 LB/AC	EPP									
31D	X-77 (SURFACTANT)	.50 WA	.250 %	EPP									
32A	SETHOXYDIM	1.53 EC	.100 LB/AC	EPP	100	58	20	100	60	100	0	55	100
32B	2,4-D AMINE	4.00 E	.500 LB/AC	EPP									
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP									
32D	SETHOXYDIM	1.53 EC	.200 LB/AC	MP									
32E	BENTAZON	4.00 E	.500 LB/AC	MP									
32F	ACIFLUORFEN	2.00 L	.380 LB/AC	MP									
32G	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									
33A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	100	30	10	100	35	72	0	25	60
33B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
33C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
33D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
34A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	100	80	8	100	82	100	2	82	100
34B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP									
34C	BENTAZON	4.00 E	.500 LB/AC	EP									
34D	ACIFLUORFEN	2.00 L	.380 LB/AC	EP									
34E	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP									
35	CHECK (UNCULTIVATED)	.00 CK	.000		12	2	2	12	2	2	0	0	0
36	CHECK (UNCULTIVATED)	.00 CK	.000		*****	NO DATA FOUND	*****						
		LSD(05):			20	16	8	20	19	19	4	17	37

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 16  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 2.5%  
 DATE TREATED: EPP APRIL 18  
 PRE MAY 16  
 EP JUNE 6  
 MP JUNE 9

\*\*\* GROUP HEADING 1 FOR COLS 11 - 6 HAS BEEN TRUNCATED

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6032 NO-TILL FULL SEASON EARLY PREPLANT SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLIED --			8 WEEKS AFTER AP				
					GRAS	BRLE	BLNS	PRSI	MRTL	BLNS	PRSI	MRTL
1A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	65	50	48	0	85	42	0	82
1B	EL 107	75.00 WP	.088 LB/AC	FAL								
1C	2,4 D AMINE	4.00 E	1.000 LB/AC	FAL								
2A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	88	20	100	98	42	100	85	12
2B	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP								
3A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	85	45	48	12	82	75	5	75
3B	EL 107	75.00 WP	.132 LB/AC	FAL								
3C	2,4 D AMINE	4.00 E	1.000 LB/AC	FAL								
4A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	95	15	100	50	22	100	100	0
4B	IMAZAQUIN	1.50 AS	.090 LB/AC	EPP								
4C	IMAZAQUIN	1.50 AS	.090 LB/AC	EP								
4D	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
5A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	92	55	20	25	80	48	10	78
5B	EL 107	75.00 WP	.176 LB/AC	FAL								
5C	2,4 D AMINE	4.00 E	1.000 LB/AC	FAL								
6A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	85	58	70	42	80	70	48	62
6B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP								
6C	IMAZAQUIN	1.50 AS	.090 LB/AC	EP								
6D	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
7A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	65	32	72	68	32	65	55	25
7B	EL 107	75.00 WP	.088 LB/AC	FAL								
8A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	95	82	52	62	100	32	55	100
8B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	EPP								
9A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	90	30	72	40	55	72	38	42
9B	EL 107	75.00 WP	.132 LB/AC	FAL								
10A	ORYZALIN	85.00 DF	1.500 LB/AC	EPP	82	85	48	92	100	35	88	95
10B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP								
10C	METRIBUZIN 1	75.00 DF	.500 LB/AC	EPP								
10D	METRIBUZIN 1	75.00 DF	.250 LB/AC	PRE								
11A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	92	42	95	20	40	95	40	62
11B	EL 107	75.00 WP	.176 LB/AC	FAL								
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	88	100	100	70	95	95	90
12B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6032 NO-TILL FULL SEASON EARLY PREPLANT SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --					8 WEEKS AFTER AP		
					GRAS	BRLE	BLNS	PRSI	MRTL	BLNS	PRSI	MRTL
13A	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	72	68	22	0	95	18	25	85
13B	2,4 D AMINE	4.00 E	1.000 LB/AC	FAL								
14A	ORYZALIN	4.00 AS	1.500 LB/AC	SPR	58	68	70	40	70	40	32	48
14B	2,4 D AMINE	4.00 E	1.000 LB/AC	SPR								
15	ORYZALIN	4.00 AS	1.500 LB/AC	FAL	82	40	88	45	25	88	70	12
16	ORYZALIN	4.00 AS	1.500 LB/AC	SPR	80	8	75	68	12	100	98	0
17A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	88	90	75	88	90	50	88
17B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
LSD(05):					NS	29	30	46	46	51	31	22

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K  
 DATE PLANTED: MAY 19  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.5%  
 DATE TREATED: FAL NOV 18, 1985  
 EPP MARCH 27  
 PRE MAY 19  
 EP JUNE 11



