

# Herbicide Evaluation Trials - 1989

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(Not for Publication)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 location 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.

**Laura Boldt**, **Jerry Flint**, **Kenny Perry**, **Kip Sander**, **Gary Schmitz**, and **Angela Thompson**, graduate research assistants, who made significant contributions in conducting herbicide trials and special projects.

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

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# **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>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
ACCOS	Hophornbeam Copperleaf	<i>Acalypha ostryifolia</i>
AMARE	Redroot Pigweed	<i>Amaranthus retroflexus</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DATST	Jimsonweed	<i>Datura stramonium</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
ERICA	Horseweed	<i>Conzya canadensis</i>
HELAN	Common Sunflower	<i>Helianthus annuus</i>
IPOHE	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
LACSE	Prickly Lettuce	<i>Lactuca serriola</i>
PHBPU	Tall Morningglory	<i>Ipomoea purpurea</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
SECCE	Rye	<i>Secale cereale</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SIDSP	Prickly Sida	<i>Sida spinosa</i>
SOLNO	Eastern Black Nightshade	<i>Solanum pyramanthum</i>
SORHA	Johnsongrass	<i>Sorghum halepense</i>
SORVU	Shattercane	<i>Sorghum bicolor</i>
TRZAX	Wheat	<i>Triticum aestivum</i>
XANOR	Common cocklebur	<i>Xanthium pensylvanicum</i>

### B. Miscellaneous

BBBBB	All Broadleaf Species
GGGGG	All Grass Species
CRIN	Crop Injury

### C. Crop Growth Stages at Application

#### 1. Corn

- 2LF — Two fully developed leaves formed
- 3LF — Three fully developed leaves formed
- 5LF — Five fully developed leaves formed
- 6LF — Six fully developed leaves formed

#### 2. Soybeans

- CRK — Cracking stage of soybeans
- COT — Cotyledons have emerged and are fully developed
- UN — Unifoliate stage of soybeans
- 1TR — One trifoliate fully expanded
- V2 — Trifoliate leaves at second node are fully developed
- V4 — Trifoliate leaves at fourth node are fully developed

## II. ABBREVIATIONS

### D. Herbicide Application Times With Reference to Crop or Weed

1. PPI — Preplant Incorporated
2. SB — Shallow Blend One Pass Incorporation
3. PRE — Preemergence
4. EPP — Early Preplant; 3-4 Weeks Before Planting
5. POD — Post Directed
6. POE — Postemergence
7. EP — Early Postemergence; Weeds < 2"
8. +EP — Early Postemergence applied after a previous treatment
9. MP — Mid-Postemergence; Weeds 2-4"
10. LP — Late Postemergence; Weeds 4-6"
11. PL3 — Post Directed to Lower 3 Inches of Plant
12. PL6 — Post Directed to Lower 6 Inches of Plant
13. PD3 — Post Directed to Lower 1/3 of the Plant
14. +4H — Sequential Treatment applied 4 hours after first application
15. +5D — Sequential Treatment applied 5 days after first application
16. +7D — Sequential Treatment applied 7 days after first application
17. 14D — Sequential Treatment applied 14 days after planting
18. 21D — Sequential Treatment applied 21 days after planting
19. 2WP — Treatment Applied 2 weeks prior to planting
20. +1W — One Week after first application
21. 2W — Two Weeks after planting
22. 3W — Three Weeks after planting
23. 2LG — Two Leaf Grass
24. 2LC — Two Leaf Cane
25. 5LC — Five Leaf Cane
26. 7J — 7" Johnsongrass
27. 12J — 12" Johnsongrass
28. 18J — 18" Johnsongrass
29. 3LJ — Three Leaf Johnsongrass
30. 4LJ — Four Leaf Johnsongrass
31. 6LJ — Six Leaf Johnsongrass
32. 8LJ — Eight Leaf Johnsongrass
33. +6J — Sequential Treatment applied to 6" Johnsongrass
34. +8J — Sequential Treatment applied to 8" Johnsongrass
35. TIL — Tillering stage of Wheat or Rye
36. BT — Boot stage of Wheat or Rye

### III A. April Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
4/ 1/89	51	32	--	78	36	52	48	54	38	
4/ 2/89	65	35	--	72	25	52	49	55	41	
4/ 3/89	71	49	.32	81	58	55	51	63	48	.07
4/ 4/89	67	53	.57	86	71	55	55	60	55	.17
4/ 5/89	51	38	.03	79	43	55	53	58	44	.17
4/ 6/89	55	33	.02	86	32	54	50	56	41	.04
4/ 7/89	54	34	.53	86	30	54	50	55	43	.23
4/ 8/89	50	36	.47	86	76	53	50	52	42	.00
4/ 9/89	45	28	--	85	35	49	46	47	36	.17
4/10/89	42	29	--	71	35	48	46	49	35	.00
4/11/89	50	20	--	82	29	50	45	55	34	.03
4/12/89	56	28	--	62	25	50	46	53	34	.21
4/13/89	57	36	--	81	28	52	48	57	38	.21
4/14/89	61	32	--	61	35	53	49	57	37	.15
4/15/89	60	45	.25	86	53	52	50	56	47	.09
4/16/89	66	34	--	87	29	55	49	63	39	.13
4/17/89	75	42	--	55	37	56	53	63	45	.23
4/18/89	76	52	.34	84	40	59	55	68	53	.21
4/19/89	69	39	.25	85	44	59	54	66	47	.18
4/20/89	65	33	--	83	27	57	52	63	40	.26
4/21/89	71	36	--	82	23	60	54	67	43	.23
4/22/89	75	44	--	75	28	60	56	68	48	.14
4/23/89	66	47	.01	70	30	60	51	66	50	.12
4/24/89	70	45	.01	80	55	57	53	60	46	.03
4/25/89	83	58	--	84	47	61	55	74	54	.19
4/26/89	85	60	TRACE	81	47	65	60	80	59	.23
4/27/89	83	57	.24	85	39	67	63	79	61	.24
4/28/89	83	57	TRACE	85	35	68	64	76	60	.18
4/29/89	79	56	.15	85	48	68	64	74	60	.22
4/30/89	76	50	--	85	38	69	64	72	57	.20

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

AVERAGES	SUMMARY ACCUMULATIONS										GDD	HEAT	COOL	
	FOR PERIOD					FOR PERIOD								
STATION	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL	50	DEG.	DEG.	
	HI	LO	AVG	HI	LO	GRASS	BARE	MOD	DAYS	DAYS	MOD	DAYS	DAYS	
	HI	LO		HI	LO	HI	LO	HI	LO	HI	LO			
SPINDLETOP	65	41	54	80	39	57	53	62	46	3.19	4.33	264	372	27
STATION	TEMP	PCPN	EXTREMES FOR PERIOD		SOILTEMP		EVAP	GDD	HEAT	COOL	50	DEG.	DEG.	
	HI	LO	HI	LO	GRASS	BARE	MOD	DAYS	DAYS	DAYS	MOD	DAYS	DAYS	
SPINDLETOP	85	20	.57	87	23	69	45	80	34	.26	23	30	8	



### III A. May Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO		
5/ 1/89	65	50	.08	85	69	69	64	69	56	.11
5/ 2/89	57	40	.02	86	40	64	59	59	49	.13
5/ 3/89	64	36	--	87	27	62	56	67	42	.15
5/ 4/89	67	37	.21	83	34	62	57	64	47	.16
5/ 5/89	67	51	.45	85	50	61	59	63	54	.01
5/ 6/89	54	37	.05	85	49	61	57	58	48	.08
5/ 7/89	53	31	.04	85	36	59	54	58	40	.11
5/ 8/89	67	33	--	78	34	60	54	64	42	.18
5/ 9/89	63	51	1.52	84	43	61	58	61	53	.12
5/10/89	64	43	--	85	36	59	56	60	49	.19
5/11/89	62	44	TRACE	80	35	60	56	59	48	.12
5/12/89	60	36	--	75	37	59	54	58	44	.18
5/13/89	62	47	TRACE	63	37	58	55	56	49	.12
5/14/89	68	50	.11	85	38	59	55	64	51	.08
5/15/89	65	51	.35	86	46	60	57	63	54	.13
5/16/89	70	37	.02	85	34	62	57	67	48	.14
5/17/89	78	58	--	89	40	71	60	74	60	.21
5/18/89	79	54	--	95	49	69	63	71	59	.22
5/19/89	71	62	.03	86	64	65	63	65	60	.14
5/20/89	79	61	.45	90	56	66	61	72	59	.14
5/21/89	79	53	--	86	39	69	64	77	59	.25
5/22/89	78	55	.39	87	39	70	65	74	60	.21
5/23/89	73	54	.66	89	44	67	63	66	59	.17
5/24/89	80	54	--	86	35	68	64	74	57	.20
5/25/89	83	66	--	74	35	69	66	74	62	.24
5/26/89	83	67	.44	83	59	70	68	75	67	.24
5/27/89	79	57	.15	86	35	71	68	76	62	.28
5/28/89	73	45	--	85	38	71	66	75	56	.21
5/29/89	82	53	--	84	41	71	68	76	62	.20
5/30/89	86	65	--	84	48	72	67	83	65	.25
5/31/89	88	68	--	82	49	73	70	84	68	.36

\*\*\*\*\*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.		
				HI	LO	HI	LO			MOD	DAYS	DAYS		
SPINDLETOP	71	50	61	84	42	65	61	68	54	4.97	5.33	395	203	67
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				
SPINDLETOP	88	31	1.52	95	27	73	54	84	40	.36	27	23	13	

### III A. June Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
6/ 1/89	90	69	--	88	46	95	71	88	69	.34
6/ 2/89	90	67	--	88	46	75	72	85	70	.32
6/ 3/89	83	65	.06	90	60	76	72	82	70	.18
6/ 4/89	80	69	.46	91	49	75	71	80	68	.14
6/ 5/89	78	63	1.26	89	59	75	73	78	68	.12
6/ 6/89	74	57	--	86	44	73	69	72	63	.19
6/ 7/89	80	51	--	91	37	75	68	80	59	.21
6/ 8/89	80	56	--	85	60	75	70	78	63	.19
6/ 9/89	80	61	.26	100	54	74	71	76	65	.18
6/10/89	78	58	--	100	52	75	70	76	61	.18
6/11/89	77	48	--	100	42	74	68	82	58	.19
6/12/89	82	62	.23	100	69	75	70	81	65	.19
6/13/89	80	64	1.05	100	58	74	71	74	65	.14
6/14/89	79	68	.03	100	58	74	71	76	67	.22
6/15/89	72	56	.97	100	80	74	70	76	63	.07
6/16/89	68	59	--	100	70	70	68	69	62	.06
6/17/89	75	50	--	100	38	72	67	75	57	.18
6/18/89	81	58	--	98	40	73	69	76	61	.22
6/19/89	79	65	.96	100	68	73	71	75	66	.15
6/20/89	81	64	.18	100	64	74	71	78	66	.15
6/21/89	83	66	--	100	62	75	73	79	67	.20
6/22/89	88	65	--	100	50	78	74	85	67	.25
6/23/89	88	67	--	100	47	79	75	87	69	.22
6/24/89	88	65	--	100	52	80	75	89	69	.23
6/25/89	92	64	--	100	43	80	76	92	71	.22
6/26/89	91	67	--	100	43	80	77	92	73	.23
6/27/89	87	69	TRACE	100	57	80	77	86	74	.22
6/28/89	85	67	.22	100	54	80	76	87	71	.24
6/29/89	81	60	--	100	48	79	75	87	67	.21
6/30/89	84	53	--	100	49	79	73	88	64	.28

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AVERAGES	SUMMARY ACCUMULATIONS										GDD	HEAT	COOL	
	FOR PERIOD					FOR PERIOD								
STATION	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL	50	DEG.	DEG.	
	HI	LO	AVG	HI	LO	GRASS	BARE	MOD	DAYS	DAYS	MOD	DAYS	DAYS	
	HI	LO		HI	LO	HI	LO							
SPINDLETOP	82	62	72	97	53	76	72	81	66	5.68	5.92	652	6	219
STATION	EXTREMES FOR PERIOD													
	TEMP	PCPN	RH	SOILTEMP		EVAP	GDD	HEAT	COOL	50	DEG.	DEG.		
HI	LO		HI	LO	GRASS	BARE	MOD	DAYS	DAYS	MOD	DAYS	DAYS		
SPINDLETOP	92	48	1.26	100	37	95	67	92	57	.34	28	2	15	

### III A. July Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
7/ 1/89	83	66	--	100	60	79	75	88	71	.23
7/ 2/89	73	67	.10	100	71	78	74	77	69	.05
7/ 3/89	78	65	TRACE	100	78	75	71	78	66	.14
7/ 4/89	83	67	.03	100	70	75	73	80	69	.14
7/ 5/89	85	65	--	100	66	76	74	83	70	.13
7/ 6/89	87	66	1.06	100	64	77	74	84	71	.25
7/ 7/89	91	66	--	100	49	79	76	86	72	.25
7/ 8/89	90	68	--	100	44	81	76	89	71	.29
7/ 9/89	90	68	--	100	54	81	76	88	73	.26
7/10/89	91	72	--	100	56	81	77	91	75	.35
7/11/89	92	72	--	100	49	83	79	95	75	.23
7/12/89	85	68	--	100	61	83	79	88	69	.22
7/13/89	81	69	.30	100	56	82	77	83	68	.19
7/14/89	85	60	--	100	44	80	74	88	66	.29
7/15/89	82	57	--	100	43	81	75	85	68	.17
7/16/89	82	62	--	97	38	79	74	88	68	.29
7/17/89	84	53	--	100	30	80	74	88	66	.26
7/18/89	85	54	--	100	32	79	74	91	67	.29
7/19/89	78	64	1.75	100	76	80	75	84	69	.05
7/20/89	81	63	.05	98	60	75	72	77	67	.11
7/21/89	86	67	.16	97	63	80	75	83	69	.19
7/22/89	90	70	--	95	59	82	76	86	70	.27
7/23/89	93	71	.24	96	60	84	78	92	72	.23
7/24/89	90	69	--	97	65	85	78	89	71	.30
7/25/89	92	68	--	100	50	83	78	92	73	.26
7/26/89	91	69	--	100	53	83	79	94	75	.27
7/27/89	89	70	--	100	57	84	79	91	75	.25
7/28/89	88	71	--	100	49	83	78	88	75	.24
7/29/89	85	60	--	100	44	81	77	91	70	.20
7/30/89	84	65	--	100	66	82	76	90	72	.20
7/31/89	83	68	.16	100	81	79	76	80	74	.04

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

AVERAGES	SUMMARY ACCUMULATIONS													
	FOR PERIOD					FOR PERIOD								
STATION	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL				
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.				
	HI	LO		HI	LO	HI	LO	MOD	DAYS	DAYS				
SPINDLETOP	86	66	76	99	56	80	76	87	71	3.85	6.64	778		342
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	DAYS					
SPINDLETOP	93	53	1.75	100	30	85	71	95	66	.35	29		17	

### III A. August Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/89	87	67	.10	100	56	80	76	86	72	.14
8/ 2/89	87	64	--	100	54	80	77	87	70	.20
8/ 3/89	90	66	--	100	56	80	77	89	71	.25
8/ 4/89	91	71	--	100	46	80	78	91	73	.37
8/ 5/89	91	73	.18	100	63	81	78	89	76	.29
8/ 6/89	81	66	.94	100	72	80	76	87	71	.18
8/ 7/89	78	55	--	100	38	78	73	79	65	.25
8/ 8/89	76	46	--	100	35	75	70	83	59	.21
8/ 9/89	78	47	--	100	38	76	70	84	61	.22
8/10/89	81	50	--	100	39	76	70	86	63	.24
8/11/89	81	54	--	100	33	76	71	87	64	.20
8/12/89	83	55	--	100	38	77	71	87	65	.22
8/13/89	85	56	--	100	39	77	72	88	66	.21
8/14/89	87	56	--	100	38	77	72	88	67	.20
8/15/89	57	59	--	100	39	77	73	88	68	.21
8/16/89	86	62	1.18	100	49	77	74	86	70	.36
8/17/89	82	62	.13	100	67	75	72	79	68	.11
8/18/89	78	62	.15	100	60	75	72	76	66	.13
8/19/89	80	59	--	100	53	75	73	78	66	.20
8/20/89	81	63	.43	100	66	76	74	77	66	.17
8/21/89	79	69	.42	100	83	75	74	75	70	.05
8/22/89	90	69	--	96	55	77	74	81	70	.24
8/23/89	87	73	.56							
8/24/89	85	70	.01							
8/25/89	86	69	.02							
8/26/89	86	70	--							
8/27/89	87	67	--							
8/28/89	88	70	--							
8/29/89	90	72	--							
8/30/89	88	67	--							
8/31/89	88	65	--							

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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.				
						HI	LO	HI	LO	MOD	DAYS	DAYS		
SPINDLETOP	84	63	74	100	51	77	74	84	68	4.12	4.65	719	13	279
				*	*	*	*	*	*					
STATION	TEMP	PCPN	RH	SOILTEMP		EVAP	GDD	HEAT	COOL					
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.					
					HI	LO	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	91	46	1.18	100	33	81	70	91	59	.37	30	7	17	

### III A. September Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
9/ 1/89	85	72	.42	100	70	81	78	85	70	.17
9/ 2/89	79	67	--	100	60	78	76	84	69	.14
9/ 3/89	76	56	--	100	60	76	73	84	68	.12
9/ 4/89	83	54	--	100	54	76	71	83	69	.16
9/ 5/89	87	63	--	100	48	76	73	86	68	.17
9/ 6/89	87	59	--	100	47	76	73	87	68	.23
9/ 7/89	87	67	--	100	50	78	75	88	72	.20
9/ 8/89	88	65	--	100	52	78	76	88	71	.26
9/ 9/89	89	69	--	100	50	77	75	86	72	.23
9/10/89	82	67	.42	100	75	78	76	85	72	.14
9/11/89	80	63	--	100	62	77	74	80	69	.16
9/12/89	81	59	--	100	54	76	73	82	67	.18
9/13/89	86	56	--	100	47	75	72	85	65	.19
9/14/89	80	66	.35	100	72	76	74	80	71	.07
9/15/89	71	60	.48	96	92	75	71	72	67	.06
9/16/89	70	59	.35	100	78	71	69	68	64	.03
9/17/89	75	56	.02	100	40	71	69	75	62	.13
9/18/89	75	48	--	98	44	71	68	72	58	.15
9/19/89	75	53	--							
9/20/89	78	55	--							
9/21/89	86	63	--							
9/22/89	73	69	2.24							
9/23/89	56	44	.81							
9/24/89	61	37	--							
9/25/89	65	48	--							
9/26/89	70	50	--							
9/27/89	64	42	--							
9/28/89	73	44	--							
9/29/89	67	60	.26							
9/30/89	68	63	.01							

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AVERAGES	SUMMARY										FOR PERIOD			
	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.		
						HI	LO	HI	LO	MOD	DAYS	DAYS		
SPINDLETOP	77	58	67	* 100	* 59	* 76	* 73	* 82	* 68	5.36	2.79	540	67	140
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			
SPINDLETOP	89	37	2.24	100	40	81	68	88	58	.26	29	16	14	

## III B. April Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
4/ 1/89	64	48	--	100	52	60	56			
4/ 2/89	66	45	--	80	32	62	56			
4/ 3/89	76	53	--	56	55	64	58			
4/ 4/89	74	52	1.70	100	42	62	56			
4/ 5/89	68	40	--	100	40	60	54			
4/ 6/89	56	31	--	100	60	60	52			
4/ 7/89	58	35	.05	100	28	60	52			
4/ 8/89	57	30	.15	100	70	60	52			
4/ 9/89	48	33	--	100	38	60	52			
4/10/89	45	34	--	100	28	58	50			
4/11/89	52	22	--	100	30	58	50			
4/12/89	60	30	--	92	30	52	48			
4/13/89	64	34	--	100	40	52	48			
4/14/89	65	40	.05	95	50	54	42			
4/15/89	64	47	.16	100	40	55	50			
4/16/89	73	37	--	100	30	58	50			
4/17/89	80	58	--	100	60	60	50			
4/18/89	84	53	--	100	34	60	54			
4/19/89	82	42	.04	100	40	60	56			
4/20/89	68	40	--	100	36	62	56			
4/21/89	78	41	--	100	30	64	58			
4/22/89	82	52	--	92	40	65	56			
4/23/89	83	52	--	100	34	62	56			
4/24/89	82	64	--	100	70	66	58			
4/25/89	85	68	--	100	.62	70	62			
4/26/89	89	63	--	100	60	76	65			
4/27/89	88	62	.03	100	52	74	68			
4/28/89	87	62	.17	100	62	76	72			
4/29/89	85	51	--	100	62	76	72			
4/30/89	75	54	.04	98	44	73	64			