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --	GRAS	BRLE	CRIN	LACG	MRTL	--8 WEEKS AFTER APPLI	PRLE	CRIN	MRTL	PRLE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	83	0	100	87	83	3	93	93		
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
1C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	53	7	97	77	100	3	73	100		
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
2C	PARAQUAT	2.00 E	.500 LB/AC	PRE											
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
3A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	87	0	100	93	93	3	87	93		
3B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
3C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
4A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	63	3	100	83	60	7	80	67		
4B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
4C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
5A	PARAQUAT	2.00 E	.250 LB/AC	PRE	100	20	7	100	20	80	0	37	97		
5B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
5C	LINURON	4.00 L	1.000 LB/AC	PRE											
5D	Y 6202	.80 L	.100 LB/AC	MP											
5E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
6A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	100	60	0	100	63	73	0	83	100		
6B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
6C	METRIBUZIN	75.00 DF	.380 LB/AC	PRE											
6D	2,4-DB	2.00 E	.750 LB/AC	PRE											
7A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	100	67	0	100	67	100	0	67	100		
7B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
7C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
8A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	100	67	3	100	60	100	0	73	100		
8B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
8C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
8D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
9A	PARAQUAT 2	2.00 S	.500 LB/AC	-7D	100	83	3	100	93	100	7	87	97		
9B	X-77 (SURFACTANT)	.50 WA	.250 %	-7D											
9C	2,4-D ESTER	4.00 E	.250 LB/AC	-7D											
9D	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
9E	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
10A	PARAQUAT 2	2.00 S	.500 LB/AC	-7D	90	40	3	90	40	100	7	47	100		
10B	X-77 (SURFACTANT)	.50 WA	.250 %	-7D											
10C	LINURON	4.00 L	.500 LB/AC	-7D											
10D	2,4-D ESTER	4.00 E	.250 LB/AC	-7D											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLIED --		--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
11A	PARAQUAT 2	2.00 S	.500 LB/AC	PRE	100	27	10	100	40	53	7	40	60
11B	BROMOXYNIL 1	2.00 E	.500 LB/AC	PRE									
11C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
12A	HOE 39866	1.67 AS	.750 LB/AC	PRE	100	67	0	100	70	83	0	77	80
12B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
12C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE									
13A	HOE 39866	1.67 AS	.750 LB/AC	PRE	100	70	0	100	70	93	3	83	97
13B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE									
13C	LINURON	4.00 L	1.000 LB/AC	PRE									
14A	HOE 39866	1.67 AS	.750 LB/AC	PRE	100	80	0	100	90	97	3	93	100
14B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
14C	FENOXAPROP	1.00 EC	.100 LB/AC	MP									
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
15A	HOE 39866	1.67 AS	.750 LB/AC	PRE	67	67	0	67	77	100	7	87	93
15B	LINURON	4.00 L	1.000 LB/AC	PRE									
15C	FENOXAPROP	1.00 EC	.100 LB/AC	MP									
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
16A	HOE 39866	1.67 AS	.750 LB/AC	PRE	100	40	0	100	53	67	0	67	73
16B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE									
16C	BENTAZON	4.00 E	1.000 LB/AC	MP									
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
17A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	93	0	100	97	97	3	87	87
17B	LINURON	4.00 L	1.000 LB/AC	PRE									
17C	Y 6202	.80 L	.100 LB/AC	MP									
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
18A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	100	40	0	100	40	60	0	33	60
18B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
18C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
18D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
19A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	100	50	0	100	60	73	0	47	87
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
19C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
19D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
20A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	100	47	3	100	40	93	3	53	100
20B	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE									
20C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
20D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --					--8 WEEKS AFTER APPLI			
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
21A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	100	83	3	100	83	100	3	93	90
21B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE									
21C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
21D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
22A	ORYZALIN	85.00 DF	1.000 LB/AC	PRE	100	97	0	100	100	100	0	97	100
22B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
22C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
22D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
23A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	60	3	100	80	70	0	80	90
23B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
23C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
23D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
24A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	100	80	0	100	87	83	3	50	93
24B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
24C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
24D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
25A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	80	3	100	90	83	7	90	93
25B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
25C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
25D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
26A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	100	77	10	100	93	80	7	77	77
26B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
26C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
26D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
27A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	97	3	100	100	93	0	100	100
27B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE									
27C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
27D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
28A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	77	3	100	77	100	0	80	100
28B	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE									
28C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
28D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
29A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	100	63	10	100	97	70	3	80	87
29B	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE									
29C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
29D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLIED --		--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
30A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	20	10	100	27	33	7	33	53
30B	PARAQUAT	2.00 E	.500 LB/AC	PRE									
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30D	RE 45601	2.00 EC	.125 LB/AC	4LF									
30E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF									
31A	AC 499	1.92 AS	.093 LB/AC	PRE	100	87	3	100	97	90	0	97	100
31B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
32A	AC 499	1.92 AS	.125 LB/AC	PRE	100	87	3	100	90	100	3	90	100
32B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
33A	AC 499	1.92 AS	.063 LB/AC	PRE	100	83	0	100	97	87	3	87	93
33B	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE									
33C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
34A	AC 499	1.92 AS	.093 LB/AC	PRE	100	93	0	100	97	100	3	90	100
34B	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE									
34C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
35A	AC 499	1.92 AS	.125 LB/AC	PRE	100	87	0	100	97	87	7	87	97
35B	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE									
35C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
36A	AC 499	1.92 AS	.063 LB/AC	PRE	100	83	3	100	97	90	3	97	100
36B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
36C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
37A	AC 499	1.92 AS	.093 LB/AC	PRE	100	97	3	100	97	97	7	70	93
37B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
37C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
38A	AC 499	1.92 AS	.125 LB/AC	PRE	100	90	7	100	90	93	0	90	100
38B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
38C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
39A	AC 499	1.92 AS	.063 LB/AC	PRE	100	97	0	100	100	100	0	83	100
39B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
39C	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
39D	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
40A	AC 499	1.92 AS	.093 LB/AC	PRE	100	87	3	100	90	93	10	87	97
40B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
40C	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
40D	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --	GRAS	BRLE	CRIN	LACG	MRTL	--8 WEEKS AFTER APPLI	PRLE	CRIN	MRTL	PRLE
41A	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE	100	67	7	100	73	77	3	80	90		
41B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE											
41C	Y 6202	.80 L	.100	LB/AC MP											
41D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
42A	CHLORIMURON + METRIB	75.00 DF	.625	LB/AC PRE	100	87	0	100	90	87	10	87	83		
42B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE											
42C	Y 6202	.80 L	.100	LB/AC MP											
42D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
43A	CHLORIMURON + METRIB	75.00 DF	.500	LB/AC PRE	100	90	0	100	93	100	0	90	97		
43B	PARAQUAT	2.00 E	.250	LB/AC PRE											
43C	X-77 (SURFACTANT)	.50 WA	.250	% PRE											
43D	Y 6202	.80 L	.100	LB/AC MP											
43E	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
44A	CHLORIMURON + METRIB	75.00 DF	.500	LB/AC PRE	100	80	0	100	83	93	7	80	87		
44B	PARAQUAT	2.00 E	.500	LB/AC PRE											
44C	X-77 (SURFACTANT)	.50 WA	.250	% PRE											
44D	RE 45601	2.00 EC	.125	LB/AC 4LF											
44E	OIL CONCENTRATE	.00 AD	1.000	QT/AC 4LF											
45A	CHLORIMURON + METRIB	75.00 DF	.500	LB/AC PRE	100	97	0	100	97	100	7	87	90		
45B	GLYPHOSATE	4.00 E	1.000	LB/AC PRE											
45C	Y 6202	.80 L	.100	LB/AC MP											
45D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
46A	DPX 8259	60.00 DF	1.000	LB/AC PRE	93	93	0	93	97	100	3	93	100		
46B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE											
46C	Y 6202	.80 L	.100	LB/AC MP											
46D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
47A	DPX 8259	60.00 DF	1.250	LB/AC PRE	100	93	3	100	93	100	3	87	93		
47B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE											
47C	Y 6202	.80 L	.100	LB/AC MP											
47D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
48A	DPX 8259	60.00 DF	1.000	LB/AC PRE	100	90	3	100	93	93	3	93	93		
48B	PARAQUAT	2.00 E	.250	LB/AC PRE											
48C	X-77 (SURFACTANT)	.50 WA	.250	% PRE											
48D	Y 6202	.80 L	.100	LB/AC MP											
48E	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											
49A	DPX 8259	60.00 DF	1.000	LB/AC PRE	100	93	3	100	97	97	13	100	97		
49B	GLYPHOSATE	4.00 E	1.000	LB/AC PRE											
49C	Y 6202	.80 L	.100	LB/AC MP											
49D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLIED --				--8 WEEKS AFTER APPLI				
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
50A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	77	0	100	80	100	0	60	100
50B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
51A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	97	97	0	97	100	100	0	97	100
51B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
51C	ACIFLUORFEN	2.00 L	.380 LB/AC	EP									
51D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP									
52A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	93	0	100	100	90	3	93	93
52B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE									
52C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
53A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	83	0	100	83	100	7	77	100
53B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PRE									
53C	HOE 39866	1.67 AS	.750 LB/AC	PRE									
54A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	80	3	100	77	93	3	83	93
54B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
54C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
55A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	100	0	100	100	100	7	90	100
55B	DPX 8259	60.00 DF	.500 LB/AC	PRE									
55C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
56A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	97	33	10	97	40	60	3	27	53
56B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
56C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
56D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
57A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	100	40	3	100	40	93	0	67	97
57B	LINURON	4.00 L	1.000 LB/AC	PRE									
57C	PARAQUAT	2.00 E	.250 LB/AC	PRE									
57D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
58A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	93	87	0	93	90	97	0	90	100
58B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
58C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
59A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	100	77	3	100	93	90	3	90	83
59B	LINURON	4.00 L	.500 LB/AC	PRE									
59C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
60A	CINMETHYLIN	7.00 EC	1.250 LB/AC	PRE	100	90	0	100	83	100	0	90	100
60B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
60C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --				--8 WEEKS AFTER APPLI				
					GRAS	BRLE	CRIN	LACG	MRTL	PRLE	CRIN	MRTL	PRLE
61A	CGA 24704	2.50 EC	1.000 LB/AC	PRE	100	80	0	100	90	80	0	90	87
61B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
61C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
62A	CGA 24704	2.50 EC	1.250 LB/AC	PRE	100	80	0	100	87	100	0	90	97
62B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
62C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
63A	CGA 24704	2.50 EC	1.400 LB/AC	PRE	100	87	0	100	90	100	3	87	100
63B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
63C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
64A	CGA 24704	2.50 EC	1.800 LB/AC	PRE	100	87	0	100	90	93	0	87	100
64B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
64C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
65A	RE 45601	2.00 EC	.125 LB/AC	PRE	100	33	0	100	33	60	0	33	73
65B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
65C	PARAQUAT	2.00 E	.500 LB/AC	PRE									
65D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
66A	RE 45601	2.00 EC	.250 LB/AC	PRE	100	33	3	100	40	73	0	33	73
66B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
66C	PARAQUAT	2.00 E	.500 LB/AC	PRE									
66D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
67A	RE 45601	2.00 EC	.125 LB/AC	PRE	100	67	0	100	73	73	7	70	83
67B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
67C	PARAQUAT	2.00 E	.500 LB/AC	PRE									
67D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
68A	RE 45601	2.00 EC	.250 LB/AC	PRE	100	53	0	100	60	97	3	67	93
68B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
68C	PARAQUAT	2.00 E	.500 LB/AC	PRE									
68D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
69A	RE 45601	2.00 EC	.250 LB/AC	-7D	100	63	17	100	67	90	13	60	93
69B	2,4-D ESTER	4.00 E	.500 LB/AC	-7D									
69C	IMAZAQUIN	1.50 AS	.125 LB/AC	-7D									
70	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0
			LSD(05):		9	22	8	9	24	25	NS	30	24