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AVERAGES	SUMMARY ACCUMULATIONS										
	FOR PERIOD					FOR PERIOD					
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL		
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	
	HI	LO		HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	71	46	59	97	45	63	56	2.39	371	254	67
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	DAYS		
PRINCETON	89	22	1.70	100	28	76	42	27	28	12	

### III B. May Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
5/ 1/89	71	54	--	100	22	74	64			
5/ 2/89	66	41	--	100	38	68	58			
5/ 3/89	68	42	--	100	60	68	62			
5/ 4/89	64	50	.36	100	100	68	60			
5/ 5/89	72	58	.45	100	100	68	62			
5/ 6/89	65	41	--	100	40	68	62			
5/ 7/89	64	41	--	98	46	68	62			
5/ 8/89	72	38	--	100	42	66	60			
5/ 9/89	73	58	.81	100	100	64	60			
5/10/89	70	45	--	100	30	66	60			
5/11/89	68	42	--	100	50	66	58			
5/12/89	68	36	--	100	60	66	56			
5/13/89	76	42	--	100	48	68	56			
5/14/89	74	53	--	100	50	68	56			
5/15/89	75	50	.16	100	48	68	58			
5/16/89	78	50	--	100	50	70	62			
5/17/89	80	48	--	100	52	72	68			
5/18/89	82	64	--	90	64	72	64			
5/19/89	80	68	--	100	80	74	66			
5/20/89	84	64	.28	100	70	74	66			
5/21/89	82	59	--	100	30	75	66			
5/22/89	77	64	.11	100	30	75	70			
5/23/89	78	59	.06	100	50	75	70			
5/24/89	84	56	--	100	56	76	66			
5/25/89	87	74	--	100	.60	78	70			
5/26/89	86	72	.02	100	80	78	72			
5/27/89	78	56	.23	100	60	78	72			
5/28/89	75	50	--	100	44	75	68			
5/29/89	87	58	.21	100	56	78	70			
5/30/89	88	66	--	100	60	78	72			
5/31/89	91	70	--	100	66	78	72			

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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.	
				HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	76	54	65	100	56	72	64	2.69	508	108	116
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	91	36	.81	100	22	78	56	30	13	16	

### III B. June Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
	HI	LO		HI	LO	HI	LO	HI	LO	
6/ 1/89	93	71	--	100	50	98	72			
6/ 2/89	91	66	1.71	100	70	79	70			
6/ 3/89	85	68	.06	100	62	80	72			
6/ 4/89	83	62	.10	100	50	80	72			
6/ 5/89	70	65	.16	100	92	80	72			
6/ 6/89	79	55	--	100	58	78	70			
6/ 7/89	83	53	--	100	46	78	68			
6/ 8/89	80	60	.04	100	100	76	70			
6/ 9/89	82	59	.13	100	70	78	70			
6/10/89	81	55	--	100	40	78	70			
6/11/89	80	59	--	100	56	78	70			
6/12/89	78	67	2.14	100	100	76	68			
6/13/89	85	65	.74	100	100	78	72			
6/14/89	76	72	.08	100	70	76	70			
6/15/89	75	58	.57	100	80	76	68			
6/16/89	76	57	--	100	60	76	70			
6/17/89	78	50	--	100	46	76	70			
6/18/89	82	65	.05	100	42	75	67			
6/19/89	80	65	.28	100	92	77	70			
6/20/89	84	65	.08	100	70	78	72			
6/21/89	88	68	--	100	60	78	70			
6/22/89	92	69	--	100	60	82	74			
6/23/89	89	69	2.22	100	72	82	76			
6/24/89	92	68	--	100	94	82	74			
6/25/89	90	71	.04	100	60	85	76			
6/26/89	95	72	--	100	52	86	80			
6/27/89	93	70	.96	100	90	86	78			
6/28/89	82	70	.56	100	100	86	80			
6/29/89	85	68	.13	100	52	86	78			
6/30/89	85	62	--	100	42	86	79			

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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		
	HI	LO		HI	LO	HI	LO	HI	LO	HI	LO				
PRINCETON	84	64	74	100	68	80	72			10.05		702	1	278	
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	HI	LO	HI	LO	HI	LO					
PRINCETON	95	50	2.22	100	40	98	67			29	1	19			



### III B. July Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
	HI	LO		HI	LO	HI	LO	HI	LO	
7/ 1/89	85	67	1.13	100	74	86	78			
7/ 2/89	75	67	2.96	100	100	79	75			
7/ 3/89	72	66	.05	100	100	77	75			
7/ 4/89	82	67	.16	100	78	78	73			
7/ 5/89	85	69	--	100	74	80	75			
7/ 6/89	87	69	--	100	70	81	77			
7/ 7/89	89	72	--	100	54	83	79			
7/ 8/89	93	68	--	100	60	86	80			
7/ 9/89	92	72	--	100	60	86	78			
7/10/89	93	74	--	100	70	86	82			
7/11/89	92	73	--	100	74	86	82			
7/12/89	93	72	--	100	60	86	80			
7/13/89	84	69	--	100	70	86	82			
7/14/89	82	65	--	100	48	87	80			
7/15/89	84	68	--	100	52	86	80			
7/16/89	83	65	--	100	50	85	76			
7/17/89	86	60	--	100	40	87	80			
7/18/89	85	60	--	100	52	88	80			
7/19/89	86	70	.05	100	60	86	78			
7/20/89	84	63	.02	100	70	86	82			
7/21/89	82	64	.03	100	68	86	80			
7/22/89	87	64	--	100	64	86	82			
7/23/89	88	71	--	100	60	86	82			
7/24/89	90	68	TRACE	100	62	82	76			
7/25/89	92	68	TRACE	100	56	86	78			
7/26/89	94	72	TRACE	100	50	86	78			
7/27/89	93	68	TRACE	64	86	80	78			
7/28/89	95	70	--	100	52	86	82			
7/29/89	95	70	--	100	60	86	82			
7/30/89	91	73	--	100	64	86	82			
7/31/89	91	70	.18	100	68	86	82			

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#### SUMMARY ACCUMULATIONS

AVERAGES		FOR PERIOD								FOR PERIOD				
STATION	TEMP	PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL	
	HI	LO	AVG	HI	LO	GRASS	BARE	HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	87	68	78	99	65	85	79			4.58		820		405

#### EXTREMES FOR PERIOD

STATION	TEMP	PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL	
	HI	LO	HI	LO	GRASS	BARE	HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	95	60	2.96	100	40	88	73				30		19

## III B. August Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
	HI	LO		HI	LO	HI	LO	HI	LO	
8/ 1/89	90	72	.60	100	84	86	82			
8/ 2/89	92	68	--	100	64	86	80			
8/ 3/89	92	72	--	100	60	86	82			
8/ 4/89	92	73	--	100	60	88	84			
8/ 5/89	93	76	--	100	70	88	86			
8/ 6/89	92	68	.99	100	60	86	83			
8/ 7/89	83	61	--	100	50	86	76			
8/ 8/89	78	49	--	100	32	86	70			
8/ 9/89	80	52	--	100	30	84	68			
8/10/89	83	55	--	100	32	82	70			
8/11/89	84	55	--	100	40	82	76			
8/12/89	84	57	--	100	50	82	78			
8/13/89	85	59	--	100	48	80	73			
8/14/89	88	60	--	100	50	81	74			
8/15/89	89	63	--	100	48	82	78			
8/16/89	90	63	--	100	54	84	80			
8/17/89	83	65	.55	100	60	82	76			
8/18/89	84	61	--	100	60	84	78			
8/19/89	86	60	--	100	60	84	80			
8/20/89	83	69	.11	100	96	81	78			
8/21/89	92	70	.07	100	48	82	78			
8/22/89	94	72	--	100	60	84	80			
8/23/89	93	76	TRACE	100	85	84	82			
8/24/89	93	72	--	100	70	86	80			
8/25/89	94	72	.15	100	70	86	82			
8/26/89	89	70	1.14	100	85	86	82			
8/27/89	91	72	.02	100	74	85	82			
8/28/89	92	70	--	100	65	85	80			
8/29/89	91	70	.65	100	58	86	80			
8/30/89	85	69	.02	100	100	86	82			
8/31/89	90	69	.03	100	60	86	78			

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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	HI	LO	MOD	DAYS	DAYS
PRINCETON	88	66	77	100	61	84	79	4.33	790	1 380
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	DAYS
PRINCETON	94	49	1.14	100	30	88	68	31	1	20

## III B. September Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
9/ 1/89	89	72	.28	100	70	86	80			
9/ 2/89	83	70	--	99	67	81	77			
9/ 3/89	82	60	--	100	52	84	80			
9/ 4/89	81	58	--	100	72	84	78			
9/ 5/89	86	58	--	100	60	84	80			
9/ 6/89	90	62	--	100	52	86	82			
9/ 7/89	90	68	--	100	60	86	82			
9/ 8/89	89	67	--	100	58	85	82			
9/ 9/89	90	70	--	100	74	84	81			
9/10/89	86	70	.03	100	94	84	78			
9/11/89	80	65	--	100	90	84	78			
9/12/89	85	64	--	100	54	84	79			
9/13/89	86	63	--	100	62	84	78			
9/14/89	83	60	.57	96	64	74	73			
9/15/89	65	59	.05	100	100	75	71			
9/16/89	71	60	.06	100	92	74	70			
9/17/89	78	52	.02	100	50	74	68			
9/18/89	78	53	--	100	44	74	68			
9/19/89	78	51	--	100	54	79	67			
9/20/89	80	57	--	100	54	74	68			
9/21/89	82	58	--	100	60	74	68			
9/22/89	83	67	.08	100	100	74	68			
9/23/89	70	48	.14	100	44	75	68			
9/24/89	65	39	--	100	40	69	67			
9/25/89	65	51	.03	100	80	69	66			
9/26/89	73	48	--	100	42	63	62			
9/27/89	71	44	--	95	36	65	62			
9/28/89	76	46	--	100	60	68	60			
9/29/89										
9/30/89										

\*\*\*\*\*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	*	*	*	*	*	*	*	*	*	*
	80	59	69	100	64	78	73	1.26	548	44 168
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	90	39	.57	100	36	86	60	29	13	16

## IV. HERBICIDES IN REPORT

CHEMICAL/COMMON	TRADE NAME	COMPANY
2,4-DB	BUTYRAC 200	RHONE POULENC
2,4-D AMINE		VERTEC
2,4-D ESTER	ESTERON 99	
AC 513655 4.8E		AMERICAN CYANAMID
AC 310448 3E		AMERICAN CYANAMID
ACIFLUORFEN 1	BLAZER 2L	BASF
ACIFLUORFEN 2	TACKLE	RHONE POULENC
ALACHLOR	LASSO 4E,4MT	MONSANTO
ALACHLOR EC + ATRAZINE	LARIAT	MONSANTO
ALACHLOR MT + ATRAZINE	BULLET	MONSANTO
ALACHLOR + GLYPHOSATE	BRONCO (LASSO 2.5 + ROUNDUP 1.5)	MONSANTO
ALACHLOR + TRIFLURALIN	FREEDOM 3E	MONSANTO
AMMONIUM SULFATE		
ATRAZINE	ATRAZINE (DUPONT), AATREX, AATREX NINE-0	DUPONT, CIBA GEIGY
BAS 0562	POAST PLUS	BASF
BENEFIN	BALAN	ELANCO
BENTAZON	BASAGRAN	BASF
BENT. + ACIFL. 2.23:1	STORM	BASF
BENT. + ACIFL. 3:1	GALAXY 3.67E	BASF
BROMOXYNIL 2	BUCIRIL	RHONE POULENC
BUTYLATE + R25788	SUTAN +	ICI
BUTYLATE PKG.+ATRAZINE	SUTAZINE	ICI
GGA 136872	BEACON	CIBA GEIGY
GGA 180937 7.8FL		
GGA 180937 + CYANAZINE PK		
CHLORIMURON	CLASSIC	DUPONT
CHLORIMURON + LINURON	LOROX PLUS	DUPONT
CHLORIMURON + METRI. 1:6	CANOPY	DUPONT
CHLORIMURON + METRI. 1:10	PREVIEW	DUPONT
CLOMAZONE	COMMAND	FMC
CLOPYRALID + 2,4-D	CURTAIL	DOW
CYANAZINE	BLADEX 4L, 90DF	DUPONT
CYANAZINE + ATRAZINE	EXTRAZINE II	DUPONT
CROP OIL CONCENTRATE	PEPTOIL	
DASH		BASF
DICAMBA	BANVEL	SANDOZ
DICAMBA + ATRAZINE	MARKSMAN	SANDOZ
DPX E9636 25DF		DUPONT
EPTC + R25788	ERADICANE	ICI
EPTC + R25788 + R33865	ERADICANE EXTRA	ICI
ETHALFLURALIN	SONALAN	ELANCO
F 46360		FMC
F 6285 .42E		FMC
FENOXAPROP	WHIP, OPTION 1EC.	AMERICAN HOECHST, FMC
FLUAZIFOP-BUTYL	FUSILADE 2000	ICI
FOMESAFEN	REFLEX	ICI
FOMESAFEN + FLUAZIFOP-B.	TORNADO 2E	ICI
GLYPHOSATE	ROUNDUP	MONSANTO
GX-217	TRILLIN 80W	GRIFFIN
ICIA 5676 7E		ICI

## IV. HERBICIDES (Continued)

IMAZAQUIN	SCEPTER	AMERICAN CYANAMID
IMAZAQUIN + ACIFLUORFEN	SCEPTER OT 2.5S	AMERICAN CYANAMID
IMAZETHAPYR	PURSUIT	AMERICAN CYANAMID
IMAZETHAPYR + PENDIMETH	PURSUIT PLUS 3E	AMERICAN CYANAMID
ISOPROPALIN	PAARLAN	ELANCO
KIH 2665 50W		ELANCO
LACTOFEN	COBRA	VALENT
LINURON	LOROX	DUPONT
LIQUID FERTILIZER	28% NITROGEN	
M 6316	HARMONY 75DF	DUPONT
M 6316	PINNACLE 25DF	DUPONT
MCPA		
METALACHLOR	DUAL	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP 6L, 5.9L	CIBA GEIGY
METALACHLOR+METRIBUZIN	TURBO	MOBAY
METRIBUZIN 1	SENCOR 4L,75DF	MOBAY
METRIBUZIN 2	LEXONE 4L,75DF	DUPONT
MON 9828 67WDG		MONSANTO
MON 20009 79.3WDG		MONSANTO
METHOLATED SUNFLOWER OIL (MSO)		
PARAQUAT	GRANOXONE	ICI
PENDIMETHALIN	PROWL	AMERICAN CYANAMID
PENDIMETH. + IMAZAQUIN	SQUADRON	AMERICAN CYANAMID
PYRIDATE	TOUGH	RIVERSIDE TERRA
QUIZALAFOP	ASSURE	DUPONT
RE 45601 (CLETHODIM)	SELECT	VALENT
RO 17-3664 240 EC		MOBAY
SETHOXYDIM	POAST	BASF
SIMAZINE	PRINCEP	CIBA GEIGY
SURFACTANT	X-77	
TRIDIPHANE	TANDEM	DOW
TRIFLURALIN	TREFLAN	ELANCO
TRIFLURALIN + IMAZAQUIN	TRI-SCEPT	AMERICAN CYANAMID
TRIFLURALIN+METRIBUZIN	SALUTE	MOBAY
TRIFLURALIN+CLOMAZONE	COMMENCE	ELANCO, FMC
V-16508 AD		VALENT
V-23121 .9E		VALENT
V-23031 .88L		VALENT
V-53482 50WP		VALENT
V9360	ACCENT 72DF	DUPONT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	ABUTH	CRIN	SETFA	CHEAL	IPOHE	ABUTH
1	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	43	0	100	93	23	0	0	100	98	38	38
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	100	100
2B	ATRAZINE	4.00 L	1.600 lb/ac	PRE												
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	95	0	100	100	95	100	0	100	100	90	100
3B	CYANAZINE	4.00 L	1.500 lb/ac	PRE												
4	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	53	0	100	83	10	63	0	100	93	35	90
5A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	100	100
5B	ATRAZINE	4.00 L	1.600 lb/ac	PRE												
6A	METOLACHLOR	8.00 E	6.000 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	98	100
6B	ATRAZINE	4.00 L	1.600 lb/ac	PRE												
7A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	95	0	100	100	95	100	0	100	100	90	100
7B	CYANAZINE	4.00 L	2.000 lb/ac	PRE												
8	CYANAZINE	4.00 L	3.000 lb/ac	PRE	100	93	0	100	100	93	98	0	95	100	88	95
9A	CYANAZINE	4.00 L	1.600 lb/ac	PRE	100	90	0	100	100	90	100	0	100	100	80	100
9B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE												
10	ATRAZINE	4.00 L	1.600 lb/ac	PRE	88	95	0	88	100	95	100	0	90	100	95	100
11A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	100	100	3	100	100	100	100	0	95	100	98	100
11B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
12A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	95	100	0	95	100	100	100	0	90	100	85	98
12B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
13A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	100	95	3	100	100	95	100	0	93	100	90	83
13B	AC 513655	4.80 FL	0.600 lb/ac	PRE												
14A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	100	98	5	100	100	98	100	0	98	100	90	100
14B	AC 513655	4.80 FL	0.900 lb/ac	PRE												
15A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	100	100	10	100	100	100	100	0	98	98	98	100
15B	AC 513655	4.80 FL	1.200 lb/ac	PRE												
16A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	100	98	5	100	100	95	100	0	93	100	90	100
16B	CYANAZINE	4.00 L	2.000 lb/ac	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	ABUTH	CRIN	SETFA	CHEAL	IPOHE	ABUTH
17A	CGA 180937	7.80 EC	1.950 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	95	100
17B	ATRAZINE	4.00 L	1.600 lb/ac	PRE												
18A	CGA 180937	7.80 EC	5.850 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	100	100
18B	ATRAZINE	4.00 L	1.600 lb/ac	PRE												
19A	ALACHLOR	4.00 MT	7.500 lb/ac	PRE	100	100	3	100	100	100	100	0	100	100	100	100
19B	ATRAZINE	4.00 L	1.600 lb/ac	PRE												
20	METALACHLOR + ATRAZI	5.90 L	3.450 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	95	100
21	METALACHLOR + ATRAZI	5.90 L	10.620 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	100	100
22	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	100	98	0	100	100	100	98	0	100	100	98	95
23	METALACHLOR + ATRAZI	6.00 L	10.800 lb/ac	PRE	100	100	3	100	100	100	100	0	100	100	100	100
24	CGA 180937 + CYANAZ	4.00 L	4.000 lb/ac	PRE	100	90	0	100	100	88	100	0	100	100	80	98
25A	CGA 180937	7.80 EC	2.000 lb/ac	PRE	100	95	0	100	100	95	100	0	100	100	80	93
25B	CYANAZINE	4.00 L	2.000 lb/ac	PRE												
26	CYANAZINE + ATRAZINE	4.00 L	3.000 lb/ac	PRE	100	100	0	100	100	100	100	0	93	100	93	95
27	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	PRE	100	98	0	100	100	98	100	0	98	100	95	100
28A	CYANAZINE + ATRAZINE	4.00 L	3.000 lb/ac	PRE	100	100	3	100	100	100	100	0	98	100	100	100
28B	ATRAZINE	4.00 L	0.500 lb/ac	PRE												
29A	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	100	100
29B	ATRAZINE	4.00 L	0.500 lb/ac	PRE												
30A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	100	100	3	100	100	100	100	0	100	100	98	100
30B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
31A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	98	98
31B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
32A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	100	100	0	100	100	100	100	0	100	100	100	100
32B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
33A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	100	98	3	100	100	98	100	0	100	100	95	100
33B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	ABUTH	CRIN	SETFA	CHEAL	IPOHE	ABUTH
34	TRIDIPHANE	4.00 E	0.750 lb/ac PRE		83	48	0	83	98	0	50	0	73	88	35	43
35A	TRIDIPHANE	4.00 E	0.750 lb/ac PRE		100	98	0	100	100	98	100	0	93	100	98	100
35B	ATRAZINE	4.00 L	1.500 lb/ac PRE													
36	V-53482	50.00 WP	0.044 lb/ac PRE		93	95	5	93	100	95	100	0	85	100	88	100
37	V-53482	50.00 WP	0.055 lb/ac PRE		90	93	8	90	100	90	100	0	85	100	85	93
38	V-53482	50.00 WP	0.066 lb/ac PRE		95	95	18	95	100	95	98	0	88	100	90	95
39	V-53482	50.00 WP	0.088 lb/ac PRE		98	98	25	98	100	98	100	0	90	100	83	95
40A	V-53482	50.00 WP	0.044 lb/ac PRE		100	95	10	100	100	90	100	0	100	100	88	100
40B	METOLACHLOR	8.00 E	2.000 lb/ac PRE													
41A	V-53482	50.00 WP	0.055 lb/ac PRE		100	93	13	100	100	85	100	0	100	100	73	95
41B	METOLACHLOR	8.00 E	2.000 lb/ac PRE													
42A	V-53482	50.00 WP	0.066 lb/ac PRE		100	98	20	100	100	98	100	3	100	100	88	100
42B	METOLACHLOR	8.00 E	2.000 lb/ac PRE													
43A	V-53482	50.00 WP	0.088 lb/ac PRE		100	100	23	100	100	100	100	0	100	100	95	98
43B	METOLACHLOR	8.00 E	2.000 lb/ac PRE													
44	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD(.05) :		4	7	6	4	3	8	15	4	6	5	11	18

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 3  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.4 O.M. : 3.30 %  
 DATE TREATED : PRE MAY 3



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	ABUTH
1	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	88	20	0	88	30	75	25	33
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	93	93	0	93	95	100	95	95
2B	ATRAZINE	4.00 L	1.500 lb/ac	PPI								
3	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	98	33	0	98	25	75	38	55
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	90	90	0	90	93	100	88	88
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI								
5A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	93	98	0	93	100	100	98	98
5B	ATRAZINE	4.00 L	1.500 lb/ac	PPI								
6A	EPTC + R-25788	6.70 E	4.000 lb/ac	PPI	98	90	0	98	98	100	95	93
6B	ATRAZINE	4.00 L	1.500 lb/ac	PPI								
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	83	78	0	83	80	100	80	80
7B	AC 513655	4.80 FL	0.600 lb/ac	PPI								
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	88	88	0	88	83	98	88	90
8B	AC 513655	4.80 FL	0.900 lb/ac	PPI								
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	90	83	0	90	75	100	88	70
9B	AC 513655	4.80 FL	1.200 lb/ac	PPI								
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	98	83	0	98	98	100	75	88
10B	CYANAZINE	4.00 L	2.000 lb/ac	PPI								
11	BUYTL + ATRA 4:1	6.00 ME	5.000 lb/ac	PPI	88	85	0	88	80	98	90	83
12A	ICIA 5676	6.40 E	0.125 lb/ac	SB	90	88	0	90	93	100	93	88
12B	ATRAZINE	4.00 L	1.500 lb/ac	SB								
13A	ICIA 5676	6.40 E	1.500 lb/ac	SB	95	90	0	95	93	100	93	93
13B	ATRAZINE	4.00 L	1.500 lb/ac	SB								
14A	ICIA 5676	6.40 E	1.750 lb/ac	SB	95	90	0	95	85	98	95	93
14B	ATRAZINE	4.00 L	1.500 lb/ac	SB								
15A	ICIA 5676	6.40 E	2.000 lb/ac	SB	95	88	0	95	93	100	85	93
15B	ATRAZINE	4.00 L	1.500 lb/ac	SB								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	ABUTH
16	TRIDIPHANE	4.00 E	1.250 lb/ac	SB	10	8	0	10	8	8	8	8
17A	TRIDIPHANE	4.00 E	1.250 lb/ac	SB	85	95	0	85	93	98	95	100
17B	ATRAZINE	4.00 L	1.500 lb/ac	SB								
18	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
			LSD(.05) :		14	13	0	14	20	10	15	19

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 3  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.30 %  
 DATE TREATED : PPI & SB MAY 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	ABUTH
1	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	85	18	70	30	25
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	90	95	100	95	95
2B	ATRAZINE	4.00 L	1.500 lb/ac	PPI						
3	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	0	98	15	70	25	53
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	0	90	93	100	88	88
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI						
5A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	93	100	100	98	98
5B	ATRAZINE	4.00 L	1.500 lb/ac	PPI						
6A	EPTC + R-25788	6.70 E	4.000 lb/ac	PPI	0	98	98	100	95	93
6B	ATRAZINE	4.00 L	1.500 lb/ac	PPI						
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	80	80	100	80	80
7B	AC 513655	4.80 FL	0.600 lb/ac	PPI						
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	85	83	98	88	90
8B	AC 513655	4.80 FL	0.900 lb/ac	PPI						
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	88	75	100	88	70
9B	AC 513655	4.80 FL	1.200 lb/ac	PPI						
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	98	98	100	73	88
10B	CYANAZINE	4.00 L	2.000 lb/ac	PPI						
11	BUYTL + ATRA 4:1	6.00 ME	5.000 lb/ac	PPI	0	83	85	98	85	83
12A	ICIA 5676	6.40 E	0.125 lb/ac	SB	0	88	93	100	93	88
12B	ATRAZINE	4.00 L	1.500 lb/ac	SB						
13A	ICIA 5676	6.40 E	1.500 lb/ac	SB	0	95	93	100	93	93
13B	ATRAZINE	4.00 L	1.500 lb/ac	SB						
14A	ICIA 5676	6.40 E	1.750 lb/ac	SB	0	95	85	98	95	93
14B	ATRAZINE	4.00 L	1.500 lb/ac	SB						
15A	ICIA 5676	6.40 E	2.000 lb/ac	SB	0	95	93	100	83	93
15B	ATRAZINE	4.00 L	1.500 lb/ac	SB						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CNEAL	IPOHE	ABUTH
16	TRIDIPHANE	4.00 E	1.250 lb/ac SB		0	8	8	5	5	8
17A	TRIDIPHANE	4.00 E	1.250 lb/ac SB		0	80	93	100	98	95
17B	ATRAZINE	4.00 L	1.500 lb/ac SB							
18	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
				LSD(.05) :	0	17	19	9	16	18

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 3  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.30 %  
 DATE TREATED : PPI & SB MAY 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-8 WEEKS AFTER APPLIED-			
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	3	100	100	100	0	98	100	100
1B	DICAMBA	4.00 S	0.500 lb/ac	EP										
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	95	0	100	95	98	0	100	100	98
2B	DICAMBA	4.00 S	0.250 lb/ac	MP										
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	0	100	100	100
3B	2,4-D AMINE	4.00 E	0.500 lb/ac	EP										
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	0	100	100	100
4B	DICAMBA + ATRAZINE	3.20 L	2.800 lb/ac	PRE										
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	20	100	100	100	5	100	100	100
5B	DICAMBA + ATRAZINE	3.20 L	2.800 lb/ac	EP										
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	0	100	100	100
6B	ATRAZINE	4.00 L	1.500 lb/ac	EP										
6C	CROP OIL	0.00 AD	1.000 qt/ac	EP										
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	0	98	100	95
7B	BROMOXYNIL 2	2.00 E	0.375 lb/ac	MP										
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	0	100	100	100
8B	BROMOXYNIL 2	2.00 E	0.375 lb/ac	MP										
8C	ATRAZINE	4.00 L	1.000 lb/ac	MP										
9A	ATRAZINE	4.00 L	1.200 lb/ac	EP	65	100	0	65	100	100	0	40	100	100
9B	CROP OIL	0.00 AD	1.000 qt/ac	EP										
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	93	0	100	93	95	0	100	85	98
10B	CYMAZINE	90.00 DF	2.000 lb/ac	MP										
11A	PENDIMETHALIN	4.00 E	1.000 lb/ac	MP	40	100	13	40	100	100	0	33	100	100
11B	AC 513655	4.80 FL	0.600 lb/ac	MP										
12A	PENDIMETHALIN	4.00 E	1.000 lb/ac	MP	33	100	13	33	100	100	0	25	100	100
12B	AC 513655	4.80 FL	0.450 lb/ac	MP										
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	MP	8	100	10	8	100	100	0	0	100	100
13B	AC 310 448	3.00 EC	0.100 lb/ac	MP										
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	MP	45	100	0	45	100	100	0	15	100	100
14B	ATRAZINE	4.00 L	1.000 lb/ac	MP										

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TABLE C9003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH
15A	AC 310 448	3.00 EC	0.100 lb/ac	MP	43	100	3	43	100	100	0	15	100	100
15B	ATRAZINE	4.00 L	0.500 lb/ac	MP										
16A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	0	100	100	100	0	100	100	100
16B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
16C	ATRAZINE	4.00 L	0.600 lb/ac	EP										
17A	ALACHLOR	4.00 MT	2.400 lb/ac	PRE	100	100	0	100	100	100	0	100	100	100
17B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
17C	ATRAZINE	4.00 L	0.600 lb/ac	EP										
17D	CROP OIL	0.00 AD	1.000 qt/ac	EP										
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	13	100	100	100	0	100	100	93
18B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
18C	CYANAZINE	90.00 DF	0.600 lb/ac	EP										
19A	PYRIDATE	3.75 EC	0.450 lb/ac	EP	63	98	0	63	100	93	0	43	100	100
19B	ATRAZINE	4.00 L	0.600 lb/ac	EP										
20A	TRIDIPHANE	4.00 E	0.500 lb/ac	2LG	78	100	5	78	100	100	0	58	100	100
20B	ATRAZINE	4.00 L	1.500 lb/ac	2LG										
20C	CROP OIL	0.00 AD	1.000 qt/ac	2LG										
21A	TRIDIPHANE	4.00 E	0.500 lb/ac	2LG	80	100	0	80	100	100	0	70	100	100
21B	CYANAZINE	90.00 DF	1.600 lb/ac	2LG										
22A	TRIDIPHANE	4.00 E	0.500 lb/ac	2LG	80	100	8	85	100	100	0	83	100	100
22B	ATRAZINE	4.00 L	0.750 lb/ac	2LG										
22C	CYANAZINE	90.00 DF	0.800 lb/ac	2LG										
23	CLOPYRALID + 2,4-D	2.38 EC	0.298 lb/ac	MP	0	85	0	0	73	98	0	0	100	100
24	CLOPYRALID + 2,4-D	2.38 EC	0.298 lb/ac	POD	0	65	0	0	55	85	0	0	100	100
25	CLOPYRALID + 2,4-D	2.38 EC	0.598 lb/ac	MP	5	88	0	5	80	98	0	3	100	100
26	CLOPYRALID + 2,4-D	2.38 EC	0.598 lb/ac	POD	0	73	0	0	63	83	0	0	90	100
27	CLOPYRALID + 2,4-D	2.38 EC	0.893 lb/ac	MP	0	93	0	0	93	100	0	0	100	100
28	CLOPYRALID + 2,4-D	2.38 EC	0.893 lb/ac	POD	0	70	0	0	65	83	0	0	100	100

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TABLE C9003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH
29A	CGA 136872	75.00 WG	0.027 lb/ac	3LF	65	90	0	70	88	98	0	73	95	98
29B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
30A	CGA 136872	75.00 WG	0.036 lb/ac	3LF	73	80	0	73	80	95	0	83	93	98
30B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
31A	CGA 136872	75.00 WG	0.018 lb/ac	3LF	50	83	0	50	73	95	0	83	88	95
31B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
31C	CGA 136872	75.00 WG	0.018 lb/ac	6LF										
31D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF										
32A	V9360	72.00 DF	0.030 lb/ac	3LF	100	93	0	100	93	95	0	100	95	98
32B	CROP OIL	0.00 AD	1.000 qt/ac	3LF										
33A	V9360	72.00 DF	0.016 lb/ac	3LF	100	80	0	100	78	85	0	98	73	85
33B	CROP OIL	0.00 AD	1.000 qt/ac	3LF										
33C	V9360	72.00 DF	0.016 lb/ac	6LF										
33D	CROP OIL	0.00 AD	1.000 qt/ac	6LF										
34A	V9360	72.00 DF	0.047 lb/ac	3LF	100	98	0	100	95	95	0	100	95	95
34B	CROP OIL	0.00 AD	1.000 qt/ac	3LF										
35A	V9360	72.00 DF	0.023 lb/ac	3LF	100	85	0	100	78	95	0	100	73	75
35B	CROP OIL	0.00 AD	1.000 qt/ac	3LF										
35C	V9360	72.00 DF	0.023 lb/ac	6LF										
35D	CROP OIL	0.00 AD	1.000 qt/ac	6LF										
36A	V9360	72.00 DF	0.030 lb/ac	3LF	100	100	13	100	100	100	0	100	100	100
36B	CYANAZINE	90.00 DF	1.500 lb/ac	3LF										
36C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
37A	V9360	72.00 DF	0.030 lb/ac	3LF	100	100	3	100	100	100	0	98	100	100
37B	ATRAZINE	4.00 L	1.500 lb/ac	3LF										
37C	CROP OIL	0.00 AD	1.000 qt/ac	3LF										
38A	V9360	72.00 DF	0.030 lb/ac	3LF	100	95	0	100	98	98	0	98	98	90
38B	2,4-D AMINE	4.00 E	0.250 lb/ac	3LF										
38C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
39A	CGA 136872	75.00 WG	0.027 lb/ac	3LF	83	100	8	83	100	100	0	68	98	98
39B	CYANAZINE	90.00 DF	1.500 lb/ac	3LF										
39C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										

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TABLE C9003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-8 WEEKS AFTER APPLIED-					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH		
40A	CGA 136872	75.00 WG	0.027 lb/ac	3LF	73	100	0	73	100	100	0	75	100	100		
40B	ATRAZINE	4.00 L	1.500 lb/ac	3.F												
40C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF												
41A	CGA 136872	75.00 WG	0.027 lb/ac	3LF	60	93	0	60	93	95	0	73	98	95		
41B	2,4-D AMINE	4.00 E	0.250 lb/ac	3LF												
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF												
42A	KIH 2665	50.00 W	0.075 lb/ac	3LF	75	100	5	80	100	100	18	58	100	100		
42B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF												
43A	KIH 2665	50.00 W	0.100 lb/ac	3LF	83	100	5	83	100	100	0	83	100	98		
43B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF												
44	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	0	100	100	100		
			LSD(.05) :		16	6	5	17	8	9	NS	21	9	NS		

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 3  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.4 O.M. : 3.50 %  
 DATE TREATED : PRE MAY 3  
 EP MAY 27,30  
 MP JUNE 1  
 2LG MAY 30  
 POD JUNE 7  
 3LF MAY 30  
 6LF JUNE 8



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TABLE C9004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	ERICA	CRIN	SETFA	CHEAL	IPOHE	ERICA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	75	78	0	95	93	95	50	0	93	95	95	55
1B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
2A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	95	80	0	95	95	93	48	0	95	95	93	60
2B	ATRAZINE	4.00 L	1.000 lb/ac	PRE												
2C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
3A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	88	83	0	88	95	90	75	0	85	98	93	80
3B	ATRAZINE	4.00 L	1.000 lb/ac	PRE												
3C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
4A	ICIA 5676	6.40 E	2.500 lb/ac	PRE	83	73	0	83	90	88	40	0	88	95	78	45
4B	ATRAZINE	4.00 L	1.000 lb/ac	PRE												
4C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
5A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	88	93	0	88	98	90	90	0	88	100	90	85
5B	ATRAZINE	4.00 L	1.000 lb/ac	PRE												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
6A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	90	85	0	90	98	90	73	0	88	93	73	78
6B	ATRAZINE	4.00 L	1.000 lb/ac	PRE												
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
7A	ICIA 5676	6.40 E	2.500 lb/ac	PRE	88	83	0	88	88	98	73	0	85	90	93	80
7B	ATRAZINE	4.00 L	1.000 lb/ac	PRE												
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
8A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	90	93	0	90	100	100	75	0	93	98	100	85
8B	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE												
8C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
9A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	90	98	0	90	100	100	98	0	90	100	90	98
9B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE												
9C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												

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TABLE C9004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	ERICA	CRIN	SETFA	CHEAL	IPOHE	ERICA
10A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	88	93	0	88	100	98	85	0	88	100	98	90
10B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
10C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
11A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	88	90	0	88	100	95	73	0	90	100	93	80
11B	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE												
11C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
11D	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE												
12A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	93	88	0	93	95	98	78	0	88	98	90	85
12B	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE												
12C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	PRE												
13A	ALACHLOR EC + ATRAZ	4.00 FL	4.000 lb/ac	PRE	90	85	0	90	100	95	75	0	90	100	90	80
13B	GLYPHOSATE	4.00 E	0.500 lb/ac	PRE												
13C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
14A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	90	95	0	90	100	100	80	0	93	100	93	85
14B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
15A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	90	85	0	90	100	100	55	0	90	98	95	60
15B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
15C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
16A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	90	93	0	90	100	88	88	0	90	98	98	90
16B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
16C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
17A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	85	80	0	85	90	48	100	0	88	100	70	100
17B	GLYPHOSATE	4.00 E	2.000 lb/ac	+4H												
18	GLYPHOSATE	4.00 E	2.000 lb/ac	PRE	0	35	0	0	10	0	100	0	0	33	20	100
19A	MON 20009	79.30 WDG	2.100 lb/ac	PRE	90	90	0	90	100	98	80	0	90	100	98	85
19B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE												
20A	MON 20009	79.30 WDG	2.800 lb/ac	PRE	93	95	0	93	100	100	88	0	88	100	93	90
20B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE												
21A	MON 20009	79.30 WDG	2.100 lb/ac	PRE	90	95	0	90	100	93	100	0	93	100	90	100
21B	MON 9828	67.00 WDG	2.500 lb/ac	PRE												

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TABLE C9004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	ERICA	CRIN	SETFA	CHEAL	IPOHE	ERICA
22A	MON 20009	79.30 WDG	2.800 lb/ac	PRE	88	93	0	88	100	98	85	0	90	100	90	85
22B	MON 9828	67.00 WDG	2.500 lb/ac	PRE												
23A	MON 20009	79.30 WDG	2.800 lb/ac	PRE	88	93	0	88	100	98	85	0	90	100	90	85
23B	MON 9828	67.00 WDG	2.500 lb/ac	PRE												
24	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	PRE	88	93	0	88	100	100	80	0	88	100	95	85
25A	PARAQUAT	1.50 S	0.250 lb/ac	PRE	55	83	0	55	95	98	58	0	63	98	95	65
25B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
25C	PYRIDATE	3.75 EC	0.450 lb/ac	EP												
25D	ATRAZINE	4.00 L	0.600 lb/ac	EP												
25E	CROP OIL	0.00 AD	1.000 qt/ac	EP												
26A	PARAQUAT	1.50 S	0.250 lb/ac	PRE	68	93	0	68	98	100	83	0	83	100	95	80
26B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
26C	PYRIDATE	3.75 EC	0.900 lb/ac	EP												
26D	ATRAZINE	4.00 L	1.200 lb/ac	EP												
26E	CROP OIL	0.00 AD	1.000 qt/ac	EP												
27A	PARAQUAT	1.50 S	0.250 lb/ac	PRE	80	88	5	80	95	93	80	3	88	98	88	85
27B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
27C	PYRIDATE	3.75 EC	0.450 lb/ac	EP												
27D	CYANAZINE	80.00 WP	0.600 lb/ac	EP												
28A	PARAQUAT	1.50 S	0.250 lb/ac	PRE	100	100	0	100	100	100	100	0	93	100	98	100
28B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
28C	CYANAZINE	4.00 L	2.000 lb/ac	PRE												
28D	TRIDIPHANE	4.00 E	0.500 lb/ac	14D												
28E	ATRAZINE	4.00 L	1.500 lb/ac	14D												
28F	CROP OIL	0.00 AD	1.000 qt/ac	14D												
29A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	78	95	0	80	100	98	98	0	83	100	95	100
29B	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
29C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
29D	DICAMBA	4.00 S	0.500 lb/ac	EP												
30A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	80	95	10	80	100	93	95	3	85	100	95	95
30B	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
30D	DICAMBA + ATRAZINE	3.20 L	2.800 lb/ac	EP												
			LSD(.05) :		17	14	3	14	10	17	30	NS	14	13	25	28

LOCATION : SPINDLETOP  
FERTILIZER APPLIED (LB/ACRE): 250 N,  
DATE PLANTED : MAY 8  
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
60 P, 60 K, pH : 6.5 O.M. : 4.50 %  
DATE TREATED : PRE,+4H MAY 8  
14D MAY 22  
EP MAY 30