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6015 NO-TILL FULL SEASON SOYBEANS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%  
DATE PLANTED: MAY 16 DATE TREATED: -7D MAY 13  
VARIETY: WILLIAMS 82 PRE MAY 16  
EP JUNE 6  
4LF JUNE 9  
MP JUNE 19



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6036 NO-TILL FULL SEASON SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----				-----JULY 24-----					
					GRAS	BRLE	CRIN	LACG	GIFT	VELE	CRIN	LACG	GIFT	VELE
1A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	60	90	0	60	90	90	0	50	92	85
1B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
2A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	88	98	0	88	92	98	0	78	92	95
2B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
2C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
3A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	98	0	92	95	98	0	75	95	98
3B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
3C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE										
4A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	98	0	92	90	98	0	85	88	95
4B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
4C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE										
4D	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
5A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	85	98	0	98	85	98	0	92	75	98
5B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
5C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
5D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
6	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	75	95	0	80	88	95	0	72	75	95
7	ALACHLOR + GLYPHOSAT	4.00 E	5.000 LB/AC	PRE	90	100	0	92	92	100	0	80	92	100
8A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	82	100	0	88	85	100	0	78	82	98
8B	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE										
9A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	78	100	0	90	78	100	0	88	72	98
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
10A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	62	98	0	70	80	98	0	72	85	98
10B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE										
11A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	78	100	0	88	80	100	0	80	78	100
11B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	100	0	90	85	100	0	82	78	100
12B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
12C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
13A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	88	100	0	88	98	100	0	80	95	100
13B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
13C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6036 NO-TILL FULL SEASON SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----				-----JULY 24-----					
					GRAS	BRLE	CRIN	LACG	GIFT	VELE	CRIN	LACG	GIFT	VELE
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	100	0	92	98	100	0	85	92	100
14B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
14C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
15A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	90	100	0	90	95	100	0	85	88	100
15B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
15C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
16A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	82	95	0	82	85	95	0	80	80	92
16B	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE										
16C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
17A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	95	100	0	98	95	100	0	90	90	100
17B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
17C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
18A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	88	98	0	98	85	98	0	92	80	98
18B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE										
18C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	100	0	98	98	100	0	88	98	98
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
19C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
20A	ALACHLOR	4.00 E	2.000 LB/AC	PRE	82	100	0	82	90	100	0	72	90	98
20B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
20C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
21A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	98	100	0	98	100	100	0	92	88	100
21B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
21C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
22A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	100	0	95	95	100	0	90	92	100
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
22C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
23	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE	42	92	0	58	62	92	0	55	62	88
			LSD(05):		20	7	0	17	17	7	0	18	NS	9

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 3.0%  
 DATE PLANTED: MAY 15 DATE TREATED: PRE MAY 17  
 VARIETY: WILLIAMS 82  
 ALL TREATMENTS APPLIED AT 10 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6037 NO-TILL FULL SEASON SOYBEANS III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							--8 WEEKS AFTER APPLI			
					GRAS	BRLE	CRIN	GIFT	RRPW	PESW	HHCL	CRIN	GIFT	PESW	RRPW
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	75	40	0	75	65	55	35	0	72	58	62
2	ALACHLOR	4.00 E	2.500 LB/AC	PRE	72	50	0	72	50	72	40	0	65	42	45
3	ALACHLOR II	15.00 G	2.500 LB/AC	PRE	68	50	0	68	68	55	40	0	68	58	60
4	TD 2211	4.00 FM	2.500 LB/AC	PRE	72	40	0	72	65	72	40	0	68	75	60
5	TD 2212	15.00 G	2.500 LB/AC	PRE	65	58	0	65	55	60	55	0	62	62	58
6	TD 2213	16.00 G	2.500 LB/AC	PRE	62	52	0	72	68	60	50	0	70	60	62
7	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0	0	0
LSD(05):					22	20	NS	20	27	31	20	NS	21	37	34

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
 DATE PLANTED: MAY 20 PH: 6.5 O.M.: 3.5%  
 VARIETY: WILLIAMS 82 DATE TREATED: PRE MAY 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6035 NO-TILL FULL SEASON SOYBEANS IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----						-----JULY 24-----			
					GRAS	BRLE	CRIN	ILMG	PRLE	MRTL	CRIN	ILMG	PRLE	MRTL
1A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	80	0	75	98	92	2	45	95	82
1B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
2A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	90	0	100	100	88	5	65	100	65
2B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
2C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
3A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	70	5	82	78	82	15	50	80	62
3B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
3C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE										
4A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	82	0	100	90	85	8	85	90	78
4B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
4C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE										
4D	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
5A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	92	0	98	92	95	15	82	85	85
5B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
5C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
5D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
6	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	100	78	0	75	98	95	2	55	100	82
7	ALACHLOR + GLYPHOSAT	4.00 E	5.000 LB/AC	PRE	100	88	0	80	98	100	2	60	100	92
8A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	100	98	0	100	98	98	5	52	100	92
8B	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE										
9A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	100	98	0	98	100	95	10	68	100	85
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
10A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	100	98	0	100	98	98	8	88	100	85
10B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE										
11A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	100	80	0	92	85	95	8	68	85	72
11B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	95	0	95	100	98	5	68	100	95
12B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
12C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
13A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	100	95	0	95	100	100	5	70	100	98
13B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
13C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6035 NO-TILL FULL SEASON SOYBEANS IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----						-----JULY 24-----			
					GRAS	BRLE	CRIN	ILMG	PRLE	MRTL	CRIN	ILMG	PRLE	MRTL
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	92	0	92	100	100	0	82	100	95
14B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
14C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
15A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	100	95	0	90	98	98	12	40	100	95
15B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
15C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
16A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	100	0	100	100	100	2	48	100	100
16B	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE										
16C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
17A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	98	0	98	100	98	2	65	100	98
17B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
17C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
18A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	100	0	100	100	100	8	78	100	100
18B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE										
18C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100	0	100	100	100	0	75	100	100
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
19C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
20A	ALACHLOR	4.00 E	2.000 LB/AC	PRE	100	100	0	100	100	100	0	72	100	100
20B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
20C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
21A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	98	0	95	100	100	0	58	100	98
21B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
21C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
22A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	100	0	100	100	100	2	75	100	98
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
22C	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE										
23	GLYPHOSATE	4.00 E	4.000 LB/AC	PRE	100	78	0	68	100	100	0	55	100	100
LSD(05):					0	14	NS	14	10	8	NS	28	11	21

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 19  
 VARIETY: WILLIAMS 82  
 ALL TREATMENTS APPLIED AT 10 GPA

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.0%  
 DATE TREATED: PRE MAY 19