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TABLE C9005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-		-7D-		-28D-		-56D-		
					CRIN	SETFA	ABUTH	CRIN	SETFA	ABUTH	CRIN	SETFA	ABUTH
1A	V-53482	50.00 WP	0.044 lb/ac	PRE	50	98	100	35	90	88	13	88	83
1B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
1C	RE 45601	2.00 EC	0.100 lb/ac	PRE									
1D	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
2A	V-53482	50.00 WP	0.055 lb/ac	PRE	40	100	100	25	98	98	8	90	95
2B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
2C	RE 45601	2.00 EC	0.100 lb/ac	PRE									
2D	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
3A	V-53482	50.00 WP	0.066 lb/ac	PRE	65	98	100	45	95	95	15	93	88
3B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
3C	RE 45601	2.00 EC	0.100 lb/ac	PRE									
3D	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
4A	V-53482	50.00 WP	0.088 lb/ac	PRE	73	100	100	53	95	95	23	93	93
4B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
4C	RE 45601	2.00 EC	0.100 lb/ac	PRE									
4D	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
5A	V-53482	50.00 WP	0.044 lb/ac	PRE	55	93	100	33	80	95	13	60	95
5B	RE 45601	2.00 EC	0.100 lb/ac	PRE									
5C	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
6A	V-53482	50.00 WP	0.055 lb/ac	PRE	55	95	100	38	78	98	13	45	90
6B	RE 45601	2.00 EC	0.100 lb/ac	PRE									
6C	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
7A	V-53482	50.00 WP	0.066 lb/ac	PRE	65	95	100	43	75	98	18	48	95
7B	RE 45601	2.00 EC	0.100 lb/ac	PRE									
7C	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
8A	V-53482	50.00 WP	0.088 lb/ac	PRE	58	98	100	35	80	93	15	58	93
8B	RE 45601	2.00 EC	0.100 lb/ac	PRE									
8C	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
9A	V-53482	50.00 WP	0.044 lb/ac	PRE	50	98	100	40	90	95	18	85	88
9B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
10A	V-53482	50.00 WP	0.055 lb/ac	PRE	65	100	100	43	90	90	18	85	83
10B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									

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TABLE C9005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----7D-----	-----28D-----	-----56D-----					
					CRIN	SETFA	ABUTH	CRIN	SETFA	ABUTH	CRIN	SETFA	ABUTH
11A	V-53482	50.00 WP	0.066 lb/ac	PRE	50	100	100	30	88	93	13	85	93
11B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
12A	V-53482	50.00 WP	0.088 lb/ac	PRE	68	100	100	45	88	93	18	83	88
12B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
12C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	15	98	100	10	90	90	3	88	88
13B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
13C	PARAQUAT	1.50 S	0.280 lb/ac	PRE									
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
14A	RE 45601	2.00 EC	0.100 lb/ac	PRE	5	75	78	3	60	78	0	13	70
14B	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
15A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	78	88	0	63	83	0	18	78
15B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
16A	V-53482	50.00 WP	0.044 lb/ac	PRE	18	78	95	13	65	95	8	10	95
16B	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
17A	V-53482	50.00 WP	0.055 lb/ac	PRE	43	85	98	28	68	95	5	25	93
17B	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
18A	V-53482	50.00 WP	0.066 lb/ac	PRE	28	88	98	15	68	95	5	23	95
18B	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
19A	V-53482	50.00 WP	0.088 lb/ac	PRE	63	85	95	45	65	90	18	13	90
19B	CROP OIL	0.00 AD	1.000 qt/ac	PRE									
20A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	5	93	95	3	93	93	0	90	90
20B	ATRAZINE	4.00 L	1.600 lb/ac	PRE									
20C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
20D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
LSD(.05) :					23	10	5	17	13	8	9	18	11

LOCATION : SPINDLETOP  
FERTILIZER APPLIED (LB/ACRE): 250 N,  
DATE PLANTED : MAY 8  
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
60 P, 60 K, pH : 6.3 O.M. : 3.50 %  
DATE TREATED : PRE MAY 8

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TABLE C9006 CORN NO-TILL EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	IPOHE	ABUTH	CRIN	DIGSA	SETFA	IPOHE	ABUTH
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	77	80	0	97	93	83	83	0	93	93	67	80
1B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
1C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
1D	X-77 (SURFACTANT)	0.50 WA	2.500 %	PRE												
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	93	90	0	97	97	87	90	0	90	90	87	90
2B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
2C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
3A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	83	90	0	80	93	87	90	0	77	90	80	83
3B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
4A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	EPP	80	93	0	77	80	90	93	0	70	77	83	93
4B	2,4-D AMINE	4.00 E	1.000 lb/ac	EPP												
5A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	EPP	83	83	0	77	87	80	83	0	70	80	80	77
5B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
6	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	EPP	53	37	0	50	47	30	37	0	50	40	20	33
7	CYANAZINE + ATRAZINE	4.00 L	3.000 lb/ac	EPP	50	43	0	43	57	33	57	0	33	43	27	47
8	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	EPP	40	57	0	43	17	67	50	0	40	13	50	47
9A	CYANAZINE + ATRAZINE	4.00 L	3.000 lb/ac	EPP	60	67	0	57	67	77	83	0	50	53	63	80
9B	ATRAZINE	4.00 L	0.500 lb/ac	EPP												
10A	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	EPP	77	87	0	67	80	80	90	0	67	83	70	83
10B	ATRAZINE	4.00 L	0.500 lb/ac	EPP												
11A	ICIA 5676	6.40 E	1.500 lb/ac	EPP	60	80	0	50	70	73	83	0	40	67	67	73
11B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
11C	PARAQUAT	1.50 S	0.380 lb/ac	EPP												
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP												
12A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	47	73	0	37	47	67	80	0	30	33	53	70
12B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
12C	PARAQUAT	1.50 S	0.380 lb/ac	EPP												
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP												



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TABLE C9006 CORN NO-TILL EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	DIGSA	SETFA	IPOHE	ABUTH	CRIN	DIGSA	SETFA	IPOHE	ABUTH
13A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	77	60	0	67	83	53	70	0	67	80	43	70
13B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
13C	PARAQUAT	1.50 S	0.380 lb/ac	EPP												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP												
14A	ICIA 5676	6.40 E	1.500 lb/ac	EPP	60	57	0	50	70	53	63	0	40	70	43	57
14B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
14C	GLYPHOSATE	4.00 E	0.500 lb/ac	EPP												
15A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	67	67	0	67	67	67	77	0	67	57	60	77
15B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
15C	GLYPHOSATE	4.00 E	0.500 lb/ac	EPP												
16A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	80	77	0	77	80	77	87	0	73	67	60	87
16B	ATRAZINE	4.00 L	1.000 lb/ac	EPP												
16C	GLYPHOSATE	4.00 E	0.500 lb/ac	EPP												
LSD(.05) :					12	11	0	17	14	19	19	0	16	17	23	24

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 8  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
 DATE TREATED : EPP APRIL 21  
 PRE MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9009 NO-TILL CORN IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--	-----28D-----			-----56D-----			
					TRZAX	TRZAX	SETFA	CHEAL	AMARE	SETFA	CHEAL	AMARE
1A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	80	85	0	28	28	100	90	90
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
2A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	90	93	0	23	23	100	88	90
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
3A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	90	90	0	25	25	100	85	95
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
4A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	98	100	0	20	25	100	90	90
4B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
5A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	93	100	100	100	100	100	100	100
5B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
5C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
6A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	90	100	100	100	100	100	100	100
6B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
6C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
7A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	98	100	100	100	100	100	100	100
7B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
7C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
8A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	100	100	100	100	100	100	100	100
8B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
8C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
9A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	85	100	95	100	100	95	100	100
9B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TI								
9C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
10A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	90	100	93	100	100	93	100	100
10B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL								
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
11A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	98	100	98	100	100	98	100	100
11B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL								
11C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
12A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	98	100	98	100	100	98	100	100
12B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL								
12C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								

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TABLE C9009 NO-TILL CORN IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D-	-----28D-----			-----56D-----			
					TRZAX	TRZAX	SETFA	CHEAL	AMARE	SETFA	CHEAL	AMARE
13	ATRAZINE	4.00 L	2.000 lb/ac	TIL	35	93	88	98	98	88	98	98
14	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL	40	100	90	98	98	95	98	98
15A	GLYPHOSATE	4.00 E	1.500 lb/ac	TIL	75	100	100	100	100	100	100	100
15B	METOLACHLOR	8.00 E	2.500 lb/ac	TIL								
15C	ATRAZINE	4.00 L	2.000 lb/ac	TIL								
16	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0
17A	PARAQUAT	1.50 S	0.250 lb/ac	BT	78	85	100	90	88	100	90	93
17B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
18A	PARAQUAT	1.50 S	0.375 lb/ac	BT	90	90	100	93	70	100	90	90
18B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
19A	PARAQUAT	1.50 S	0.500 lb/ac	BT	90	93	100	93	93	100	93	93
19B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
20A	PARAQUAT	1.50 S	0.625 lb/ac	BT	95	95	100	98	98	100	98	98
20B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
21A	PARAQUAT	1.50 S	0.250 lb/ac	BT	75	83	100	100	100	100	100	100
21B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
21C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
22A	PARAQUAT	1.50 S	0.375 lb/ac	BT	80	83	100	100	100	100	100	100
22B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
23A	PARAQUAT	1.50 S	0.500 lb/ac	BT	88	78	98	100	100	98	100	100
23B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
23C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
24A	PARAQUAT	1.50 S	0.625 lb/ac	BT	85	88	100	100	100	100	100	100
24B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
24C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
25A	PARAQUAT	1.50 S	0.250 lb/ac	BT	70	93	100	100	100	100	100	100
25B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT								
25C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								

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TABLE C9009 NO-TILL CORN IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--			-28D-----			-----56D-----		
					TRZAX	TRZAX	SETFA	CHEAL	AMARE	SETFA	CHEAL	AMARE	
26A	PARAQUAT	1.50 S	0.375 lb/ac	BT	80	98	98	100	100	98	100	100	
26B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT									
26C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
27A	PARAQUAT	1.50 S	0.500 lb/ac	BT	85	98	98	100	100	98	100	100	
27B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT									
27C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
28A	PARAQUAT	1.50 S	0.625 lb/ac	BT	88	95	98	100	100	100	100	100	
28B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT									
28C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
29	ATRAZINE	4.00 L	2.000 lb/ac	BT	15	23	80	98	98	80	98	98	
30	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT	35	55	90	98	98	93	98	98	
31A	GLYPHOSATE	4.00 E	1.500 lb/ac	BT	55	100	100	100	100	100	100	100	
31B	METOLACHLOR	8.00 E	2.500 lb/ac	BT									
31C	ATRAZINE	4.00 L	2.000 lb/ac	BT									
32	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	
			LSD(.05) :		9	10	18	13	14	7	6	5	

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : APRIL 28  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.20 %  
 DATE TREATED : TILL- APRIL 5  
 BOOT APRIL 27

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TABLE C9010 NO-TILL CORN IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--		-----28D-----			-----56D-----		
					SECCE	SECCE	SETFA	CHEAL	AMARE	SETFA	CHEAL	AMARE
1A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	85	50	0	55	60	100	80	80
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
2A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	83	68	0	0	10	100	80	90
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
3A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	88	80	0	18	38	100	85	83
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
4A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	90	78	0	0	20	100	83	90
4B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
5A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	83	93	100	100	100	100	100	100
5B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
5C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
6A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	88	100	93	100	100	93	100	100
6B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
6C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
7A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	95	100	85	100	98	90	100	98
7B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
7C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
8A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	95	100	100	100	98	100	100	98
8B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	TIL								
8C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
9A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	80	100	78	100	90	78	100	93
9B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TI								
9C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
10A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	90	100	63	100	98	63	100	98
10B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL								
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
11A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	90	100	88	100	98	88	100	98
11B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL								
11C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
12A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	93	100	73	100	100	73	100	100
12B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL								
12C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								

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TABLE C9010 NO-TILL CORN IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--	-----28D-----				-----56D-----		
					SECCE	SECCE	SETFA	CHEAL	AMARE	SECCE	CHEAL	AMARE
13	ATRAZINE	4.00 L	2.000 lb/ac	TIL	43	53	35	95	95	35	95	95
14	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	TIL	55	85	78	95	95	83	98	98
15A	GLYPHOSATE	4.00 E	1.500 lb/ac	TIL	70	100	100	100	98	100	100	98
15B	METOLACHLOR	8.00 E	2.500 lb/ac	TIL								
15C	ATRAZINE	4.00 L	2.000 lb/ac	TIL								
16	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0
17A	PARAQUAT	1.50 S	0.250 lb/ac	BT	95	100	5	93	75	100	85	95
17B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
18A	PARAQUAT	1.50 S	0.375 lb/ac	BT	95	100	0	85	98	100	80	95
18B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
19A	PARAQUAT	1.50 S	0.500 lb/ac	BT	95	98	0	95	95	100	93	95
19B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
20A	PARAQUAT	1.50 S	0.625 lb/ac	BT	100	100	0	95	100	100	93	100
20B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
21A	PARAQUAT	1.50 S	0.250 lb/ac	BT	95	95	100	100	100	100	100	100
21B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
21C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
22A	PARAQUAT	1.50 S	0.375 lb/ac	BT	95	98	100	100	100	100	100	100
22B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
23A	PARAQUAT	1.50 S	0.500 lb/ac	BT	100	100	100	100	100	100	100	100
23B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
23C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
24A	PARAQUAT	1.50 S	0.625 lb/ac	BT	100	100	98	100	100	98	100	100
24B	METALACHLOR + ATRAZI	6.00 L	4.500 lb/ac	BT								
24C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
25A	PARAQUAT	1.50 S	0.250 lb/ac	BT	88	93	98	100	100	98	100	100
25B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT								
25C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								

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TABLE C9010 NO-TILL CORN IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D-			-----28D-----			-----56D-----		
					SECCE	SECCE	SETFA	CHEAL	AMARE	SECCE	SECCE	SETFA	CHEAL
26A	PARAQUAT	1.50 S	0.375 lb/ac	BT	98	100	93	100	100	95	100	100	
26B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT									
26C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
27A	PARAQUAT	1.50 S	0.500 lb/ac	BT	98	100	95	100	100	95	100	100	
27B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT									
27C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
28A	PARAQUAT	1.50 S	0.625 lb/ac	BT	98	98	98	100	100	98	100	100	
28B	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT									
28C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
29	ATRAZINE	4.00 L	2.000 lb/ac	BT	25	38	83	95	95	83	98	98	
30	CYANAZINE + ATRAZINE	4.00 L	4.000 lb/ac	BT	30	35	100	98	98	100	100	100	
31A	GLYPHOSATE	4.00 E	1.500 lb/ac	BT	63	98	100	100	100	100	100	100	
31B	METOLACHLOR	8.00 E	2.500 lb/ac	BT									
31C	ATRAZINE	4.00 L	2.000 lb/ac	BT									
32	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	
			LSD(.05) :		11	12	18	13	15	17	8	9	

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : APRIL 28  
 VARIETY : PIONEER 3320

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 4.50 %  
 DATE TREATED : TILL- APRIL 5  
 BOOT-APRIL 27

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TABLE C9007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	SORVU	CRIN	SORVU
1	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	73	0	55
2	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	63	0	50
3A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	75	0	70
3B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
4A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	70	0	58
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
5A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	73	0	68
5B	ATRAZINE	4.00 L	1.600 lb/ac	PPI				
6	BUYTL + ATRA 4:1	6.00 ME	8.000 lb/ac	PPI	0	78	0	68
7A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	0	98	0	93
7B	CGA 136872	75.00 WG	0.018 lb/ac	LP				
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
8A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	0	100	0	100
8B	CGA 136872	75.00 WG	0.027 lb/ac	LP				
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
9A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	3	98	0	98
9B	CGA 136872	75.00 WG	0.036 lb/ac	LP				
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
10A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	3	98	0	95
10B	CGA 136872	75.00 WG	0.018 lb/ac	EP				
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
10D	CGA 136872	75.00 WG	0.018 lb/ac	LP				
10E	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
11A	KIH 2665	50.00 W	0.050 lb/ac	5LF	13	93	0	93
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LF				
12A	KIH 2665	50.00 W	0.075 lb/ac	5LF	25	93	0	93
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LF				
13A	KIH 2665	50.00 W	0.100 lb/ac	5LF	30	98	0	93
13B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LF				



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TABLE C9007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORVU	CRIN	SORVU
14A	KIH 2665	50.00 W	0.125 lb/ac	5LF	25	98	0	90
14B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LF				
15A	ICIA 5676	6.40 E	2.000 lb/ac	SB	0	60	0	48
15B	ATRAZINE	4.00 L	1.500 lb/ac	SB				
16A	ICIA 5676	6.40 E	2.250 lb/ac	SB	3	63	0	48
16B	ATRAZINE	4.00 L	1.500 lb/ac	SB				
17A	ICIA 5676	6.40 E	2.500 lb/ac	SB	0	73	0	65
17B	ATRAZINE	4.00 L	1.500 lb/ac	SB				
18A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	3	80	0	73
18B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
19A	ICIA 5676	6.40 E	2.250 lb/ac	PRE	3	78	0	78
19B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
20A	ICIA 5676	6.40 E	2.500 lb/ac	PRE	3	88	0	80
20B	ATRAZINE	4.00 L	1.500 lb/ac	PRE				
21A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	3	85	0	88
21B	TRIDIPHANE	4.00 E	0.500 lb/ac	2LC				
21C	ATRAZINE	4.00 L	2.000 lb/ac	2LC				
21D	CROP OIL	0.00 AD	1.000 qt/ac	2LC				
22A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	5	88	0	78
22B	TRIDIPHANE	4.00 E	0.750 lb/ac	2LC				
22C	ATRAZINE	4.00 L	2.000 lb/ac	2LC				
22D	CROP OIL	0.00 AD	1.000 qt/ac	2LC				
23A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	3	88	0	83
23B	TRIDIPHANE	4.00 E	0.750 lb/ac	2LC				
23C	ATRAZINE	4.00 L	2.000 lb/ac	2LC				
23D	CROP OIL	0.00 AD	1.000 qt/ac	2LC				
24A	ATRAZINE	4.00 L	1.000 lb/ac	PRE	3	95	0	95
24B	V9360	72.00 DF	0.031 lb/ac	LP				
24C	CROP OIL	0.00 AD	1.000 qt/ac	LP				
25A	ATRAZINE	4.00 L	1.000 lb/ac	PRE	0	95	0	95
25B	V9360	72.00 DF	0.047 lb/ac	LP				
25C	CROP OIL	0.00 AD	1.000 qt/ac	LP				

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TABLE C9007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORVU	CRIN	SORVU
26A	ATRAZINE	4.00 L	1.000 lb/ac	PRE	5	93	0	90
26B	V9360	72.00 DF	0.016 lb/ac	EP				
26C	CROP OIL	0.00 AD	1.000 qt/ac	EP				
26D	V9360	72.00 DF	0.016 lb/ac	LP				
26E	CROP OIL	0.00 AD	1.000 qt/ac	LP				
LSD(.05) :					7	15	0	16

LOCATION : SOUTH FARM  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 4  
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.00 %  
 DATE TREATED : PPI,PRE,SB MAY 4  
 EP MAY 25  
 LP JUNE 6  
 2LC MAY 25  
 5LC JUNE 6

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TABLE C9008 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	SORHA	CRIN	SORHA
1A	V9360	72.00 DF	0.031 lb/ac	6LF	3	88	0	88
1B	CROP OIL	0.00 AD	1.000 qt/ac	6LF				
2A	V9360	72.00 DF	0.047 lb/ac	6LF	0	83	0	83
2B	CROP OIL	0.00 AD	1.000 qt/ac	6LF				
3A	V9360	72.00 DF	0.063 lb/ac	6LF	0	93	0	95
3B	CROP OIL	0.00 AD	1.000 qt/ac	6LF				
4A	V9360	72.00 DF	0.016 lb/ac	6LF	3	88	0	90
4B	CROP OIL	0.00 AD	1.000 qt/ac	6LF				
4C	V9360	72.00 DF	0.016 lb/ac	4LF				
4D	CROP OIL	0.00 AD	0.016 qt/ac	4LF				
5A	CGA 136872	75.00 WG	0.018 lb/ac	6LF	3	75	0	68
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
6A	CGA 136872	75.00 WG	0.027 lb/ac	6LF	0	75	0	75
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
7A	CGA 136872	75.00 WG	0.036 lb/ac	6LF	5	80	0	73
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
8A	CGA 136872	75.00 WG	0.018 lb/ac	6LF	0	80	0	85
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
8C	CGA 136872	75.00 WG	0.018 lb/ac	4LF				
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4LF				
9A	KIH 2665	50.00 W	0.050 lb/ac	6LF	3	73	0	68
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
10A	KIH 2665	50.00 W	0.075 lb/ac	6LF	10	85	0	78
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
11A	KIH 2665	50.00 W	0.100 lb/ac	6LF	20	80	0	70
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
12A	KIH 2665	50.00 W	0.050 lb/ac	6LF	13	88	0	90
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LF				
12C	KIH 2665	50.00 W	0.050 lb/ac	4LF				
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	4LF				
LSD(.05) :					11	9	0	14

LOCATION : SPINDLETOP FARM  
FERTILIZER APPLIED (LB/ACRE): 250 N,  
DATE PLANTED : MAY 3  
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM  
60 P, 60 K, pH : 6.5  
DATE TREATED : 6LF JUNE 1  
+4LF JUNE 21

O.M. : 3.40 %

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TABLE S9011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	PHBPU	HELAN
1	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	30	0	90	53	23	28	5
2	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	8	100	8	3	100	10	15	10	5
3	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE	13	43	70	0	43	98	65	35	95
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	8	95	85	0	95	100	88	85	90
4B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PRE									
5	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	0	70	80	0	70	100	80	78	90
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	10	98	60	0	98	98	45	53	55
6B	LINURON	50.00 DF	1.000 lb/ac	PRE									
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	93	75	3	93	100	55	45	95
7B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE									
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	10	90	80	3	90	100	75	68	95
8B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
9	IMAZETHAPYR + PENDIM	3.00 E	0.095 lb/ac	PRE	0	10	18	0	10	43	10	10	5
10	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	85	83	0	88	100	83	85	93
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	15	95	88	3	95	98	90	90	90
11B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	23	100	88	0	98	100	80	80	93
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
13A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	8	100	88	3	100	100	88	83	93
13B	CHLOR. + METRI. 1:6	75.00 DF	0.240 lb/ac	PRE									
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	80	85	0	80	100	88	85	93
14B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	8	88	88	0	88	100	93	90	90
15B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
16	METALACHLOR + METRIB	8.00 EC	2.750 lb/ac	PRE	0	100	70	3	100	100	55	23	95
17A	METALACHLOR + METRIB	8.00 EC	2.750 lb/ac	PRE	8	95	93	0	95	100	95	93	100
17B	IMAZETHAPYR	2.00 AS	0.140 lb/ac	PRE									

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TABLE S9011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	PHBPU	HELAN
18A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	8	88	83	0	88	100	90	80	88
18B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
19A	MON 9828	67.00 WDG	2.250 lb/ac	PRE	8	93	85	0	93	100	85	75	90
19B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
20A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	10	85	85	0	85	100	88	78	93
20B	CHLORIM + LINURON	60.00 DF	0.565 lb/ac	PRE									
21A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	8	90	90	0	90	100	83	85	100
21B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
22A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	10	90	80	0	90	100	83	75	93
22B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PRE									
23A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	28	88	93	0	88	100	95	95	98
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
24A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	18	95	85	0	95	100	93	88	85
24B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
25A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	5	98	95	3	98	100	95	93	100
25B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
26A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	15	100	85	10	100	93	85	88	95
26B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP									
26C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
27	MON 9828	67.00 WDG	2.500 lb/ac	PRE	8	100	15	0	100	30	28	8	10
28	V-53482	50.00 WP	0.044 lb/ac	PRE	33	45	65	0	45	80	70	55	63
29	V-53482	50.00 WP	0.055 lb/ac	PRE	25	55	73	0	53	93	75	68	70
30	V-53482	50.00 WP	0.066 lb/ac	PRE	40	65	85	0	70	100	85	85	83
31	V-53482	50.00 WP	0.088 lb/ac	PRE	50	75	85	0	75	98	93	85	85
32A	V-53482	50.00 WP	0.044 lb/ac	PRE	40	90	80	3	90	100	78	75	73
32B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
33A	V-53482	50.00 WP	0.055 lb/ac	PRE	40	88	80	5	88	100	85	78	85
33B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									

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TABLE S9011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	CNEAL	IPOHE	PHBPU	HELAN
34A	V-53482	50.00 WP	0.066 lb/ac	PRE	40	90	80	10	90	100	83	73	80
34B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
35A	V-53482	50.00 WP	0.088 lb/ac	PRE	70	95	85	13	95	100	88	83	90
35B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
36	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	100	100	100
LSD(.05) :					12	11	12	5	12	15	22	26	13

LOCATION : SPINDLETP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %  
 DATE TREATED : PRE MAY 12  
 MP JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	PHBPU	HELAN
1	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	48	10	15	0
2	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	10	15	10	0
3	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE	0	20	98	28	15	93
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	100	78	68	88
4B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PRE						
5	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	0	45	100	75	75	88
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	98	98	28	30	28
6B	LINURON	50.00 DF	1.000 lb/ac	PRE						
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	90	100	38	18	95
7B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE						
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	85	100	60	58	83
8B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
9	IMAZETHAPYR + PENDIM	3.00 E	0.095 lb/ac	PRE	0	3	25	0	0	0
10	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	85	100	80	63	85
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	95	98	78	80	90
11B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	98	100	80	80	88
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
13A	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	0	98	100	80	80	93
13B	CHLOR. + METRI. 1:6	75.00 DF	0.240 lb/ac	PRE						
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	73	100	73	70	93
14B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	83	100	80	80	83
15B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
16	METALACHLOR + METRIB	8.00 EC	2.750 lb/ac	PRE	3	98	100	15	18	95
17A	METALACHLOR + METRIB	8.00 EC	2.750 lb/ac	PRE	0	95	100	90	85	98
17B	IMAZETHAPYR	2.00 AS	0.140 lb/ac	PRE						



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	PHBPU	HELAN
18A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	0	83	100	70	60	90
18B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE						
19A	MON 9828	67.00 WDG	2.250 lb/ac	PRE	0	88	100	75	70	83
19B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE						
20A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	0	80	100	78	65	85
20B	CHLORIM + LINURON	60.00 DF	0.565 lb/ac	PRE						
21A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	0	88	100	78	78	98
21B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE						
22A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	0	83	100	68	50	93
22B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PRE						
23A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	0	83	100	88	83	95
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
24A	MON 9828	67.00 WDG	2.000 lb/ac	PRE	0	90	100	80	85	83
24B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
25A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	98	100	90	78	100
25B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
26A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	13	98	83	75	75	95
26B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
26C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
27	MON 9828	67.00 WDG	2.500 lb/ac	PRE	0	73	30	13	0	5
28	V-53482	50.00 WP	0.044 lb/ac	PRE	0	28	80	58	48	53
29	V-53482	50.00 WP	0.055 lb/ac	PRE	0	25	88	58	53	55
30	V-53482	50.00 WP	0.066 lb/ac	PRE	0	35	98	73	85	75
31	V-53482	50.00 WP	0.088 lb/ac	PRE	0	58	98	73	70	83
32A	V-53482	50.00 WP	0.044 lb/ac	PRE	3	83	100	63	58	65
32B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
33A	V-53482	50.00 WP	0.055 lb/ac	PRE	5	85	100	85	78	73
33B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	PHBPU	HELAN
34A	V-53482	50.00 WP	0.066 lb/ac	PRE	10	88	98	75	63	73
34B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
35A	V-53482	50.00 WP	0.088 lb/ac	PRE	8	95	100	78	63	80
35B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
36	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					3	17	15	23	24	14

LOCATION : SPINDLETP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %  
 DATE TREATED : PRE MAY 12  
 MP JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
1A	TRIFLURALIN	4.00 E	1.000 lb/ac PPI		93	90	5	90	100	95	100	90	100	90
1B	METRIBUZIN 1	4.00 F	0.500 lb/ac PPI											
2A	ALACHLOR	4.00 MT	2.500 lb/ac PPI		90	75	3	90	98	83	100	53	100	90
2B	METRIBUZIN 1	4.00 F	0.500 lb/ac PPI											
3	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac PPI		98	93	8	98	98	100	100	98	100	90
4	IMAZETHAPYR	2.00 AS	0.063 lb/ac PPI		88	93	5	85	98	100	100	95	100	85
5A	METOLACHLOR	8.00 E	2.000 lb/ac PPI		100	85	5	100	100	100	100	90	100	88
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac PPI											
6A	ALACHLOR	4.00 MT	2.500 lb/ac PPI		95	88	5	93	100	95	100	98	98	85
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac PPI											
7A	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		100	98	15	100	100	100	100	95	100	100
7B	IMAZAQUIN	1.50 AS	0.125 lb/ac PPI											
8A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac PPI		100	100	10	98	100	98	100	100	100	100
8B	CHLOR. + METRI. 1:6	75.00 DF	0.180 lb/ac PPI											
9A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac PPI		100	98	10	100	100	100	100	95	100	95
9B	CHLOR. + METRI. 1:6	75.00 DF	0.240 lb/ac PPI											
10A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac PPI		100	100	10	100	100	100	100	98	100	98
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac PPI											
11A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac PPI		100	93	3	100	100	100	100	93	100	90
11B	IMAZAQUIN	1.50 AS	0.060 lb/ac PPI											
12A	TRIFLUR. + CLOMAZONE	5.25 EC	1.000 lb/ac PPI		100	88	3	100	98	98	98	93	100	85
12B	IMAZETHAPYR	2.00 AS	0.031 lb/ac PPI											
13A	TRIFLUR. + CLOMAZONE	5.25 EC	0.750 lb/ac PPI		98	90	5	98	98	100	100	95	100	98
13B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac PPI											
14	F6285	0.42 EC	0.500 lb/ac PPI		95	90	0	98	100	100	100	100	100	70
15	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		98	65	0	95	78	93	100	55	98	50
16A	F6285	0.42 EC	0.375 lb/ac PPI		100	85	5	100	100	100	100	98	100	63
16B	CLOMAZONE	4.00 EC	0.500 lb/ac PPI											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9013 SOYBEAM PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
17A	F6285	0.42 EC	0.375 lb/ac	PPI	100	90	5	100	100	100	100	100	100	68
17B	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI										
18A	F6285	0.42 EC	0.500 lb/ac	PPI	100	88	8	100	100	100	100	100	100	70
18B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI										
19A	F6285	0.42 EC	0.500 lb/ac	PPI	100	90	5	100	100	100	100	100	100	73
19B	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI										
20	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	83	35	0	83	55	85	43	65	85	3
21A	F6285	0.42 EC	0.375 lb/ac	PPI	100	85	5	100	98	100	100	98	100	63
21B	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI										
22A	F6285	0.42 EC	0.375 lb/ac	PPI	100	85	5	100	98	100	100	98	100	58
22B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI										
23A	F6285	0.42 EC	0.500 lb/ac	PPI	100	83	5	100	100	100	98	98	98	65
23B	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI										
24A	F6285	0.42 EC	0.500 lb/ac	PPI	100	90	8	100	100	100	100	100	100	83
24B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI										
25	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PPI	95	95	13	95	98	100	100	93	100	95
26A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	95	95	10	95	100	100	100	95	100	98
26B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI										
27A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	93	95	8	95	100	100	100	98	100	98
27B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI										
28A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	95	13	100	100	100	100	100	100	88
28B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI										
29A	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI	100	85	5	100	100	100	98	55	100	95
29B	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI										
30A	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI	93	83	3	93	95	93	100	78	100	88
30B	ALACHLOR + TRIFLUR.	3.00 E	2.630 lb/ac	PPI										
31A	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI	100	90	5	100	98	98	100	83	100	98
31B	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN	
32A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	98	90	5	98	100	90	100	85	100	95	
32B	TRIFLUR. + CLOMAZONE	5.25 EC	0.660 lb/ac	PPI											
33A	TRIFLUR.+ METRIBUZIN	4.00 EC	0.750 lb/ac	PPI	100	88	8	100	95	93	100	93	100	90	
33B	TRIFLUR. + CLOMAZONE	5.25 EC	0.980 lb/ac	PPI											
34A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	98	93	8	98	100	98	100	98	100	93	
34B	PENDAMETHALIN + IMAZ	2.33 EC	0.440 lb/ac	PPI											
35A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	98	95	15	98	100	98	100	95	100	98	
35B	IMAZAQUIN + TRIFLURA	3.00 EC	0.470 lb/ac	PPI											
36A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	93	88	8	93	100	93	100	90	100	95	
36B	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI											
37	TRIFLUR.+ METRIBUZIN	4.00 EC	1.380 lb/ac	PPI	93	90	3	93	98	95	100	95	100	95	
38A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.250 lb/ac	PPI	95	95	8	95	98	100	100	100	100	95	
38B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI											
39A	METRIBUZIN 1	4.00 F	0.250 lb/ac	PPI	98	95	5	98	100	95	100	95	100	95	
39B	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PPI											
40	ALACHLOR + TRIFLUR.	3.00 E	3.500 lb/ac	PPI	95	68	3	95	80	85	90	75	90	25	
41	ALACHLOR + TRIFLUR.	3.00 E	4.500 lb/ac	PPI	98	73	8	95	90	98	100	93	100	35	
42A	ALACHLOR + TRIFLUR.	3.00 E	1.880 lb/ac	PPI	90	88	5	90	100	100	100	85	100	95	
42B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PPI											
43A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	93	93	3	93	100	98	100	90	100	95	
43B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PPI											
44A	ALACHLOR + TRIFLUR.	3.00 E	1.180 lb/ac	PPI	88	98	13	88	100	100	100	95	100	100	
44B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI											
45A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	95	98	5	95	100	100	100	95	100	98	
45B	CHLOR. + METRI. 1:6	75.00 DF	0.275 lb/ac	PPI											
46A	ALACHLOR + TRIFLUR.	3.00 E	2.750 lb/ac	PPI	95	98	5	93	100	100	100	98	100	98	
46B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI											

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TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
47A	ALACHLOR + TRIFLUR.	3.00 E	3.500 lb/ac PPI		100	100	13	98	100	100	100	100	100	100
47B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac PPI											
48A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac PPI		100	68	0	100	85	95	100	65	95	45
48B	CLOMAZONE	4.00 EC	0.500 lb/ac PPI											
49A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac PPI		100	98	5	100	100	100	100	98	100	98
49B	CLOMAZONE	4.00 EC	0.250 lb/ac PPI											
49C	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac PPI											
50A	ALACHLOR + TRIFLUR.	3.00 E	2.750 lb/ac PPI		100	100	15	100	100	100	100	100	100	100
50B	CLOMAZONE	4.00 EC	0.250 lb/ac PPI											
50C	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac PPI											
51A	ALACHLOR + TRIFLUR.	3.00 E	1.880 lb/ac PPI		98	93	3	98	98	100	100	93	100	88
51B	IMAZETHAPYR	2.00 AS	0.063 lb/ac PPI											
52A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac PPI		98	90	10	98	100	100	100	93	100	93
52B	IMAZETHAPYR	2.00 AS	0.063 lb/ac PPI											
53A	ALACHLOR + TRIFLUR.	3.00 E	1.880 lb/ac PPI		93	90	8	93	100	98	100	95	100	95
53B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac PPI											
54A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac PPI		83	88	3	85	98	100	100	90	100	93
54B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac PPI											
55A	MON 9828	67.00 WDG	2.000 lb/ac PPI		80	88	5	83	98	100	100	93	100	83
55B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac PPI											
56A	MON 9828	67.00 WDG	2.250 lb/ac PPI		85	88	0	85	100	100	100	83	100	90
56B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac PPI											
57A	MON 9828	67.00 WDG	2.250 lb/ac PPI		80	88	5	80	100	100	100	90	100	90
57B	CHLORIM + LINURON	60.00 DF	0.565 lb/ac PPI											
58A	MON 9828	67.00 WDG	2.000 lb/ac PPI		85	90	8	85	100	98	100	85	100	98
58B	IMAZAQUIN	1.50 AS	0.094 lb/ac PPI											
59A	MON 9828	67.00 WDG	2.000 lb/ac PPI		98	90	3	98	100	95	100	90	100	90
59B	IMAZETHAPYR	2.00 AS	0.063 lb/ac PPI											
60A	METOLACHLOR	8.00 E	2.000 lb/ac PPI		98	88	10	98	98	100	100	88	100	93
60B	IMAZAQUIN	1.50 AS	0.094 lb/ac PPI											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIM	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
61A	METOLACHLOR	8.00 E	2.000 lb/ac PPI		98	100	8	98	100	100	100	95	100	100
61B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac PPI											
62	IMAZAQUIN + TRIFLURA	3.00 EC	0.874 lb/ac PPI		95	95	13	98	100	100	100	95	100	98
63A	TRIFLURALIN	4.00 E	0.750 lb/ac PPI		95	100	8	93	100	100	100	100	100	100
63B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac PPI											
64A	GX-217	80.00 W	1.000 lb/ac PPI		93	90	0	93	95	93	100	88	100	95
64B	METRIBUZIN 1	75.00 DF	0.500 lb/ac PPI											
65	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100	100
66	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100	100
LSD(.05) :					6	8	8	7	10	9	8	15	5	13

LOCATION : SPINDLTOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %  
 DATE TREATED : PPI MAY 12

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	MELAN
1A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	90	100	93	100	70	100	88
1B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PPI								
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	3	90	98	80	98	53	100	88
2B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PPI								
3	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PPI	5	98	98	100	100	95	100	90
4	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	0	85	93	100	100	93	100	85
5A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	0	100	100	100	100	88	100	88
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI								
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	3	93	100	95	100	93	98	80
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI								
7A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	8	98	100	100	100	90	100	100
7B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI								
8A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	8	98	100	98	100	98	100	98
8B	CHLOR. + METRI. 1:6	75.00 DF	0.180 lb/ac	PPI								
9A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	3	98	100	100	100	95	100	93
9B	CHLOR. + METRI. 1:6	75.00 DF	0.240 lb/ac	PPI								
10A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	5	98	100	100	100	95	100	93
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI								
11A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	98	100	100	100	88	100	90
11B	IMAZAQUIN	1.50 AS	0.060 lb/ac	PPI								
12A	TRIFLUR. + CLOMAZONE	5.25 EC	1.000 lb/ac	PPI	0	98	98	98	98	93	100	85
12B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	PPI								
13A	TRIFLUR. + CLOMAZONE	5.25 EC	0.750 lb/ac	PPI	5	95	95	100	100	90	100	98
13B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI								
14	F6285	0.42 EC	0.500 lb/ac	PPI	0	98	100	100	100	100	100	48
15	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	0	95	78	93	100	55	98	35
16A	F6285	0.42 EC	0.375 lb/ac	PPI	3	100	100	100	100	98	100	53
16B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI								



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TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
17A	F6285	0.42 EC	0.375 lb/ac	PPI	0	100	100	100	100	98	100	58
17B	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI								
18A	F6285	0.42 EC	0.500 lb/ac	PPI	0	100	98	100	100	98	100	50
18B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI								
19A	F6285	0.42 EC	0.500 lb/ac	PPI	3	100	100	100	100	100	100	63
19B	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI								
20	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	83	55	85	43	40	75	3
21A	F6285	0.42 EC	0.375 lb/ac	PPI	3	100	98	100	100	98	100	43
21B	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI								
22A	F6285	0.42 EC	0.375 lb/ac	PPI	3	100	98	100	100	98	100	35
22B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI								
23A	F6285	0.42 EC	0.500 lb/ac	PPI	0	100	100	100	100	98	98	33
23B	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI								
24A	F6285	0.42 EC	0.500 lb/ac	PPI	5	100	100	100	100	100	100	78
24B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI								
25	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PPI	3	90	98	100	100	88	100	95
26A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	8	93	100	100	100	95	100	98
26B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI								
27A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	5	93	100	100	100	98	100	98
27B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI								
28A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	3	93	100	100	100	100	100	85
28B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI								
29A	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI	5	100	100	100	98	45	100	93
29B	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI								
30A	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI	3	88	95	93	100	68	100	78
30B	ALACHLOR + TRIFLUR.	3.00 E	2.630 lb/ac	PPI								
31A	METRIBUZIN 1	4.00 F	0.380 lb/ac	PPI	3	98	98	98	100	78	100	98
31B	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI								