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	77	100	100	87	100	53
1B	LINURON	4.00 L	1.000 LB/AC	PRE							
1C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	37	97	93	10	97	87
2B	METRIBUZIN	75.00 DF	.250 LB/AC	PRE							
2C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
2E	LACTOFEN	2.00 E	.250 LB/AC	PRE							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	70	100	100	70	93	87
3B	METRIBUZIN	75.00 DF	.250 LB/AC	PRE							
3C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
3E	LACTOFEN	2.00 E	.250 LB/AC	EP							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	63	97	93	70	60	43
4B	METRIBUZIN	75.00 DF	.250 LB/AC	PRE							
4C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	73	0	97	83	10	27	60
5B	OXYFLUORFEN	1.60 EC	.120 LB/AC	PRE							
5C	TRITON AG 98 SURFACT	.00 WA	.125 %	PRE							
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	40	7	67	27	60	30	33
6B	OXYFLUORFEN	1.60 EC	.250 LB/AC	PRE							
6C	TRITON AG 98 SURFACT	.00 WA	.125 %	PRE							
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	0	100	93	0	0	63
7B	OXYFLUORFEN	1.60 EC	.120 LB/AC	PRE							
7C	PARAQUAT	2.00 E	.120 LB/AC	PRE							
7D	TRITON AG 98 SURFACT	.00 WA	.125 %	PRE							
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	7	100	100	0	43	30
8B	OXYFLUORFEN	1.60 EC	.120 LB/AC	PRE							
8C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
8D	TRITON AG 98 SURFACT	.00 WA	.125 %	PRE							
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	0	100	100	0	33	100
9B	OXYFLUORFEN	1.60 EC	.250 LB/AC	PRE							
9C	PARAQUAT	2.00 E	.120 LB/AC	PRE							
9D	TRITON AG 98 SURFACT	.00 WA	.125 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	13	97	90	7	10	47
10B	OXYFLUORFEN	1.60 EC	.250 LB/AC	PRE							
10C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
10D	TRITON AG 98 SURFACT	.00 WA	.125 %	PRE							
11A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	90	90	100	90	90	97	97
11B	HOE 39866	1.67 AS	.890 LB/AC	PRE							
12A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	93	70	93	97	93	97	97
12B	HOE 39866	1.67 AS	1.100 LB/AC	PRE							
13A	METOLACHLOR	8.00 E	2.800 LB/AC	PRE	100	87	100	100	87	100	100
13B	HOE 39866	1.67 AS	1.250 LB/AC	PRE							
14A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	47	23	93	57	63	0	87
14B	FLUAZIFOP-BUYTL	1.00 E	.150 LB/AC	MP							
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
15A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	63	40	97	60	63	33	100
15B	METOLACHLOR	8.00 E	1.000 LB/AC	MP							
15C	FLUAZIFOP-BUYTL	1.00 E	.100 LB/AC	MP							
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
16A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	83	33	97	63	47	40	67
16B	METOLACHLOR	8.00 E	1.250 LB/AC	MP							
16C	FLUAZIFOP-BUYTL	1.00 E	.120 LB/AC	MP							
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
17A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	73	33	90	70	10	77	100
17B	METOLACHLOR	8.00 E	1.250 LB/AC	MP							
17C	FLUAZIFOP-BUYTL	1.00 E	.150 LB/AC	MP							
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
18A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	93	40	97	80	40	43	100
18B	METOLACHLOR	8.00 E	1.500 LB/AC	MP							
18C	FLUAZIFOP-BUYTL	1.00 E	.150 LB/AC	MP							
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
19A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	60	33	97	53	37	50	93
19B	METOLACHLOR	8.00 E	1.800 LB/AC	MP							
19C	FLUAZIFOP-BUYTL	1.00 E	.150 LB/AC	MP							
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
20A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	77	100	100	80	83	93
20B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
20C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
20D	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP							
20E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
21A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	63	100	100	90	87	90
21B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
21C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
21D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP							
21E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
22A	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE	87	80	87	93	93	80	93
22B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
22C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
23A	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE	90	87	97	93	93	100	80
23B	LINURON	4.00 L	1.000 LB/AC	PRE							
23C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
24A	PENDIMETHALIN	4.00 E	1.250 LB/AC	PRE	97	87	100	100	90	97	93
24B	LINURON	4.00 L	.750 LB/AC	PRE							
24C	METRIBUZIN	75.00 DF	.380 LB/AC	PRE							
24D	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
25A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	97	80	97	100	83	97	83
25B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP							
25C	ACIFLUORFEN	2.00 L	.500 LB/AC	EP							
25D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP							
26A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	60	100	100	43	83	77
26B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	EP							
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
26D	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D							
26E	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D							
27A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	97	90	93	97	93	97	97
27B	LINURON	4.00 L	1.000 LB/AC	PRE							
27C	Y 6202	.80 L	.100 LB/AC	MP							
27D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
28A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	100	87	100	100	93	100	93
28B	LINURON	4.00 L	1.000 LB/AC	PRE							
29A	PARAQUAT	2.00 E	.250 LB/AC	PRE	97	77	97	100	90	93	67
29B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
29C	LINURON	4.00 L	1.000 LB/AC	PRE							
29D	Y 6202	.80 L	.100 LB/AC	MP							
29E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
30A	PARAQUAT	2.00 E	.250 LB/AC	PRE	97	23	97	93	7	87	70
30B	FMC 57020	6.00 EC	.750 LB/AC	PRE							
30C	LACTOFEN	2.00 E	.250 LB/AC	PRE							
30D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
31A	PARAQUAT	2.00 E	.250	LB/AC PRE	90	23	100	90	7	97	67
31B	FMC 57020	6.00 EC	.750	LB/AC PRE							
31C	X-77 (SURFACTANT)	.50 WA	.250	% PRE							
31D	LACTOFEN	2.00 E	.200	LB/AC EP							
32A	HOE 39866	1.67 AS	.750	LB/AC PRE	100	90	100	100	97	100	100
32B	METRIBUZIN	75.00 DF	.500	LB/AC PRE							
32C	METOLACHLOR	8.00 E	2.500	LB/AC PRE							
33A	HOE 39866	1.67 AS	.750	LB/AC PRE	87	90	90	93	97	100	100
33B	METRIBUZIN	75.00 DF	.500	LB/AC PRE							
33C	FENOXAPROP	1.00 EC	.100	LB/AC MP							
33D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
34A	HOE 39866	1.67 AS	.750	LB/AC PRE	97	87	97	97	100	100	97
34B	LINURON	4.00 L	1.000	LB/AC PRE							
34C	METOLACHLOR	8.00 E	2.500	LB/AC PRE							
35A	HOE 39866	1.67 AS	.750	LB/AC PRE	93	77	100	93	97	100	97
35B	LINURON	4.00 L	1.000	LB/AC PRE							
35C	FENOXAPROP	1.00 EC	.100	LB/AC MP							
35D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
36A	HOE 39866	1.67 AS	.750	LB/AC PRE	100	83	97	100	87	100	100
36B	METOLACHLOR	8.00 E	2.500	LB/AC PRE							
36C	BENTAZON	4.00 E	1.000	LB/AC MP							
36D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
37A	ORYZALIN	85.00 DF	1.000	LB/AC PRE	90	70	77	77	97	93	97
37B	METRIBUZIN	75.00 DF	.500	LB/AC PRE							
37C	PARAQUAT	2.00 E	.250	LB/AC PRE							
37D	X-77 (SURFACTANT)	.50 WA	.250	% PRE							
38A	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE	60	27	53	57	67	27	90
38B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE							
38C	Y 6202	.80 L	.100	LB/AC MP							
38D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
39A	CHLORIMURON + METRIB	75.00 DF	.500	LB/AC PRE	100	53	90	100	50	50	100
39B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE							
39C	Y 6202	.80 L	.100	LB/AC MP							
39D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
40A	CHLORIMURON + METRIB	75.00 DF	.625	LB/AC PRE	83	50	97	83	53	67	60
40B	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE							
40C	Y 6202	.80 L	.100	LB/AC MP							
40D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
41A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE	93	53	97	97	73	93	87
41B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
41C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
41D	Y 6202	.80 L	.100 LB/AC	MP							
41E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
42A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	83	100	100	83	100	100
42B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
42C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
42D	Y 6202	.80 L	.100 LB/AC	MP							
42E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
43A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE	100	70	97	100	90	87	87
43B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
43C	Y 6202	.80 L	.100 LB/AC	MP							
43D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
44A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	77	100	100	63	90	100
44B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
44C	Y 6202	.80 L	.100 LB/AC	MP							
44D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
45A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	57	100	100	43	87	100
45B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
45C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
45D	RE 45601	2.00 EC	.125 LB/AC	4LF							
46A	DPX 8259	60.00 DF	.750 LB/AC	PRE	57	60	60	53	77	37	67
46B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
46C	Y 6202	.80 L	.100 LB/AC	MP							
46D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
47A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	57	70	77	53	80	60	57
47B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
47C	Y 6202	.80 L	.100 LB/AC	MP							
47D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
48A	DPX 8259	60.00 DF	1.250 LB/AC	PRE	90	70	93	97	83	97	100
48B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
48C	Y 6202	.80 L	.100 LB/AC	MP							
48D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
49A	DPX 8259	60.00 DF	.750 LB/AC	PRE	93	60	90	97	73	90	40
49B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
49C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
49D	Y 6202	.80 L	.100 LB/AC	MP							
49E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
50A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	100	80	100	100	87	100	83
50B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
50C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
50D	Y 6202	.80 L	.100 LB/AC	MP							
50E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
51A	DPX 8259	60.00 DF	.750 LB/AC	PRE	97	80	100	97	80	100	80
51B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
51C	Y 6202	.80 L	.100 LB/AC	MP							
51D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
52A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	100	90	100	100	93	97	93
52B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
52C	Y 6202	.80 L	.100 LB/AC	MP							
52D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
53A	FMC 57020	6.00 EC	.750 LB/AC	PRE	93	7	97	90	0	43	0
53B	LACTOFEN	2.00 E	.300 LB/AC	PRE							
54A	FMC 57020	6.00 EC	.750 LB/AC	PRE	100	7	100	100	0	37	53
54B	LACTOFEN	2.00 E	.200 LB/AC	EP							
55A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	37	100	100	10	93	90
55B	PARAQUAT	2.00 E	.250 LB/AC	PRE							
55C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
55D	RE 45601	2.00 EC	.125 LB/AC	4LF							
56A	AC 499	1.92 AS	.063 LB/AC	PRE	100	80	100	100	80	97	90
56B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
57A	AC 499	1.92 AS	.093 LB/AC	PRE	100	87	100	100	87	93	100
57B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
58A	AC 499	1.92 AS	.125 LB/AC	PRE	100	87	100	100	83	100	100
58B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
59A	AC 499	1.92 AS	.063 LB/AC	PRE	100	90	100	100	93	97	67
59B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE							
59C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
60A	AC 499	1.92 AS	.063 LB/AC	PRE	100	80	100	100	77	90	100
60B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
60C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
61A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	97	80	97	100	90	97	33
61B	FMC 57020	6.00 EC	.750 LB/AC	PRE							
61C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----						
					GRAS	BRLE	LACG	GIFT	COLQ	CORW	PESW
62A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	97	77	100	97	80	100	93
62B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
62C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
63A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PRE	100	93	100	100	97	97	93
63B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE							
63C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
64A	RE 45601	2.00 EC	.125 LB/AC	PRE	93	23	90	97	17	47	93
64B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
64C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
64D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
65A	RE 45601	2.00 EC	.250 LB/AC	PRE	100	43	97	100	47	83	97
65B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
65C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
65D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
66A	RE 45601	2.00 EC	.125 LB/AC	PRE	77	80	70	77	80	90	67
66B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
66C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
66D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
67A	RE 45601	2.00 EC	.250 LB/AC	PRE	93	63	97	87	50	77	97
67B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
67C	PARAQUAT	2.00 E	.250 LB/AC	PRE							
67D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
68A	RE 45601	2.00 EC	.250 LB/AC	PRE	90	73	100	90	93	83	80
68B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE							
68C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							