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TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAM
32A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac PPI		3	98	100	88	100	85	100	95
32B	TRIFLUR. + CLOMAZONE	5.25 EC	0.660 lb/ac PPI									
33A	TRIFLUR.+ METRIBUZIN	4.00 EC	0.750 lb/ac PPI		3	100	95	90	100	90	100	85
33B	TRIFLUR. + CLOMAZONE	5.25 EC	0.980 lb/ac PPI									
34A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac PPI		5	98	100	98	100	98	100	90
34B	PENDAMETHALIN + IMAZ	2.33 EC	0.440 lb/ac PPI									
35A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac PPI		8	93	100	88	100	93	98	98
35B	IMAZAQUIN + TRIFLURA	3.00 EC	0.470 lb/ac PPI									
36A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac PPI		0	90	98	88	100	85	100	95
36B	METRIBUZIN 1	4.00 F	0.380 lb/ac PPI									
37	TRIFLUR.+ METRIBUZIN	4.00 EC	1.380 lb/ac PPI		0	93	98	93	100	95	100	95
38A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.250 lb/ac PPI		5	90	98	98	100	95	93	95
38B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac PPI									
39A	METRIBUZIN 1	4.00 F	0.250 lb/ac PPI		3	98	100	95	100	95	100	93
39B	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac PPI									
40	ALACHLOR + TRIFLUR.	3.00 E	3.500 lb/ac PPI		3	93	80	85	90	75	90	15
41	ALACHLOR + TRIFLUR.	3.00 E	4.500 lb/ac PPI		0	95	90	98	100	93	100	23
42A	ALACHLOR + TRIFLUR.	3.00 E	1.880 lb/ac PPI		3	85	100	100	100	85	100	95
42B	IMAZAQUIN	1.50 AS	0.094 lb/ac PPI									
43A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac PPI		0	90	100	95	100	88	100	95
43B	IMAZAQUIN	1.50 AS	0.094 lb/ac PPI									
44A	ALACHLOR + TRIFLUR.	3.00 E	1.180 lb/ac PPI		5	85	100	100	100	93	100	100
44B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac PPI									
45A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac PPI		3	90	100	100	100	90	100	95
45B	CHLOR. + METRI. 1:6	75.00 DF	0.275 lb/ac PPI									
46A	ALACHLOR + TRIFLUR.	3.00 E	2.750 lb/ac PPI		3	93	100	100	100	95	100	98
46B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac PPI									

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TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
47A	ALACHLOR + TRIFLUR.	3.00 E	3.500 lb/ac	PPI	5	95	100	98	100	98	100	98
47B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI								
48A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	0	100	85	95	100	58	95	15
48B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI								
49A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	5	100	100	100	100	90	100	98
49B	CLOMAZONE	4.00 EC	0.250 lb/ac	PPI								
49C	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI								
50A	ALACHLOR + TRIFLUR.	3.00 E	2.750 lb/ac	PPI	8	100	100	98	100	98	100	100
50B	CLOMAZONE	4.00 EC	0.250 lb/ac	PPI								
50C	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI								
51A	ALACHLOR + TRIFLUR.	3.00 E	1.880 lb/ac	PPI	3	95	95	100	100	88	100	88
51B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI								
52A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	3	95	100	98	100	88	100	88
52B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI								
53A	ALACHLOR + TRIFLUR.	3.00 E	1.880 lb/ac	PPI	8	83	100	98	100	90	100	95
53B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PPI								
54A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	3	83	98	100	100	90	100	90
54B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PPI								
55A	MON 9828	67.00 WDG	2.000 lb/ac	PPI	0	65	98	100	100	88	100	78
55B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PPI								
56A	MON 9828	67.00 WDG	2.250 lb/ac	PPI	0	73	100	98	100	80	100	88
56B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PPI								
57A	MON 9828	67.00 WDG	2.250 lb/ac	PPI	0	65	100	100	100	88	100	88
57B	CHLORIM + LINURON	60.00 DF	0.565 lb/ac	PPI								
58A	MON 9828	67.00 WDG	2.000 lb/ac	PPI	8	80	100	98	100	83	100	98
58B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PPI								
59A	MON 9828	67.00 WDG	2.000 lb/ac	PPI	0	93	100	95	100	90	100	83
59B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI								
60A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	3	98	98	100	100	85	100	88
60B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PPI								

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TABLE S9013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	SIDSP	HELAN
61A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	5	93	100	100	100	90	100	98
61B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI								
62	IMAZAQUIN + TRIFLURA	3.00 EC	0.874 lb/ac	PPI	5	95	100	100	100	90	98	98
63A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	3	93	100	98	100	100	100	100
63B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI								
64A	GX-217	80.00 W	1.000 lb/ac	PPI	0	93	93	93	100	85	100	90
64B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PPI								
65	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100	100	100
66	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100	100	100
LSD(.05) :					5	9	12	10	9	15	7	15

LOCATION : SPINDLTOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %  
 DATE TREATED : PPI MAY 12

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TABLE S9023 SOYBEAN PREPLANT INCORPORATION II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D- -----4 WEEKS AFTER APPLIED-----								
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
1A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	5	100	90	0	100	90	90	93	75
1B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP									
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
2A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	0	100	90	5	100	88	90	93	63
2B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP									
2C	CROP OIL	0.00 AD	1.000 qt/ac	EP									
3A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	13	100	95	0	100	95	95	98	85
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
4A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	28	100	95	0	100	88	93	95	88
4B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP									
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
5A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	98	90	5	98	90	93	98	88
5B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP									
5C	CROP OIL	0.00 AD	1.000 qt/ac	EP									
6A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	5	100	95	0	100	95	95	95	85
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
7A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	13	98	98	3	98	93	95	95	90
7B	CHLOR. + METRI. 1:6	75.00 DF	0.180 lb/ac	PPI									
7C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP									
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
8A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	30	100	93	8	100	93	93	98	90
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
9A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	90	20	98	83	90	95	75
9B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP									
9C	CROP OIL	0.00 AD	0.500 qt/ac	EP									
10A	ETHALFLURALIN	3.00 E	0.940 lb/ac	PPI	28	95	90	20	95	85	93	95	85
10B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP									
10C	CROP OIL	0.00 AD	0.500 qt/ac	EP									
11A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	95	93	15	93	90	90	95	78
11B	BENTAZON	4.00 E	0.750 lb/ac	EP									
11C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP									

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TABLE S9023 SOYBEAN PREPLANT INCORPORATION II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
12A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	28	98	88	30	98	88	90	95	75
12B	BENTAZON	4.00 E	0.750 lb/ac	EP									
12C	ACIFLUORFEN	2.00 L	0.130 lb/ac	EP									
12D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP									
13A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	0	100	93	0	100	90	90	93	85
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
14A	ALACHLOR	4.00 MT	2.000 lb/ac	PPI	0	100	88	0	100	88	88	80	83
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
15A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	5	88	95	5	88	93	93	95	90
15B	BENTAZON	4.00 E	1.000 lb/ac	MP									
15C	2,4-DB	2.00 E	0.030 lb/ac	MP									
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
16A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	5	100	93	0	100	90	93	95	85
16B	BENTAZON	4.00 E	0.750 lb/ac	MP									
16C	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP									
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
16E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP									
17A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	13	88	90	0	88	85	90	95	80
17B	BENTAZON	4.00 E	1.000 lb/ac	MP									
17C	CROP OIL	0.00 AD	1.000 qt/ac	MP									
18A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	90	20	98	90	93	95	85
18B	BENT + ACIFL 2.23:1	4.00 E	1.000 lb/ac	MP									
18C	CROP OIL	0.00 AD	1.000 qt/ac	MP									
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	5	100	93	20	100	93	93	98	90
19B	BENT + ACIFL 2.23:1	4.00 E	1.000 lb/ac	MP									
19C	DASH	0.00 AD	1.000 qt/ac	MP									
20A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	8	100	93	20	100	90	93	93	80
20B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP									
20C	CROP OIL	0.00 AD	1.000 qt/ac	MP									
21A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	5	98	93	0	98	93	93	95	83
21B	FOMESAFEN	2.00 LC	0.313 lb/ac	MP									
21C	CROP OIL	0.00 AD	1.000 qt/ac	MP									

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TABLE S9023 SOYBEAN PREPLANT INCORPORATION II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
22A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	95	25	100	95	95	98	93
22B	BENT + ACIFL 3:1	3.67 E	0.917 lb/ac	MP									
22C	CROP OIL	0.00 AD	1.000 qt/ac	MP									
23A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	95	90	20	95	83	93	93	80
23B	BENT + ACIFL 3:1	3.67 E	0.917 lb/ac	MP									
23C	DASH	0.00 AD	1.000 qt/ac	MP									
24A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	10	100	90	23	100	90	90	93	75
24B	BENT + ACIFL 3:1	3.67 E	0.917 lb/ac	MP									
24C	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP									
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
24E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP									
25A	V-53482	50.00 WP	0.044 lb/ac	PPI	0	93	88	0	93	80	90	95	73
25B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI									
26A	V-53482	50.00 WP	0.055 lb/ac	PPI	0	90	90	0	90	70	88	93	68
26B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI									
27A	V-53482	50.00 WP	0.066 lb/ac	PPI	0	90	85	0	90	68	90	93	78
27B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI									
28A	V-53482	50.00 WP	0.088 lb/ac	PPI	0	90	85	0	90	78	88	98	75
28B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI									
29	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	93	38	0	93	30	45	68	28
			LSD(.05) :		12	6	9	8	6	15	8	8	13

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.3 O.M. : 3.40 %  
 DATE TREATED : PPI MAY 12  
 EP JUNE 1  
 MP JUNE 6

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TABLE S9023 SOYBEAN PREPLANT INCORPORATION 11

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
1A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	0	100	90	90	93	75
1B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
2A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	0	100	88	90	93	63
2B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP						
2C	CROP OIL	0.00 AD	1.000 qt/ac	EP						
3A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	0	100	95	95	98	85
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
4A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	100	88	93	95	88
4B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
5A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	98	90	93	98	88
5B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP						
5C	CROP OIL	0.00 AD	1.000 qt/ac	EP						
6A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	100	95	95	95	85
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
7A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	93	95	95	90
7B	CHLOR. + METRI. 1:6	75.00 DF	0.180 lb/ac	PPI						
7C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
8A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	93	93	98	90
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
9A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	83	90	95	75
9B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP						
9C	CROP OIL	0.00 AD	0.500 qt/ac	EP						
10A	ETHALFLURALIN	3.00 E	0.940 lb/ac	PPI	0	95	85	93	95	85
10B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	EP						
10C	CROP OIL	0.00 AD	0.500 qt/ac	EP						
11A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	93	90	90	95	78
11B	BENTAZON	4.00 E	0.750 lb/ac	EP						
11C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						



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TABLE S9023 SOYBEAN PREPLANT INCORPORATION II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	DATSI	CHEAL	IPOHE
12A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	98	88	90	95	75
12B	BENTAZON	4.00 E	0.750 lb/ac	EP						
12C	ACIFLUORFEN	2.00 L	0.130 lb/ac	EP						
12D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
13A	ALACHLOR + TRIFLUR.	3.00 E	2.250 lb/ac	PPI	0	100	90	90	93	85
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
14A	ALACHLOR	4.00 MT	2.000 lb/ac	PPI	0	100	88	88	80	83
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
15A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	88	93	93	95	90
15B	BENTAZON	4.00 E	1.000 lb/ac	MP						
15C	2,4-DB	2.00 E	0.030 lb/ac	MP						
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
16A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	90	93	95	85
16B	BENTAZON	4.00 E	0.750 lb/ac	MP						
16C	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP						
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
16E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP						
17A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	88	85	90	95	80
17B	BENTAZON	4.00 E	1.000 lb/ac	MP						
17C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
18A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	90	93	95	85
18B	BENT + ACIFL 2.23:1	4.00 E	1.000 lb/ac	MP						
18C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	93	93	98	90
19B	BENT + ACIFL 2.23:1	4.00 E	1.000 lb/ac	MP						
19C	DASH	0.00 AD	1.000 qt/ac	MP						
20A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	90	93	93	80
20B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP						
20C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
21A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	93	93	95	83
21B	FOMESAFEN	2.00 LC	0.313 lb/ac	MP						
21C	CROP OIL	0.00 AD	1.000 qt/ac	MP						

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TABLE S9023 SOYBEAN PREPLANT INCORPORATION II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
22A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	95	95	98	93
22B	BENT + ACIFL 3:1	3.67 E	0.917 lb/ac	MP						
22C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
23A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	95	83	93	93	80
23B	BENT + ACIFL 3:1	3.67 E	0.917 lb/ac	MP						
23C	DASH	0.00 AD	1.000 qt/ac	MP						
24A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	90	90	93	75
24B	BENT + ACIFL 3:1	3.67 E	0.917 lb/ac	MP						
24C	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP						
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
24E	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP						
25A	V-53482	50.00 WP	0.044 lb/ac	PPI	0	93	80	90	95	73
25B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI						
26A	V-53482	50.00 WP	0.055 lb/ac	PPI	0	90	68	88	93	70
26B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI						
27A	V-53482	50.00 WP	0.066 lb/ac	PPI	0	90	68	90	93	78
27B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI						
28A	V-53482	50.00 WP	0.088 lb/ac	PPI	0	90	73	83	98	75
28B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI						
29	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	93	30	40	68	28
			LSD(.05) :		0	6	8	13	14	8

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.3 O.M. : 3.40 %  
 DATE TREATED : PPI MAY 12  
 EP JUNE 1  
 MP JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-3D-- ----10D-----4 WEEKS AFTER APPLIED-----											
					CRIN	SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPDHE	HELAM
1A	LACTOFEN	2.00 E	0.200 lb/ac LP		85	83	80	100	78	10	100	98	98	78	100	93
1B	RE 45601	2.00 EC	0.078 lb/ac LP													
1C	CROP OIL	0.00 AD	0.500 qt/ac LP													
2A	LACTOFEN	2.00 E	0.200 lb/ac LP		83	93	90	100	60	10	100	100	98	60	100	93
2B	RE 45601	2.00 EC	0.094 lb/ac LP													
2C	CROP OIL	0.00 AD	0.500 qt/ac LP													
3A	LACTOFEN	2.00 E	0.200 lb/ac LP		28	93	68	100	60	13	100	98	98	60	98	90
3B	QUZALOFOP	0.80 L	0.090 lb/ac LP													
3C	CROP OIL	0.00 AD	0.500 qt/ac LP													
4A	LACTOFEN	2.00 E	0.150 lb/ac LP		78	85	85	100	85	10	100	100	98	88	98	98
4B	BENTAZON	4.00 E	0.500 lb/ac LP													
4C	RE 45601	2.00 EC	0.078 lb/ac LP													
4D	CROP OIL	0.00 AD	0.500 qt/ac LP													
5A	LACTOFEN	2.00 E	0.150 lb/ac LP		78	93	88	100	88	10	100	100	100	88	95	95
5B	BENTAZON	4.00 E	0.500 lb/ac LP													
5C	RE 45601	2.00 EC	0.078 lb/ac LP													
5D	CROP OIL	0.00 AD	1.000 qt/ac LP													
6A	LACTOFEN	2.00 E	0.150 lb/ac LP		80	80	85	100	88	15	100	100	100	88	98	98
6B	BENTAZON	4.00 E	0.500 lb/ac LP													
6C	RE 45601	2.00 EC	0.094 lb/ac LP													
6D	CROP OIL	0.00 AD	0.500 qt/ac LP													
7A	LACTOFEN	2.00 E	0.150 lb/ac LP		33	90	78	100	75	10	100	98	98	75	98	90
7B	BENTAZON	4.00 E	0.500 lb/ac LP													
7C	QUZALOFOP	0.80 L	0.090 lb/ac LP													
7D	CROP OIL	0.00 AD	0.500 qt/ac LP													
8A	LACTOFEN	2.00 E	0.150 lb/ac LP		75	73	75	100	78	13	100	100	100	78	100	93
8B	CHLORIMURON	25.00 DF	0.006 lb/ac LP													
8C	RE 45601	2.00 EC	0.078 lb/ac LP													
8D	CROP OIL	0.00 AD	0.500 qt/ac LP													
9A	LACTOFEN	2.00 E	0.150 lb/ac LP		75	90	85	100	78	10	100	98	98	80	98	93
9B	CHLORIMURON	25.00 DF	0.006 lb/ac LP													
9C	RE 45601	2.00 EC	0.094 lb/ac LP													
9D	CROP OIL	0.00 AD	0.500 qt/ac LP													

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-30-- ----100-----4 WEEKS AFTER APPLIED-----											
					CRIN	SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	HELAN
10A	LACTOFEN	2.00 E	0.150	lb/ac LP	73	90	75	100	70	13	100	100	100	70	100	93
10B	CHLORIMURON	25.00 DF	0.006	lb/ac LP												
10C	QUIZALOFOP	0.80 L	0.090	lb/ac LP												
10D	CROP OIL	0.00 AD	0.500	qt/ac LP												
11A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	95	90	95	98	93	13	98	100	100	93	98	95
11B	LACTOFEN	2.00 E	0.200	lb/ac 1TR												
11C	CROP OIL	0.00 AD	0.500	qt/ac 1TR												
12A	ALACHLOR	4.00 MT	2.500	lb/ac CRK	98	90	98	98	90	15	98	100	100	93	93	95
12B	LACTOFEN	2.00 E	0.200	lb/ac CRK												
12C	CROP OIL	0.00 AD	0.500	qt/ac CRK												
13A	ALACHLOR	4.00 MT	2.500	lb/ac CRK	100	93	100	100	90	18	100	100	100	95	93	95
13B	LACTOFEN	2.00 E	0.150	lb/ac CRK												
13C	CROP OIL	0.00 AD	0.500	qt/ac CRK												
14A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	100	78	100	100	93	15	100	100	100	98	95	98
14B	LACTOFEN	2.00 E	0.200	lb/ac COT												
14C	CROP OIL	0.00 AD	0.500	qt/ac COT												
15A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	98	85	98	100	93	10	100	100	100	98	95	95
15B	LACTOFEN	2.00 E	0.150	lb/ac COT												
15C	CROP OIL	0.00 AD	0.500	qt/ac COT												
16A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	100	85	100	100	93	15	100	100	100	98	93	100
16B	LACTOFEN	2.00 E	0.200	lb/ac UN												
16C	CROP OIL	0.00 AD	0.500	qt/ac UN												
17A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	98	88	100	100	95	18	100	100	100	95	98	98
17B	LACTOFEN	2.00 E	0.150	lb/ac UN												
17C	CROP OIL	0.00 AD	0.500	qt/ac UN												
18A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	95	90	100	100	88	13	100	100	100	90	95	90
18B	LACTOFEN	2.00 E	0.150	lb/ac 1TR												
18C	CROP OIL	0.00 AD	0.500	qt/ac 1TR												
19A	ALACHLOR	4.00 MT	2.500	lb/ac PRE	98	90	100	100	100	18	100	100	100	100	100	100
19B	METRIBUZIN 1	4.00 F	0.375	lb/ac PRE												
19C	LACTOFEN	2.00 E	0.150	lb/ac UN												
19D	CROP OIL	0.00 AD	0.500	qt/ac UN												