LSD(05): 28 22 24 NS 29 31 36

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: JULY 22  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.5 O.M.: 3.0%  
 DATE TREATED: PRE JULY 22  
 EP AUGUST 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6105 CORN JOHNSONGRASS CONTROL PREMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
1	ATRAZINE	4.00 L	1.500 LB/AC	PRE	0	17	0	3
2	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	50	0	10
3A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	53	0	10
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE				
4A	TRIDIPHANE	4.00 E	.750 LB/AC	PRE	0	33	0	7
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE				
5A	TRIDIPHANE	4.00 E	.750 LB/AC	PRE	0	47	0	10
5B	CYANAZINE	4.00 L	2.000 LB/AC	PRE				
6	SC 0051	3.00 E	1.000 LB/AC	PRE	0	17	0	7
7	SC 0051	3.00 E	1.500 LB/AC	PRE	0	23	0	7
8A	SC 0051	3.00 E	1.000 LB/AC	PRE	0	37	0	7
8B	ATRAZINE	4.00 L	1.500 LB/AC	PRE				
9A	SC 0051	3.00 E	1.000 LB/AC	PRE	0	23	0	7
9B	METOLACHLOR	8.00 E	1.500 LB/AC	PRE				
10	SC 0456	2.10 LC	.750 LB/AC	PRE	0	57	0	20
11	SC 0456	2.10 LC	1.000 LB/AC	PRE	0	80	0	23
12A	SC 0456	2.10 LC	.750 LB/AC	PRE	0	63	0	17
12B	ATRAZINE	4.00 L	1.500 LB/AC	PRE				
13	SC 0735	75.00 WP	.750 LB/AC	PRE	0	53	0	7
14	SC 0735	75.00 WP	1.000 LB/AC	PRE	0	40	0	3
15A	SC 0735	75.00 WP	.750 LB/AC	PRE	0	40	0	3
15B	ATRAZINE	4.00 L	1.500 LB/AC	PRE				
16	SC 0774	75.00 WP	.500 LB/AC	PRE	0	53	0	20
17	SC 0774	75.00 WP	.750 LB/AC	PRE	0	63	0	23
18A	SC 0774	75.00 WP	.500 LB/AC	PRE	0	70	0	27
18B	ATRAZINE	4.00 L	1.000 LB/AC	PRE				
LSD(05):					0	30	0	NS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6105 CORN JOHNSONGRASS CONTROL PREMERGENCE

LOCATION: PRINCETON  
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: CRIDER SILT LOAM  
DATE PLANTED: MAY 22 PH: 6.5 O.M.: 1.5%  
DATE TREATED: PRE MAY 22  
VARIETY: PIONEER 3369A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C6104 CORN JOHNSONGRASS CONTROL PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
1A	EPTC+R25788+R33865	6.00 EC	6.000 LB/AC	PPI	0	67	0	67
1B	ATRAZINE	4.00 L	1.500 LB/AC	PPI				
2A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	0	70	0	70
2B	ATRAZINE	4.00 L	1.500 LB/AC	PPI				
3A	CYANAZINE + ATRAZINE	4.00 L	2.500 LB/AC	PPI	0	63	0	63
3B	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI				
4A	TRIDIPHANE	4.00 E	.750 LB/AC	PPI	0	20	0	0
4B	ATRAZINE	4.00 L	1.500 LB/AC	PPI				
5A	TRIDIPHANE	4.00 E	.750 LB/AC	PPI	0	13	0	0
5B	CYANAZINE	4.00 L	2.000 LB/AC	PPI				
6A	CYCLOATE	6.00 E	4.000 LB/AC	PPI	0	47	0	23
6B	ATRAZINE	4.00 L	1.500 LB/AC	PPI				
7A	CYCLOATE	6.00 E	5.000 LB/AC	PPI	0	50	0	23
7B	ATRAZINE	4.00 L	1.500 LB/AC	PPI				
8A	CYCLOATE	6.00 E	6.000 LB/AC	PPI	0	63	0	30
8B	ATRAZINE	4.00 L	1.500 LB/AC	PPI				
LSD(05):					0	28	0	26

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.0 O.M.: 1.5%  
 DATE PLANTED: MAY 22 DATE TREATED: PPI MAY 22  
 VARIETY: PIONEER 3369A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6102 SOYBEAN JOHNSONGRAS PRE & PPI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK -		--8 WEEK -	
					CRIN	JOGR	CRIN	JOGR
1	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI	0	70	0	70
2	ETHALFLURALIN	3.00 E	1.200 LB/AC	PPI	0	77	0	57
3	PENDIMETHALIN	4.00 E	2.000 LB/AC	PPI	0	57	0	43
4A	AC 499	1.92 AS	.093 LB/AC	18J	0	100	0	83
4B	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
5A	AC 499	1.92 AS	.125 LB/AC	18J	0	97	0	83
5B	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
6A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	73	0	60
6B	AC 499	1.92 AS	.063 LB/AC	18J				
6C	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
7A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	73	0	57
7B	AC 499	1.92 AS	.093 LB/AC	18J				
7C	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
8A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	60	0	50
8B	AC 499	1.92 AS	.125 LB/AC	18J				
8C	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
9	RE 45601	2.00 EC	.125 LB/AC	PRE	0	37	0	33
10	RE 45601	2.00 EC	.250 LB/AC	PRE	0	40	0	23
11	RE 45601	2.00 EC	.500 LB/AC	PRE	0	70	0	57
12A	RE 45601	2.00 EC	.125 LB/AC	18J	0	97	0	100
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
12C	RE 45601	2.00 EC	.060 LB/AC	8J				
12D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J				
13A	RE 45601	2.00 EC	.125 LB/AC	18J	0	100	0	100
13B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
13C	RE 45601	2.00 EC	.125 LB/AC	8J				
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J				
14A	RE 45601	2.00 EC	.125 LB/AC	PRE	0	77	0	67
14B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE				
			LSD (05):		0	40	0	42



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6102 SOYBEAN JOHNSONGRAS PRE & PPI

LOCATION: PRINCETON  
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K SOIL TYPE: CRIDER SILT LOAM  
DATE PLANTED: JUNE 3 PH: 6.5 O.M.: 1.5%  
VARIETY: ESSEX DATE TREATED: PRE JUNE 3  
PPI JUNE 3  
18J JUNE 30  
8J JULY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6103 SOYBEAN JOHNSONGRASS CONTROL POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
1A	SETHOXYDIM	1.53 EC	.100 LB/AC	LLP	0	60	0	80
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
2A	SETHOXYDIM	1.53 EC	.200 LB/AC	LLP	0	93	0	97
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
3A	SETHOXYDIM	1.53 EC	.300 LB/AC	LLP	0	100	0	93
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
4A	SETHOXYDIM	1.53 EC	.100 LB/AC	LLP	0	83	0	97
4B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LLP				
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
5A	SETHOXYDIM	1.53 EC	.200 LB/AC	LLP	0	77	0	90
5B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LLP				
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
6A	SETHOXYDIM	1.53 EC	.300 LB/AC	LLP	0	100	0	97
6B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	LLP				
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
7A	SETHOXYDIM	1.53 EC	.100 LB/AC	LLP	0	90	0	97
7B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LLP				
8A	SETHOXYDIM	1.53 EC	.200 LB/AC	LLP	0	73	0	87
8B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LLP				
9A	SETHOXYDIM	1.53 EC	.300 LB/AC	LLP	0	87	0	90
9B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LLP				
10A	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	LLP	0	100	0	100
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
11A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	LLP	0	97	0	100
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
12A	FENOXAPROP	1.00 EC	.100 LB/AC	15J	0	57	0	67
12B	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				
13	FENOXAPROP	1.00 EC	.150 LB/AC	15J	0	70	0	87
14A	FENOXAPROP	1.00 EC	.150 LB/AC	15J	0	73	0	90
14B	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				
15A	FENOXAPROP	1.00 EC	.150 LB/AC	15J	0	90	0	90
15B	FENOXAPROP	1.00 EC	.100 LB/AC	10J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6103 SOYBEAN JOHNSONGRASS CONTROL POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
16A	FENOXAPROP	1.00 EC	.100 LB/AC	15J	0	93	0	90
16B	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				
16C	FENOXAPROP	1.00 EC	.100 LB/AC	10J				
16D	OIL CONCENTRATE	.00 AD	.500 QT/AC	10J				
17A	HALOXYFOP	2.00 E	.120 LB/AC	20J	0	73	0	87
17B	BENTAZON	4.00 E	.500 LB/AC	20J				
17C	ACIFLUORFEN	2.00 L	.500 LB/AC	20J				
17D	OIL CONCENTRATE	.00 AD	.500 QT/AC	20J				
18A	HALOXYFOP	2.00 E	.120 LB/AC	20J	0	97	0	97
18B	OIL CONCENTRATE	.00 AD	.500 QT/AC	20J				
18C	BENTAZON	4.00 E	.500 LB/AC	+4D				
18D	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D				
18E	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D				
19A	HALOXYFOP	2.00 E	.120 LB/AC	20J	0	77	0	83
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	20J				
19C	X-77 (SURFACTANT)	.50 WA	.250 %	20J				
20A	HALOXYFOP	2.00 E	.120 LB/AC	20J	0	100	0	97
20B	X-77 (SURFACTANT)	.50 WA	.250 %	20J				
20C	IMAZAQUIN	1.50 AS	.125 LB/AC	+4D				
20D	X-77 (SURFACTANT)	.50 WA	.250 %	+4D				
21A	Y 6202	.80 L	.075 LB/AC	21J	0	90	0	93
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
22A	Y 6202	.80 L	.100 LB/AC	21J	0	97	0	100
22B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
23A	Y 6202	.80 L	.125 LB/AC	21J	0	100	0	100
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
24A	Y 6202	.80 L	.150 LB/AC	21J	0	97	0	100
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
25A	Y 6202	.80 L	.050 LB/AC	21J	0	93	0	100
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
25C	Y 6202	.80 L	.050 LB/AC	10J				
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	10J				
26A	Y 6202	.80 L	.075 LB/AC	21J	0	100	0	100
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
26C	Y 6202	.80 L	.075 LB/AC	10J				
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	10J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6103 SOYBEAN JOHNSONGRASS CONTROL POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
27A	DPX Y6202 31	.80 E	.038 LB/AC	21J	0	100	0	100
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
28A	DPX Y6202 31	.80 E	.050 LB/AC	21J	0	93	0	93
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
29A	DPX Y6202 31	.80 E	.063 LB/AC	21J	0	90	0	97
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
30A	DPX Y6202 31	.80 E	.075 LB/AC	21J	0	97	0	100
30B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
31A	DPX Y6202 31	.80 E	.025 LB/AC	21J	0	93	0	97
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
31C	DPX Y6202 31	.80 E	.025 LB/AC	10J				
31D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	10J				
32A	DPX Y6202 31	.80 E	.038 LB/AC	21J	0	100	0	100
32B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
32C	DPX Y6202 31	.80 E	.038 LB/AC	10J				
32D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	10J				
33A	BAS 517	1.67 E	.100 LB/AC	14J	0	63	0	100
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	14J				
34A	BAS 517	1.67 E	.150 LB/AC	14J	0	100	0	100
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	14J				
35A	BAS 517	1.67 E	.150 LB/AC	30J	0	93	0	83
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	30J				
36A	BAS 517	1.67 E	.200 LB/AC	14J	0	97	0	100
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	14J				
37A	BAS 517	1.67 E	.200 LB/AC	30J	0	93	0	90
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	30J				
38A	BAS 517	1.67 E	.300 LB/AC	30J	0	97	0	97
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	30J				
LSD(05):					0	22	0	12

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6103 SOYBEAN JOHNSONGRASS CONTROL POSTEMERGENCE

LOCATION: PRINCETON  
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
DATE PLANTED: JUNE 3  
VARIETY: ESSEX  
SOIL TYPE: CRIDER SILT LOAM  
PH: 6.5 O.M.: 1.5%  
DATE TREATED: 14J JUNE 25  
15J JUNE 26  
20J JULY 2  
21J JULY 3  
.LLP JULY 7  
+4D JULY 7  
10J JULY 31  
30J JULY 31