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-3D-- ---10D--- -----4 WEEKS AFTER APPLIED-----											
					CRIN	SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	MELAN
20A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	95	100	100	98	15	100	100	100	100	98	98
20B	METRIBUZIM 1	4.00 F	0.375 lb/ac	PRE												
20C	LACTOFEN	2.00 E	0.150 lb/ac	COT												
20D	CROP OIL	0.00 AD	0.500 qt/ac	COT												
21A	ALACHLOR	4.00 MT	2.500 lb/ac	CRK	98	95	98	100	98	23	100	100	100	100	98	100
21B	LACTOFEN	2.00 E	0.100 lb/ac	CRK												
21C	CROP OIL	0.00 AD	0.500 qt/ac	CRK												
21D	LACTOFEN	2.00 E	0.100 lb/ac	1TR												
21E	CROP OIL	0.00 AD	0.500 qt/ac	1TR												
22A	ALACHLOR	4.00 MT	2.500 lb/ac	CRK	100	100	100	100	95	28	100	100	100	98	98	100
22B	LACTOFEN	2.00 E	0.150 lb/ac	CRK												
22C	CROP OIL	0.00 AD	0.500 qt/ac	CRK												
22D	LACTOFEN	2.00 E	0.100 lb/ac	1TR												
22E	CROP OIL	0.00 AD	0.500 qt/ac	1TR												
23A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	93	98	100	95	23	100	100	100	95	98	98
23B	LACTOFEN	2.00 E	0.100 lb/ac	UN												
23C	CROP OIL	0.00 AD	0.500 qt/ac	UN												
23D	LACTOFEN	2.00 E	0.100 lb/ac	2TR												
23E	CROP OIL	0.00 AD	0.500 qt/ac	2TR												
24A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	100	100	100	100	25	100	100	100	100	100	100
24B	LACTOFEN	2.00 E	0.150 lb/ac	UN												
24C	CROP OIL	0.00 AD	0.500 qt/ac	UN												
24D	LACTOFEN	2.00 E	0.100 lb/ac	2TR												
24E	CROP OIL	0.00 AD	0.500 qt/ac	2TR												
25A	V-23031	0.88 L	0.026 lb/ac	2LF	0	23	83	20	60	5	30	73	75	70	80	65
25B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
26A	V-23031	0.88 L	0.040 lb/ac	2LF	0	75	88	58	75	5	58	85	90	83	93	78
26B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
27A	V-23031	0.88 L	0.053 lb/ac	2LF	0	63	95	45	75	8	45	88	88	83	88	83
27B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
28A	V-23031	0.88 L	0.066 lb/ac	2LF	0	80	100	58	75	5	58	85	88	90	85	77
28B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
29A	V-23031	0.88 L	0.079 lb/ac	2LF	25	70	93	58	78	10	58	90	88	85	95	83
29B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLIED											
					-3D-- CRIN	---100--- SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	HELAM
30A	V-23031	0.88 L	0.026 lb/ac	2LF	0	73	85	35	50	3	35	73	73	70	78	53
30B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
31A	V-23031	0.88 L	0.053 lb/ac	2LF	3	53	75	28	70	3	28	78	80	75	78	75
31B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
32A	V-23031	0.88 L	0.079 lb/ac	2LF	23	70	68	15	63	8	15	75	70	75	85	63
32B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
33A	LACTOFEN	2.00 E	0.200 lb/ac	2LF	8	88	93	60	65	10	60	100	98	65	95	98
33B	CROP OIL	0.00 AD	0.500 qt/ac	2LF												
34A	V-23031	0.88 L	0.026 lb/ac	2LF	85	48	75	73	53	5	73	70	70	68	83	53
34B	RE 45601	2.00 EC	0.100 lb/ac	2LF												
34C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
35A	V-23031	0.88 L	0.053 lb/ac	2LF	45	75	88	70	70	8	70	80	80	80	85	73
35B	RE 45601	2.00 EC	0.100 lb/ac	2LF												
35C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
36A	V-23031	0.88 L	0.079 lb/ac	2LF	93	78	95	70	70	5	70	83	83	80	85	70
36B	RE 45601	2.00 EC	0.100 lb/ac	2LF												
36C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
37A	RE 45601	2.00 EC	0.100 lb/ac	2LF	28	40	45	55	30	8	58	68	65	38	75	55
37B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
38A	LACTOFEN	2.00 E	0.200 lb/ac	2LF	98	85	75	98	53	10	98	95	98	53	95	95
38B	RE 45601	2.00 EC	0.100 lb/ac	2LF												
38C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
39A	V-23031	0.88 L	0.026 lb/ac	4LF	90	58	95	100	78	8	100	90	90	90	98	78
39B	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
39C	RE 45601	2.00 EC	0.100 lb/ac	+5D												
39D	CROP OIL	0.00 AD	1.000 qt/ac	+5D												
40A	V-23031	0.88 L	0.053 lb/ac	4LF	85	80	100	100	85	10	100	100	98	90	98	85
40B	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
40C	RE 45601	2.00 EC	0.100 lb/ac	+5D												
40D	CROP OIL	0.00 AD	1.000 qt/ac	+5D												
41A	V-23031	0.88 L	0.079 lb/ac	4LF	93	88	95	100	88	10	100	98	100	93	93	93
41B	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
41C	RE 45601	2.00 EC	0.100 lb/ac	+5D												
41D	CROP OIL	0.00 AD	1.000 qt/ac	+5D												

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-3D-- ----100-----4 WEEKS AFTER APPLIED-----											
					CRIN	SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPONE	HELAM
42A	LACTOFEN	2.00 E	0.200 lb/ac	4LF	58	100	100	100	90	18	100	100	100	90	98	100
42B	CROP OIL	0.00 AD	0.500 qt/ac	4LF												
42C	RE 45601	2.00 EC	0.100 lb/ac	+5D												
42D	CROP OIL	0.00 AD	1.000 qt/ac	+5D												
43A	V-23031	0.88 L	0.026 lb/ac	4LF	80	78	90	93	75	10	93	85	90	83	90	78
43B	RE 45601	2.00 EC	0.100 lb/ac	4LF												
43C	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
44A	V-23031	0.88 L	0.053 lb/ac	4LF	30	80	93	100	83	10	100	98	95	93	95	85
44B	RE 45601	2.00 EC	0.100 lb/ac	4LF												
44C	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
45A	V-23031	0.88 L	0.079 lb/ac	4LF	95	83	100	93	80	10	93	98	98	90	95	85
45B	RE 45601	2.00 EC	0.100 lb/ac	4LF												
45C	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
46A	RE 45601	2.00 EC	0.100 lb/ac	4LF	60	13	55	55	38	8	55	60	55	40	65	58
46B	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
47A	LACTOFEN	2.00 E	0.200 lb/ac	4LF	90	95	68	100	90	20	100	100	100	90	100	100
47B	RE 45601	2.00 EC	0.100 lb/ac	4LF												
47C	CROP OIL	0.00 AD	1.000 qt/ac	4LF												
48A	V-23031	0.88 L	0.040 lb/ac	2LF	0	38	78	15	68	0	15	75	73	75	75	73
48B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
49A	V-23031	0.88 L	0.026 lb/ac	2LF	0	70	95	20	70	3	20	83	80	75	80	73
49B	2,4-DB	2.00 E	0.030 lb/ac	2LF												
49C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
50A	V-23031	0.88 L	0.053 lb/ac	2LF	0	90	100	53	80	10	53	93	90	88	98	85
50B	2,4-DB	2.00 E	0.030 lb/ac	2LF												
50C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
51A	V-23031	0.88 L	0.026 lb/ac	2LF	13	88	85	40	65	8	40	78	78	68	80	75
51B	LACTOFEN	2.00 E	0.100 lb/ac	2LF												
51C	CROP OIL	0.00 AD	0.500 qt/ac	2LF												
52A	V-23031	0.88 L	0.053 lb/ac	2LF	88	90	95	58	88	10	58	98	98	88	98	90
52B	LACTOFEN	2.00 E	0.100 lb/ac	2LF												
52C	CROP OIL	0.00 AD	0.500 qt/ac	2LF												

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-30-- ---100--- -----4 WEEKS AFTER APPLIED-----											
					CRIN	SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	HELAN
53A	V-23031	0.88 L	0.026 lb/ac	2LF	0	50	85	40	85	5	40	98	98	85	95	88
53B	CHLORIMURON	25.00 DF	0.006 lb/ac	2LF												
53C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
54A	V-23031	0.88 L	0.053 lb/ac	2LF	0	70	85	58	88	10	58	98	98	88	100	93
54B	CHLORIMURON	25.00 DF	0.006 lb/ac	2LF												
54C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
55A	V-23031	0.88 L	0.026 lb/ac	2LF	8	58	95	43	95	8	45	98	100	95	95	95
55B	BENTAZON	4.00 E	0.500 lb/ac	2LF												
55C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
56A	V-23031	0.88 L	0.053 lb/ac	2LF	0	73	93	38	90	8	38	100	98	93	98	90
56B	BENTAZON	4.00 E	0.500 lb/ac	2LF												
56C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
57A	V-23031	0.88 L	0.026 lb/ac	2LF	0	68	95	80	78	10	80	83	90	88	88	83
57B	FOMESAFEN	2.00 LC	0.150 lb/ac	2LF												
57C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
58A	V-23031	0.88 L	0.053 lb/ac	2LF	48	78	93	83	88	10	83	98	95	90	98	90
58B	FOMESAFEN	2.00 LC	0.150 lb/ac	2LF												
58C	CROP OIL	0.00 AD	1.000 qt/ac	2LF												
59A	V-23031	0.88 L	0.026 lb/ac	2LF	5	73	93	63	65	5	63	83	83	78	83	68
59B	ACIFLUORFEN	2.00 L	0.250 lb/ac	2LF												
59C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
60A	V-23031	0.88 L	0.053 lb/ac	2LF	40	78	98	68	83	10	68	95	95	90	95	85
60B	ACIFLUORFEN	2.00 L	0.250 lb/ac	2LF												
60C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
61	2,4-DB	2.00 E	0.030 lb/ac	2LF	0	0	0	8	48	5	8	55	58	50	65	45
62A	2,4-DB	2.00 E	0.030 lb/ac	2LF	0	3	5	13	43	3	13	50	55	50	60	43
62B	CROP OIL	0.00 AD	0.500 qt/ac	2LF												
63A	CHLORIMURON	25.00 DF	0.012 lb/ac	2LF	0	40	70	30	70	8	30	100	95	70	100	93
63B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF												
64A	BENTAZON	4.00 E	1.000 lb/ac	2LF	40	38	93	10	90	3	10	100	98	98	93	93
64B	CROP OIL	0.00 AD	1.000 qt/ac	2LF												



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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----												
					-3D-- CRIN	----10D-- SETFA	CHEAL	GGGGG	BBBBB	CRIN	SETFA	KANOR	DATST	CHEAL	IPOHE	HELAN	
65A	FOMESAFEN	2.00 LC	0.313 lb/ac	2LF	33	70	90	73	78	8	73	93	90	85	93	85	
65B	CROP OIL	0.00 AD	1.000 qt/ac	2LF													
66A	ACIFLUORFEN	2.00 L	0.500 lb/ac	2LF	85	75	90	88	90	10	88	100	98	90	98	90	
66B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF													
67	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	0	100	100	100	100	100	100	
68	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	0	100	100	100	100	100	100	
LSD(.05) :					25	14	16	25	15	7	25	16	16	13	15	20	

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %  
 DATE TREATED : PRE MAY 12  
 CRK MAY 22  
 COT MAY 24  
 UN MAY 27  
 1TR MAY 30  
 2TR JUNE 1  
 2LF MAY 30  
 4LF JUNE 5

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	MELAN
1A	LACTOFEN	2.00 E	0.200 lb/ac LP		0	90	95	95	60	95	88
1B	RE 45601	2.00 EC	0.078 lb/ac LP								
1C	CROP OIL	0.00 AD	0.500 qt/ac LP								
2A	LACTOFEN	2.00 E	0.200 lb/ac LP		0	90	98	93	43	98	88
2B	RE 45601	2.00 EC	0.094 lb/ac LP								
2C	CROP OIL	0.00 AD	0.500 qt/ac LP								
3A	LACTOFEN	2.00 E	0.200 lb/ac LP		0	90	98	90	43	93	80
3B	QUIZALOFOP	0.80 L	0.090 lb/ac LP								
3C	CROP OIL	0.00 AD	0.500 qt/ac LP								
4A	LACTOFEN	2.00 E	0.150 lb/ac LP		0	88	100	93	55	90	93
4B	BENTAZON	4.00 E	0.500 lb/ac LP								
4C	RE 45601	2.00 EC	0.078 lb/ac LP								
4D	CROP OIL	0.00 AD	0.500 qt/ac LP								
5A	LACTOFEN	2.00 E	0.150 lb/ac LP		0	90	98	98	55	90	95
5B	BENTAZON	4.00 E	0.500 lb/ac LP								
5C	RE 45601	2.00 EC	0.078 lb/ac LP								
5D	CROP OIL	0.00 AD	1.000 qt/ac LP								
6A	LACTOFEN	2.00 E	0.150 lb/ac LP		0	90	98	95	60	98	95
6B	BENTAZON	4.00 E	0.500 lb/ac LP								
6C	RE 45601	2.00 EC	0.094 lb/ac LP								
6D	CROP OIL	0.00 AD	0.500 qt/ac LP								
7A	LACTOFEN	2.00 E	0.150 lb/ac LP		0	90	98	95	55	93	88
7B	BENTAZON	4.00 E	0.500 lb/ac LP								
7C	QUIZALOFOP	0.80 L	0.090 lb/ac LP								
7D	CROP OIL	0.00 AD	0.500 qt/ac LP								
8A	LACTOFEN	2.00 E	0.150 lb/ac LP		0	88	95	90	58	93	78
8B	CHLORIMURON	25.00 DF	0.006 lb/ac LP								
8C	RE 45601	2.00 EC	0.078 lb/ac LP								
8D	CROP OIL	0.00 AD	0.500 qt/ac LP								
9A	LACTOFEN	2.00 E	0.150 lb/ac LP		0	93	98	98	60	98	93
9B	CHLORIMURON	25.00 DF	0.006 lb/ac LP								
9C	RE 45601	2.00 EC	0.094 lb/ac LP								
9D	CROP OIL	0.00 AD	0.500 qt/ac LP								

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	HELAN
10A	LACTOFEN	2.00 E	0.150 lb/ac	LP	0	90	100	98	50	93	88
10B	CHLORIMURON	25.00 DF	0.006 lb/ac	LP							
10C	QUIZALOFOP	0.80 L	0.090 lb/ac	LP							
10D	CROP OIL	0.00 AD	0.500 qt/ac	LP							
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	95	93	85	93	83
11B	LACTOFEN	2.00 E	0.200 lb/ac	1TR							
11C	CROP OIL	0.00 AD	0.500 qt/ac	1TR							
12A	ALACHLOR	4.00 MT	2.500 lb/ac	CRK	3	85	93	93	85	85	83
12B	LACTOFEN	2.00 E	0.200 lb/ac	CRK							
12C	CROP OIL	0.00 AD	0.500 qt/ac	CRK							
13A	ALACHLOR	4.00 MT	2.500 lb/ac	CRK	5	90	93	85	85	83	90
13B	LACTOFEN	2.00 E	0.150 lb/ac	CRK							
13C	CROP OIL	0.00 AD	0.500 qt/ac	CRK							
14A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	90	95	88	90	88	93
14B	LACTOFEN	2.00 E	0.200 lb/ac	COT							
14C	CROP OIL	0.00 AD	0.500 qt/ac	COT							
15A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	88	98	93	93	88	93
15B	LACTOFEN	2.00 E	0.150 lb/ac	COT							
15C	CROP OIL	0.00 AD	0.500 qt/ac	COT							
16A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	90	100	98	90	88	100
16B	LACTOFEN	2.00 E	0.200 lb/ac	UN							
16C	CROP OIL	0.00 AD	0.500 qt/ac	UN							
17A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	90	98	98	90	93	95
17B	LACTOFEN	2.00 E	0.150 lb/ac	UN							
17C	CROP OIL	0.00 AD	0.500 qt/ac	UN							
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	95	88	83	88	80
18B	LACTOFEN	2.00 E	0.150 lb/ac	1TR							
18C	CROP OIL	0.00 AD	0.500 qt/ac	1TR							
19A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	90	100	100	95	90	98
19B	METRIBUZIN 1	4.00 F	0.375 lb/ac	PRE							
19C	LACTOFEN	2.00 E	0.150 lb/ac	UN							
19D	CROP OIL	0.00 AD	0.500 qt/ac	UN							

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATST	CHEAL	IPONE	MELAN
20A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	100	98	93	90	93
20B	METRIBUZIN 1	4.00 F	0.375 lb/ac	PRE							
20C	LACTOFEN	2.00 E	0.150 lb/ac	COT							
20D	CROP OIL	0.00 AD	0.500 qt/ac	COT							
21A	ALACHLOR	4.00 MT	2.500 lb/ac	CRK	5	90	95	90	93	90	93
21B	LACTOFEN	2.00 E	0.100 lb/ac	CRK							
21C	CROP OIL	0.00 AD	0.500 qt/ac	CRK							
21D	LACTOFEN	2.00 E	0.100 lb/ac	1TR							
21E	CROP OIL	0.00 AD	0.500 qt/ac	1TR							
22A	ALACHLOR	4.00 MT	2.500 lb/ac	CRK	10	90	100	98	90	90	95
22B	LACTOFEN	2.00 E	0.150 lb/ac	CRK							
22C	CROP OIL	0.00 AD	0.500 qt/ac	CRK							
22D	LACTOFEN	2.00 E	0.100 lb/ac	1TR							
22E	CROP OIL	0.00 AD	0.500 qt/ac	1TR							
23A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	93	100	100	95	90	90
23B	LACTOFEN	2.00 E	0.100 lb/ac	UN							
23C	CROP OIL	0.00 AD	0.500 qt/ac	UN							
23D	LACTOFEN	2.00 E	0.100 lb/ac	2TR							
23E	CROP OIL	0.00 AD	0.500 qt/ac	2TR							
24A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	90	100	95	95	93	98
24B	LACTOFEN	2.00 E	0.150 lb/ac	UN							
24C	CROP OIL	0.00 AD	0.500 qt/ac	UN							
24D	LACTOFEN	2.00 E	0.100 lb/ac	2TR							
24E	CROP OIL	0.00 AD	0.500 qt/ac	2TR							
25A	V-23031	0.88 L	0.026 lb/ac	2LF	0	25	73	75	70	80	63
25B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
26A	V-23031	0.88 L	0.040 lb/ac	2LF	0	45	85	88	75	90	70
26B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
27A	V-23031	0.88 L	0.053 lb/ac	2LF	0	30	83	85	78	80	73
27B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
28A	V-23031	0.88 L	0.066 lb/ac	2LF	0	40	85	83	83	93	63
28B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
29A	V-23031	0.88 L	0.079 lb/ac	2LF	3	53	90	88	83	93	75
29B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	MELAN
30A	V-23031	0.88 L	0.026 lb/ac	2LF	0	35	73	73	75	78	53
30B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
31A	V-23031	0.88 L	0.053 lb/ac	2LF	0	25	75	75	73	78	70
31B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
32A	V-23031	0.88 L	0.079 lb/ac	2LF	0	10	70	63	65	85	55
32B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
33A	LACTOFEN	2.00 E	0.200 lb/ac	2LF	0	48	100	98	48	93	98
33B	CROP OIL	0.00 AD	0.500 qt/ac	2LF							
34A	V-23031	0.88 L	0.026 lb/ac	2LF	0	65	70	68	65	78	43
34B	RE 45601	2.00 EC	0.100 lb/ac	2LF							
34C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
35A	V-23031	0.88 L	0.053 lb/ac	2LF	0	65	75	75	73	80	55
35B	RE 45601	2.00 EC	0.100 lb/ac	2LF							
35C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
36A	V-23031	0.88 L	0.079 lb/ac	2LF	0	60	78	75	73	83	63
36B	RE 45601	2.00 EC	0.100 lb/ac	2LF							
36C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
37A	RE 45601	2.00 EC	0.100 lb/ac	2LF	0	55	68	65	38	73	55
37B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
38A	LACTOFEN	2.00 E	0.200 lb/ac	2LF	0	78	95	95	43	93	88
38B	RE 45601	2.00 EC	0.100 lb/ac	2LF							
38C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
39A	V-23031	0.88 L	0.026 lb/ac	4LF	0	90	88	88	73	90	55
39B	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
39C	RE 45601	2.00 EC	0.100 lb/ac	+5D							
39D	CROP OIL	0.00 AD	1.000 qt/ac	+5D							
40A	V-23031	0.88 L	0.053 lb/ac	4LF	3	90	100	93	78	93	68
40B	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
40C	RE 45601	2.00 EC	0.100 lb/ac	+5D							
40D	CROP OIL	0.00 AD	1.000 qt/ac	+5D							
41A	V-23031	0.88 L	0.079 lb/ac	4LF	0	90	98	90	85	93	75
41B	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
41C	RE 45601	2.00 EC	0.100 lb/ac	+5D							
41D	CROP OIL	0.00 AD	1.000 qt/ac	+5D							

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	HELAN
42A	LACTOFEN	2.00 E	0.200 lb/ac	4LF	3	88	98	95	63	90	95
42B	CROP OIL	0.00 AD	0.500 qt/ac	4LF							
42C	RE 45601	2.00 EC	0.100 lb/ac	+5D							
42D	CROP OIL	0.00 AD	1.000 qt/ac	+5D							
43A	V-23031	0.88 L	0.026 lb/ac	4LF	0	88	83	85	73	88	60
43B	RE 45601	2.00 EC	0.100 lb/ac	4LF							
43C	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
44A	V-23031	0.88 L	0.053 lb/ac	4LF	3	80	93	90	80	85	65
44B	RE 45601	2.00 EC	0.100 lb/ac	4LF							
44C	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
45A	V-23031	0.88 L	0.079 lb/ac	4LF	0	80	90	90	88	90	65
45B	RE 45601	2.00 EC	0.100 lb/ac	4LF							
45C	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
46A	RE 45601	2.00 EC	0.100 lb/ac	4LF	0	50	60	55	38	60	50
46B	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
47A	LACTOFEN	2.00 E	0.200 lb/ac	4LF	8	80	98	98	58	90	95
47B	RE 45601	2.00 EC	0.100 lb/ac	4LF							
47C	CROP OIL	0.00 AD	1.000 qt/ac	4LF							
48A	V-23031	0.88 L	0.040 lb/ac	2LF	0	15	70	70	75	73	70
48B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
49A	V-23031	0.88 L	0.026 lb/ac	2LF	0	15	83	80	73	80	68
49B	2,4-DB	2.00 E	0.030 lb/ac	2LF							
49C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
50A	V-23031	0.88 L	0.053 lb/ac	2LF	0	43	88	85	80	93	73
50B	2,4-DB	2.00 E	0.030 lb/ac	2LF							
50C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
51A	V-23031	0.88 L	0.026 lb/ac	2LF	0	28	75	75	55	75	70
51B	LACTOFEN	2.00 E	0.100 lb/ac	2LF							
51C	CROP OIL	0.00 AD	0.500 qt/ac	2LF							
52A	V-23031	0.88 L	0.053 lb/ac	2LF	0	45	93	93	75	98	88
52B	LACTOFEN	2.00 E	0.100 lb/ac	2LF							
52C	CROP OIL	0.00 AD	0.500 qt/ac	2LF							