TREATMENTS 1-9 APPLIED IN 10 GPA  
8J = 6-10 " JOHNSONGRASS  
10J = 10 " JOHNSONGRASS  
14J = 14" JOHNSONGRASS  
15J = 15" JOHNSONGRASS  
18J = 18" JOHNSONGRASS  
20J = 16-24" JOHNSONGRASS  
21J = 18-24" JOHNSONGRASS  
30J = 30" JOHNSONGRASS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	COCB	CRIN	COCB
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	0	93
1B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
1C	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	0	87
2B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
2C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP				
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	0	93
3B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
3C	2,4-DB	2.00 E	.030 LB/AC	MP				
3D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	13	97
4B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
4C	2,4-DB	2.00 E	.030 LB/AC	MP				
4D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP				
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	0	93
5B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP				
5C	CHLORIMURON	25.00 DF	.004 LB/AC	MP				
5D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	0	97
6B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
6C	CHLORIMURON	25.00 DF	.004 LB/AC	MP				
6D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	0	100
7B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP				
7C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP				
7D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	0	93
8B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP				
8C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP				
8D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	0	100
9B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP				
9C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP				
9D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	0	97
10B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
10C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP				
10D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	COCB	CRIN	COCB
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	90	17	33
11B	DPX M6316	75.00 DF	.030 LB/AC	EP				
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	83	10	63
12B	DPX M6316	75.00 DF	.008 LB/AC	EP				
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	3	63
13B	DPX M6316	75.00 DF	.008 LB/AC	EP				
13C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	3	80
14B	DPX M6316	75.00 DF	.015 LB/AC	EP				
14C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	13	90	27	80
15B	DPX M6316	75.00 DF	.030 LB/AC	EP				
15C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	3	87
16B	DPX M6316	75.00 DF	.008 LB/AC	EP				
16C	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	90	3	77
17B	DPX M6316	75.00 DF	.015 LB/AC	EP				
17C	CHLORIMURON	25.00 DF	.005 LB/AC	EP				
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	87	13	83
18B	DPX M6316	75.00 DF	.015 LB/AC	EP				
18C	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	17	93
19B	DPX M6316	75.00 DF	.008 LB/AC	EP				
19C	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
19D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	100	7	93
20B	DPX M6316	75.00 DF	.015 LB/AC	EP				
20C	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
20D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	7	87
21B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
21C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	COCB	CRIN	COCB
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	3	93
22B	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
22C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	3	90
23B	LACTOFEN	2.00 E	.150 LB/AC	EP				
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	93	10	87
24B	LACTOFEN	2.00 E	.200 LB/AC	EP				
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	90	13	93
25B	LACTOFEN	2.00 E	.150 LB/AC	EP				
25C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
26A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	93	0	93
26B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI				
27A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	100	3	100
27B	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI				
27C	METRIBUZIN 1	4.00 F	.285 LB/AC	PPI				
28A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	100	0	97
28B	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI				
28C	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI				
29A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	97	0	100
29B	IMAZAQUIN	1.50 AS	.093 LB/AC	PPI				
29C	METRIBUZIN 1	4.00 F	.285 LB/AC	PPI				
30A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	100	0	100
30B	IMAZAQUIN	1.50 AS	.093 LB/AC	PPI				
30C	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI				
31A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	100	7	100
31B	IMAZAQUIN	1.50 AS	.093 LB/AC	PPI				
31C	IMAZAQUIN	1.50 AS	.093 LB/AC	EP				
31D	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
32A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	100	20	97
32B	IMAZAQUIN	1.50 AS	.125 LB/AC	LP				
32C	X-77 (SURFACTANT)	.50 WA	.250 %	LP				
33A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	100	3	100
33B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK -		--8 WEEK -	
					CRIN	COCB	CRIN	COCB
34A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	97	3	97
34B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI				
35A	ETHALFLURALIN	3.00 E	1.200 LB/AC	PPI	0	100	7	100
35B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				
36A	ETHALFLURALIN	3.00 E	1.200 LB/AC	PPI	0	100	3	100
36B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI				
37A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	100	3	100
37B	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PPI				
38A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	100	3	100
38B	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PPI				
39A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	100	0	100
39B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE				
40A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	100	3	100
40B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI				
41A	IMAZAQUIN	1.50 AS	.155 LB/AC	PRE	0	97	3	100
41B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE				
42A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	100	7	100
42B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI				
43A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	93	7	60
43B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
43C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
44A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	87	0	83
44B	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
44C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
45A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	90	0	93
45B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP				
45C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP				
46A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	90	0	87
46B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP				
46C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP				
47A	FMC 57020	6.00 EC	.750 LB/AC	PPI	0	93	0	93
47B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	COCB	CRIN	COCB
48	AC 499	1.92 AS	.063 LB/AC	PPI	0	97	0	97
49	AC 499	1.92 AS	.063 LB/AC	PRE	0	100	13	100
50	AC 499	1.92 AS	.093 LB/AC	PPI	0	57	0	23
51	AC 499	1.92 AS	.093 LB/AC	PRE	0	100	0	100
52	AC 499	1.92 AS	.125 LB/AC	PPI	0	100	3	97
53	AC 499	1.92 AS	.125 LB/AC	PRE	0	100	3	100
54A	AC 499	1.92 AS	.063 LB/AC	LLP	0	73	10	67
54B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				
55A	AC 499	1.92 AS	.093 LB/AC	LLP	10	83	33	77
55B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				
56A	AC 499	1.92 AS	.125 LB/AC	LLP	0	77	33	77
56B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				
57A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	0	97	3	97
57B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE				
58A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	0	97	0	97
58B	AC 499	1.92 AS	.093 LB/AC	PRE				
59A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	0	80	3	73
59B	BENTAZON	4.00 E	1.000 LB/AC	EP				
59C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
60A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	0	87	7	80
60B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
60C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
61A	LACTOFEN	2.00 E	.200 LB/AC	EP	0	93	0	90
61B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP				
61C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
62A	LACTOFEN	2.00 E	.200 LB/AC	EP	0	90	3	80
62B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP				
62C	BENTAZON	4.00 E	.500 LB/AC	EP				
62D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
63A	METALACHLOR + METRIB	8.00 EC	1.500 LB/AC	PPI	0	100	7	100
63B	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	COCB	CRIN	COCB
64A	METALACHLOR + METRIB	8.00 EC	1.500 LB/AC	PPI	0	100	0	100
64B	IMAZAQUIN	1.50 AS	.096 LB/AC	PRE				
64C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE				
65A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PPI	0	97	0	100
65B	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI				
65C	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI				
66A	MFR 13327	4.00 EC	1.130 LB/AC	PPI	0	97	3	100
66B	IMAZAQUIN	1.50 AS	.093 LB/AC	PPI				

LSD(05): NS 9 10 21

LOCATION: PRINCETON  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: JUNE 3  
 VARIETY: ESSEX

0 N, 60 P,

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.8 O.M.: 1.3%  
 DATE TREATED: PRE JUNE 3  
 PPI JUNE 3  
 EP JUNE 12  
 MP JUNE 18  
 LP JUNE 30  
 LLP JULY 10

60 K

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	ILMG	CRIN	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	0	67
1B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP				
1C	TRITON AG 98 SURFACT	.00 WA	.125 %	MP				
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	77	0	57
2B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
2C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	83	0	63
3B	CHLORIMURON	25.00 DF	.012 LB/AC	EP				
3C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	93	0	77
4B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
4C	ACIFLUORFEN	2.00 L	.250 LB/AC	EP				
4D	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	90	0	77
5B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
5C	ACIFLUORFEN	2.00 L	.380 LB/AC	EP				
5D	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	0	87
6B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
6C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	0	67
7B	CHLORIMURON	25.00 DF	.012 LB/AC	EP				
7C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP				
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	93	0	77
8B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
8C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
8D	CHLORIMURON	25.00 DF	.008 LB/AC	+2W				
8E	X-77 (SURFACTANT)	.50 WA	.250 %	+2W				
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	77	0	70
9B	LACTOFEN	2.00 E	.150 LB/AC	EP				
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	0	77
10B	LACTOFEN	2.00 E	.200 LB/AC	EP				
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	90	0	73
11B	LACTOFEN	2.00 E	.150 LB/AC	EP				
11C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK -		--8 WEEK -	
					CRIN	ILMG	CRIN	ILMG
12A	ETHALFLURALIN	3.00 E	.940	LB/AC PPI	0	83	0	77
12B	CHLORIMURON + METRIB	75.00 DF	.375	LB/AC PPI				
13A	ETHALFLURALIN	3.00 E	.940	LB/AC PPI	0	90	0	80
13B	CHLORIMURON + METRIB	75.00 DF	.560	LB/AC PPI				
14A	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI	0	83	0	90
14B	IMAZAQUIN	1.50 AS	.125	LB/AC MP				
14C	ACIFLUORFEN	2.00 L	.180	LB/AC MP				
14D	OIL CONCENTRATE	.00 AD	.500	QT/AC MP				
15A	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI	0	70	0	63
15B	IMAZAQUIN	1.50 AS	.125	LB/AC MP				
15C	ACIFLUORFEN	2.00 L	.250	LB/AC MP				
15D	OIL CONCENTRATE	.00 AD	.500	QT/AC MP				
16A	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI	0	73	0	70
16B	IMAZAQUIN	1.50 AS	.125	LB/AC MP				
16C	BENTAZON	4.00 E	.500	LB/AC MP				
16D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
17A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	0	63	0	73
17B	PENDIMETHALIN	4.00 E	1.000	LB/AC PRE				
18A	IMAZAQUIN	1.50 AS	.155	LB/AC PPI	0	83	0	63
18B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI				
19A	IMAZAQUIN	1.50 AS	.188	LB/AC PPI	0	77	0	73
19B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI				
20A	IMAZAQUIN	1.50 AS	.125	LB/AC PPI	0	90	0	67
20B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI				
20C	IMAZAQUIN	1.50 AS	.125	LB/AC MP				
20D	X-77 (SURFACTANT)	.50 WA	.250	% MP				
21A	IMAZAQUIN	1.50 AS	.125	LB/AC PPI	0	83	0	63
21B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI				
21C	IMAZAQUIN	1.50 AS	.125	LB/AC MP				
21D	10 34 0	.00 AD	1.000	QT/AC MP				
22A	IMAZAQUIN	1.50 AS	.125	LB/AC PPI	10	97	0	83
22B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI				
22C	2,4-DB	2.00 E	.030	LB/AC MP				
23A	IMAZAQUIN	1.50 AS	.125	LB/AC PPI	0	90	0	80
23B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI				
23C	ACIFLUORFEN	2.00 L	.250	LB/AC MP				
23D	OIL CONCENTRATE	.00 AD	.500	QT/AC MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	ILMG	CRIN	ILMG
24A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	83	0	67
24B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI				
24C	ACIFLUORFEN	2.00 L	.125 LB/AC	MP				
24D	2,4-DB	2.00 E	.020 LB/AC	MP				
25A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	93	0	70
25B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI				
25C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP				
25D	2,4-DB	2.00 E	.020 LB/AC	MP				
26A	FMC 57020	6.00 EC	.750 LB/AC	PRE	0	87	0	77
26B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
26C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
27A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	87	0	77
27B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
27C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
28A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	90	0	77
28B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP				
28C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP				
29A	LACTOFEN	2.00 E	.200 LB/AC	EP	7	77	0	47
29B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP				
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
30A	LACTOFEN	2.00 E	.200 LB/AC	EP	10	83	0	73
30B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	EP				
30C	BENTAZON	4.00 E	.500 LB/AC	EP				
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
31	AC 499	1.92 AS	.063 LB/AC	PPI	0	80	0	80
32	AC 499	1.92 AS	.063 LB/AC	PRE	0	73	0	70
33	AC 499	1.92 AS	.093 LB/AC	PPI	0	87	0	50
34	AC 499	1.92 AS	.093 LB/AC	PRE	0	83	0	77
35	AC 499	1.92 AS	.125 LB/AC	PPI	0	83	0	67
36	AC 499	1.92 AS	.125 LB/AC	PRE	0	87	0	83
37A	AC 499	1.92 AS	.063 LB/AC	LLP	0	80	0	80
37B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S6117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	ILMG	CRIN	ILMG
38A	AC 499	1.92 AS	.093 LB/AC	LLP	0	93	0	93
38B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				
39A	AC 499	1.92 AS	.125 LB/AC	LLP	0	73	0	80
39B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				
40A	AC 499	1.92 AS	.063 LB/AC	PPI	0	83	0	70
40B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI				
41A	AC 499	1.92 AS	.063 LB/AC	LLP	0	93	0	93
41B	2,4-DB	2.00 E	.030 LB/AC	LLP				
41C	X-77 (SURFACTANT)	.50 WA	.250 %	LLP				
42A	AC 499	1.92 AS	.063 LB/AC	LLP	7	77	7	80
42B	ACIFLUORFEN	2.00 L	.250 LB/AC	LLP				
42C	OIL CONCENTRATE	.00 AD	.500 QT/AC	LLP				
43A	LAB 175695	50.00 WP	.100 LB/AC	MP	0	80	0	50
43B	BAS 090 02	.00 WA	1.000 %	MP				
44A	LAB 175695	50.00 WP	.250 LB/AC	MP	0	97	0	80
44B	BAS 090 02	.00 WA	1.000 %	MP				
45A	LAB 175695	50.00 WP	.500 LB/AC	MP	3	100	0	90
45B	BAS 090 02	.00 WA	1.000 %	MP				
LSD(05):					4	12	NS	NS

LOCATION: PRINCETON  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: JUNE 3  
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.8 O.M.: 1.5%  
 0 N, 60 P, 60 K  
 DATE TREATED: PRE JUNE 3  
 PPI JUNE 3  
 EP JUNE 12  
 MP JUNE 18  
 +2W JUNE 27  
 LLP JULY 10

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6121 SHATTERCANE CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --	
					CRIN	SHCA
1	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	0
2	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	60
3	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI	0	70
4A	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI	0	97
4B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP		
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
5A	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI	0	100
5B	FLUAZIFOP-BUYTL	1.00 E	.250 LB/AC	MP		
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
6	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	23
7	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI	0	27
8	PENDIMETHALIN	4.00 E	2.000 LB/AC	PPI	0	40
9A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	53
9B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI		
10A	IMAZAQUIN	1.50 AS	.155 LB/AC	PPI	0	47
10B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI		
11A	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	0	37
11B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI		
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	83
12B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI		
12C	IMAZAQUIN	1.50 AS	.125 LB/AC	MP		
12D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
13	AC 499	1.92 AS	.063 LB/AC	PPI	0	23
14	AC 499	1.92 AS	.063 LB/AC	PRE	0	33
15	AC 499	1.92 AS	.093 LB/AC	PPI	0	20
16	AC 499	1.92 AS	.093 LB/AC	PRE	0	27
17	AC 499	1.92 AS	.125 LB/AC	PPI	0	50
18	AC 499	1.92 AS	.125 LB/AC	PRE	0	47



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6121 SHATTERCANE CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --	
					CRIN	SHCA
19A	AC 499	1.92 AS	.063 LB/AC	LLP	3	83
19B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP		
20A	AC 499	1.92 AS	.093 LB/AC	LLP	7	87
20B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP		
21A	AC 499	1.92 AS	.125 LB/AC	LLP	7	87
21B	X-77 (SURFACTANT)	.50 WA	.250 %	LLP		
22A	AC 499	1.92 AS	.063 LB/AC	PPI	0	50
22B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI		
23A	AC 499	1.92 AS	.063 LB/AC	PPI	0	37
23B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI		
24A	FLUAZIFOP-BUYTL	1.00 E	.250 LB/AC	MP	0	90
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
25A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	97
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
26A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	83
26B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP		
27A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	93
27B	AMMONIUM SULFATE	99.99 DG	2.500 LB/AC	MP		
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
28A	HALOXYFOP	2.00 E	.120 LB/AC	MP	0	97
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
29A	Y 6202	.80 L	.100 LB/AC	MP	0	100
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
30A	DPX Y6202 31	.80 E	.075 LB/AC	MP	0	100
30B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
31A	FENOXAPROP	1.00 EC	.150 LB/AC	MP	0	97
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
32A	RE 45601	2.00 EC	.120 LB/AC	MP	0	93
32B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
33	CHECK (CULTIVATED)	.00 CK	.000		0	100
LSD(05):					3	27

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S6121 SHATTERCANE CONTROL IN SOYBEANS

LOCATION:	PRINCETON	SOIL TYPE:	CRIDER SILT LOAM
FERTILIZATION (LB/AC):	250 N, 60 P, 60 K	PH:	6.5 O.M.: 1.5%
DATE PLANTED:	JUNE 19	DATE TREATED:	PRE JUNE 19
VARIETY:			PPI JUNE 19
			MP JULY 8
			LLP JULY 22

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE T6018 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----				
					GRAS	BRLE	CRIN	GIFT	COLQ
1	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	98	85	0	100	85
2	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI	95	90	0	95	90
3	FMC 57020	6.00 EC	1.000 LB/AC	PPI	98	70	0	98	72
4	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	78	0	100	100
5	PEBULATE	6.00 E	4.000 LB/AC	PPI	100	18	0	100	18
6	BENEFIN	1.50 E	1.500 LB/AC	PPI	92	80	0	92	78
7	ISOPROPALIN	6.00 E	1.500 LB/AC	PPI	92	78	0	95	75
8	NAPROPAMIDE	50.00 WP	1.000 LB/AC	PPI	92	55	0	95	62
9	DIPHENAMID	90.00 W	6.000 LB/AC	PPI	98	58	0	98	62
10	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100
LSD(05):					9	23	10	NS	34

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM  
 DATE PLANTED: MAY 20 DATE TREATED: PPI MAY 20 PH: 6.5 O.M.: 3.0%  
 VARIETY: PRE MAY 20