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TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATSI	CHEAL	IPOHE	HELAN
53A	V-23031	0.88 L	0.026 lb/ac	2LF	0	35	98	98	75	95	85
53B	CHLORIMURON	25.00 DF	0.006 lb/ac	2LF							
53C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
54A	V-23031	0.88 L	0.053 lb/ac	2LF	0	53	95	95	73	98	88
54B	CHLORIMURON	25.00 DF	0.006 lb/ac	2LF							
54C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
55A	V-23031	0.88 L	0.026 lb/ac	2LF	3	35	90	95	83	88	85
55B	BENTAZON	4.00 E	0.500 lb/ac	2LF							
55C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
56A	V-23031	0.88 L	0.053 lb/ac	2LF	0	30	100	93	88	90	78
56B	BENTAZON	4.00 E	0.500 lb/ac	2LF							
56C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
57A	V-23031	0.88 L	0.026 lb/ac	2LF	0	70	83	88	70	83	70
57B	FOMESAFEN	2.00 LC	0.150 lb/ac	2LF							
57C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
58A	V-23031	0.88 L	0.053 lb/ac	2LF	0	70	93	90	78	93	80
58B	FOMESAFEN	2.00 LC	0.150 lb/ac	2LF							
58C	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
59A	V-23031	0.88 L	0.026 lb/ac	2LF	0	58	83	83	75	83	58
59B	ACIFLUORFEN	2.00 L	0.250 lb/ac	2LF							
59C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
60A	V-23031	0.88 L	0.053 lb/ac	2LF	0	55	93	90	75	85	73
60B	ACIFLUORFEN	2.00 L	0.250 lb/ac	2LF							
60C	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
61	2,4-DB	2.00 E	0.030 lb/ac	2LF	0	8	55	58	50	65	45
62A	2,4-DB	2.00 E	0.030 lb/ac	2LF	0	13	50	55	50	60	43
62B	CROP OIL	0.00 AD	0.500 qt/ac	2LF							
63A	CHLORIMURON	25.00 DF	0.012 lb/ac	2LF	3	25	98	93	65	98	93
63B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
64A	BENTAZON	4.00 E	1.000 lb/ac	2LF	0	10	100	95	93	90	88
64B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE	NELAN
65A	FOMESAFEN	2.00 LC	0.313 lb/ac	2LF	0	63	88	88	63	88	78
65B	CROP OIL	0.00 AD	1.000 qt/ac	2LF							
66A	ACIFLUORFEN	2.00 L	0.500 lb/ac	2LF	0	83	95	90	68	93	78
66B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2LF							
67	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100	100
68	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100	100
LSD(.05) :					3	21	15	16	14	14	17

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %  
 DATE TREATED : PRE MAY 12  
 CRK MAY22  
 COT MAY24  
 UN MAY 27  
 1TR MAY30  
 2TR JUNE 1  
 2LF MAY 30  
 4LF JUNE 5



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	93	8	98	100	98	100	98
1B	BENTAZON	4.00 E	0.500 lb/ac	MP								
1C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP								
1D	CROP OIL	0.00 AD	1.000 qt/ac	MP								
2A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	95	85	8	98	83	98	100	100
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
2C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP								
3A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	100	85	13	100	78	98	100	100
3B	METHYLATED SUNFLOWER	0.00 AD	1.000 qt/ac	MP								
3C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP								
4A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	98	83	0	100	83	93	100	100
4B	DASH	0.00 AD	0.250 qt/ac	MP								
4C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP								
5A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	100	85	8	100	70	95	100	98
5B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
5C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
5D	CROP OIL	0.00 AD	1.000 qt/ac	MP								
6A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	98	95	15	98	98	98	100	100
6B	M6316	25.00 DF	0.001 lb/ac	MP								
6C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
6D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
6E	CROP OIL	0.00 AD	1.000 qt/ac	LP								
7A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	100	90	23	100	95	95	100	100
7B	M6316	25.00 DF	0.002 lb/ac	MP								
7C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
7D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
7E	CROP OIL	0.00 AD	1.000 qt/ac	LP								
8A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	98	93	15	98	98	98	100	100
8B	M6316	25.00 DF	0.003 lb/ac	MP								
8C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
8D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
8E	CROP OIL	0.00 AD	1.000 qt/ac	LP								
9A	M6316	25.00 DF	0.001 lb/ac	MP	100	75	0	100	80	83	98	98
9B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
9C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
9D	CROP OIL	0.00 AD	1.000 qt/ac	LP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
10A	M6316	25.00 DF	0.002 lb/ac	MP	93	83	3	95	100	93	100	100
10B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
10C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
10D	CROP OIL	0.00 AD	1.000 qt/ac	LP								
11A	M6316	25.00 DF	0.003 lb/ac	MP	98	85	3	98	95	88	100	100
11B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
11C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
11D	CROP OIL	0.00 AD	1.000 qt/ac	LP								
12A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	100	10	93	100	100	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PRE								
12C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
13A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	100	8	90	100	98	100	100
13B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
13C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
13D	CROP OIL	0.00 AD	1.000 qt/ac	MP								
14A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	88	93	20	88	93	100	100	100
14B	CHLORIMURON	25.00 DF	0.008 lb/ac	LP								
14C	2,4-DB	2.00 E	0.003 lb/ac	LP								
14D	CROP OIL	0.00 AD	1.000 qt/ac	LP								
15A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	85	5	98	93	98	100	98
15B	IMAZAQUIN + ACIFLUOR	0.00	0.125 lb/ac	MP								
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
16A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	98	3	100	98	100	100	100
16B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
17A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	90	5	100	95	93	100	100
17B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	90	5	100	95	100	100	100
18B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP								
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP								
19A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	95	3	95	95	98	100	100
19B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
19C	CROP OIL	0.00 AD	1.000 qt/ac	EP								

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
20A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	93	5	95	93	95	100	100
20B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
20C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
21A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	93	10	95	93	100	100	100
21B	CHLORIMURON	25.00 DF	0.008 lb/ac	LP								
21C	CROP OIL	0.00 AD	1.000 qt/ac	LP								
22A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	90	5	100	98	98	100	98
22B	ACIFLUORFEN 2	2.00 L	0.500 lb/ac	EP								
22C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP								
23A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	98	90	13	98	100	95	100	93
23B	ACIFLUORFEN 2	2.00 L	0.500 lb/ac	EP								
23C	CROP OIL	0.00 AD	1.000 qt/ac	EP								
24A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	95	5	100	100	98	100	100
24B	ACIFLUORFEN 2	2.00 L	0.250 lb/ac	EP								
24C	BENTAZON	4.00 E	0.500 lb/ac	EP								
24D	CROP OIL	0.00 AD	0.500 qt/ac	EP								
25A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	90	5	100	100	93	100	100
25B	ACIFLUORFEN 2	2.00 L	0.250 lb/ac	EP								
25C	BENTAZON	4.00 E	0.500 lb/ac	EP								
25D	LIQUID FERTILIZER	0.00 AD	5.000 qt/ac	EP								
26A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	100	83	3	100	90	95	95	95
26B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
26C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
26D	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
27A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	98	90	0	98	93	95	100	95
27B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
27C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
27D	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
28A	FOMESAFEN	2.00 LC	0.375 lb/ac	MP	98	90	0	98	88	95	100	95
28B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
28C	FLUAZIFOP-BUYTL	1.00 E	0.288 lb/ac	+7D								
28D	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
29A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	98	95	10	98	95	98	100	98
29B	2,4-DB	2.00 E	0.031 lb/ac	MP								
29C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
29D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
29E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	MELAN
30A	FOMESAFEN	2.00 LC	0.375 lb/ac	MP	98	93	8	98	93	98	100	100
30B	2,4-DB	2.00 E	0.031 lb/ac	MP								
30C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
30D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
30E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
31A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	100	93	5	100	93	98	100	100
31B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
31C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
31D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
31E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
32A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	100	98	5	100	100	98	100	100
32B	BENTAZON	4.00 E	0.500 lb/ac	MP								
32C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
32D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
32E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
33A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	98	83	0	98	73	98	100	100
33B	IMAZAQUIN	1.50 AS	0.035 lb/ac	MP								
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
33D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
33E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
34A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	98	93	5	98	93	98	100	100
34B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
34C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
34D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
34E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
35A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	83	98	0	100	100	98	100	100
35B	M6316	25.00 DF	0.002 lb/ac	MP								
35C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
35D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D								
35E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								
36A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	95	90	3	95	85	93	100	100
36B	CROP OIL	0.00 AD	1.000 qt/ac	MP								
37A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	93	83	25	93	90	93	100	98
37B	2,4-DB	2.00 E	0.031 lb/ac	MP								
37C	CROP OIL	0.00 AD	0.000 qt/ac	MP								

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
38A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	98	93	5	95	95	98	100	100
38B	BENTAZON	4.00 E	0.500 lb/ac	MP								
38C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
39A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	98	90	0	98	93	93	100	100
39B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	MP								
39C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
40A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	95	85	0	95	93	90	95	100
40B	BENTAZON	4.00 E	1.000 lb/ac	MP								
40C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
41A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	75	73	0	75	53	88	98	90
41B	IMAZAQUIN	1.50 AS	0.060 lb/ac	MP								
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
42A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	100	83	13	100	75	95	100	98
42B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
42C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
43A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	100	48	0	100	38	70	75	53
43B	CHLORIMURON	25.00 DF	0.012 lb/ac	MP								
43C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
44A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	98	80	0	98	80	90	98	93
44B	FOMESAFEN	2.00 LC	0.125 lb/ac	MP								
44C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
45A	QUIZALOFOP	0.80 L	0.125 lb/ac	MP	100	88	3	100	80	100	100	100
45B	FOMESAFEN	2.00 LC	0.313 lb/ac	MP								
45C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
46A	QUIZALOFOP	0.80 L	0.125 lb/ac	MP	98	80	0	100	83	93	100	95
46B	FOMESAFEN	2.00 LC	0.375 lb/ac	MP								
46C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
47A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	95	98	0	95	100	100	100	100
47B	BENTAZON	4.00 E	0.500 lb/ac	MP								
47C	CROP OIL	0.00 AD	1.000 qt/ac	MP								
47D	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D								
47E	CROP OIL	0.00 AD	1.000 qt/ac	+7D								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
48A	BENTAZON	4.00 E	0.750 lb/ac	MP	95	90	5	95	90	98	100	100
48B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
48D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP								
LSD(.05) :					15	9	7	16	16	9	7	9

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.3 O.M. : 3.90 %  
 DATE TREATED : PRE MAY 12  
 EP JUNE 1  
 MP JUNE 3  
 LP JUNE 7  
 +7D JUNE 10

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	10	98	98	88	100	95
1B	BENTAZON	4.00 E	0.500 lb/ac	MP						
1C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP						
1D	CROP OIL	0.00 AD	1.000 qt/ac	MP						
2A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	98	73	83	100	100
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
2C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP						
3A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	8	100	63	93	98	100
3B	METHYLATED SUNFLOWER	0.00 AD	1.000 qt/ac	MP						
3C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP						
4A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	100	80	88	100	98
4B	DASH	0.00 AD	0.250 qt/ac	MP						
4C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP						
5A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	3	100	43	95	100	98
5B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
5C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
5D	CROP OIL	0.00 AD	1.000 qt/ac	MP						
6A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	10	98	95	95	100	100
6B	M6316	25.00 DF	0.001 lb/ac	MP						
6C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
6D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
6E	CROP OIL	0.00 AD	1.000 qt/ac	LP						
7A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	18	95	90	90	100	100
7B	M6316	25.00 DF	0.002 lb/ac	MP						
7C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
7D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
7E	CROP OIL	0.00 AD	1.000 qt/ac	LP						
8A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	10	95	98	98	100	100
8B	M6316	25.00 DF	0.003 lb/ac	MP						
8C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
8D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
8E	CROP OIL	0.00 AD	1.000 qt/ac	LP						
9A	M6316	25.00 DF	0.001 lb/ac	MP	0	98	80	60	98	98
9B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
9C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
9D	CROP OIL	0.00 AD	1.000 qt/ac	LP						

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
10A	M6316	25.00 DF	0.002 lb/ac	MP	0	93	100	43	100	95
10B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
10C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
10D	CROP OIL	0.00 AD	1.000 qt/ac	LP						
11A	M6316	25.00 DF	0.003 lb/ac	MP	3	98	95	63	100	100
11B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
11C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
11D	CROP OIL	0.00 AD	1.000 qt/ac	LP						
12A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	90	95	98	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PRE						
12C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP						
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
13A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	83	100	95	100	100
13B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
13C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP						
13D	CROP OIL	0.00 AD	1.000 qt/ac	MP						
14A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	13	83	85	100	100	100
14B	CHLORIMURON	25.00 DF	0.008 lb/ac	LP						
14C	2,4-DB	2.00 E	0.003 lb/ac	LP						
14D	CROP OIL	0.00 AD	1.000 qt/ac	LP						
15A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	93	88	95	100	98
15B	IMAZAQUIN + ACIFLUOR	0.00	0.125 lb/ac	MP						
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
16A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	100	98	100	100	100
16B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
17A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	100	95	90	100	100
17B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
18A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	100	90	85	100	100
18B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	LP						
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP						
19A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	93	95	95	100	100
19B	CHLORIMURON	25.00 DF	0.008 lb/ac	EP						
19C	CROP OIL	0.00 AD	1.000 qt/ac	EP						



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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	AMARE	MELAN
20A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	5	93	88	88	100	100
20B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP						
20C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
21A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	93	93	100	100	100
21B	CHLORIMURON	25.00 DF	0.008 lb/ac	LP						
21C	CROP OIL	0.00 AD	1.000 qt/ac	LP						
22A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	100	95	88	100	95
22B	ACIFLUORFEN 2	2.00 L	0.500 lb/ac	EP						
22C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP						
23A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	93	78	93	100	93
23B	ACIFLUORFEN 2	2.00 L	0.500 lb/ac	EP						
23C	CROP OIL	0.00 AD	1.000 qt/ac	EP						
24A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	95	100	80	100	100
24B	ACIFLUORFEN 2	2.00 L	0.250 lb/ac	EP						
24C	BENTAZON	4.00 E	0.500 lb/ac	EP						
24D	CROP OIL	0.00 AD	0.500 qt/ac	EP						
25A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	98	98	88	100	100
25B	ACIFLUORFEN 2	2.00 L	0.250 lb/ac	EP						
25C	BENTAZON	4.00 E	0.500 lb/ac	EP						
25D	LIQUID FERTILIZER	0.00 AD	5.000 qt/ac	EP						
26A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	95	83	88	93	83
26B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
26C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
26D	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
27A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	0	95	80	83	93	90
27B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
27C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
27D	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
28A	FOMESAFEN	2.00 LC	0.375 lb/ac	MP	0	95	83	88	100	95
28B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
28C	FLUAZIFOP-BUYTL	1.00 E	0.288 lb/ac	+7D						
28D	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
29A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	5	93	90	98	100	98
29B	2,4-DB	2.00 E	0.031 lb/ac	MP						
29C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
29D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
29E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	AMARE	NELAN
30A	FOMESAFEN	2.00 LC	0.375 lb/ac	MP	3	95	88	93	100	100
30B	2,4-DB	2.00 E	0.031 lb/ac	MP						
30C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
30D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
30E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
31A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	90	88	95	100	95
31B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP						
31C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
31D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
31E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
32A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	3	95	98	95	100	100
32B	BENTAZON	4.00 E	0.500 lb/ac	MP						
32C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
32D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
32E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
33A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	95	50	75	100	100
33B	IMAZAQUIN	1.50 AS	0.035 lb/ac	MP						
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
33D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
33E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
34A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	93	93	98	100	100
34B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
34C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
34D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
34E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
35A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	95	100	98	100	98
35B	M6316	25.00 DF	0.002 lb/ac	MP						
35C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
35D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	+7D						
35E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						
36A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	0	90	85	85	100	100
36B	CROP OIL	0.00 AD	1.000 qt/ac	MP						
37A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	10	93	83	88	100	98
37B	2,4-DB	2.00 E	0.031 lb/ac	MP						
37C	CROP OIL	0.00 AD	0.000 qt/ac	MP						

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPONE	AMARE	HELAN
38A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	5	93	93	93	100	100
38B	BENTAZON	4.00 E	0.500 lb/ac	MP						
38C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
39A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	0	95	88	88	100	100
39B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	MP						
39C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
40A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	95	88	70	93	100
40B	BENTAZON	4.00 E	1.000 lb/ac	MP						
40C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
41A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	78	33	48	93	90
41B	IMAZAQUIN	1.50 AS	0.060 lb/ac	MP						
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
42A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	13	98	58	85	100	98
42B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
42C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
43A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	100	28	43	55	65
43B	CHLORIMURON	25.00 DF	0.012 lb/ac	MP						
43C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
44A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	98	70	60	98	83
44B	FOMESAFEN	2.00 LC	0.125 lb/ac	MP						
44C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
45A	QUIZALOFOP	0.80 L	0.125 lb/ac	MP	0	98	53	93	100	88
45B	FOMESAFEN	2.00 LC	0.313 lb/ac	MP						
45C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
46A	QUIZALOFOP	0.80 L	0.125 lb/ac	MP	0	95	70	78	100	93
46B	FOMESAFEN	2.00 LC	0.375 lb/ac	MP						
46C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
47A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	90	100	98	100	100
47B	BENTAZON	4.00 E	0.500 lb/ac	MP						
47C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
47D	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D						
47E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
48A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	98	90	88	100	100
48B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
48D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP						
LSD(.05) :					6	9	23	16	9	13

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.3 O.M. : 3.90 %  
 DATE TREATED : PRE MAY 12  
 EP JUNE 1  
 MP JUNE 7  
 LP JUNE 7  
 +7D JUNE 10

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TABLE S9017 NO-TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	AMBEL	POLPY	CRIN	SETFA	IPOHE	AMBEL	POLPY
1A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	75	90	0	75	98	100	95	0	75	98	100	95
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
1C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
2A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	80	90	0	80	100	100	98	0	78	98	100	98
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
3A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	63	90	0	63	95	100	98	0	55	95	100	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
3C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
4A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	78	90	0	78	98	100	95	0	70	98	100	95
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
4C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	75	90	0	75	100	100	95	0	65	100	100	95
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	60	90	0	60	98	100	93	0	53	98	100	93
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
6C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	93	68	0	93	98	100	68	0	93	98	100	55
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
7C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	88	88	0	88	100	100	90	0	88	100	100	90
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
8C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
9A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	93	65	0	93	100	100	60	0	93	100	100	43
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
9C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												

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TABLE S9017 NO-TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	AMBEL	POLPY	CRIN	SETFA	IPOHE	AMBEL	POLPY
10A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	85	90	0	85	100	100	90	0	80	100	100	90
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
11A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	45	95	0	45	98	100	100	0	35	98	100	100
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
11C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
12A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	48	90	0	48	98	100	100	0	35	98	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.470 lb/ac	2WP												
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	85	68	0	85	98	100	68	0	80	98	100	50
13B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
13C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	53	28	0	53	50	38	15	0	45	50	28	15
14B	LINURON	50.00 DF	1.000 lb/ac	2WP												
14C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
15A	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP	83	95	0	83	98	100	100	0	78	98	100	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
15C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	100	90	0	100	95	100	100	0	100	95	100	100
16B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
16C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16E	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D												
16F	CROP OIL	0.00 AD	1.000 qt/ac	21D												
17A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	100	93	0	100	95	100	100	0	100	95	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
17E	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D												
17F	CROP OIL	0.00 AD	1.000 qt/ac	21D												

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TABLE S9017 NO-TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	AMBEL	POLPY	CRIN	SETFA	IPOHE	AMBEL	POLPY
18A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	2WP	78	68	0	78	98	100	98	0	78	98	100	98
18B	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
18C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE												
19A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	88	93	0	88	98	100	100	0	83	98	100	100
19B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
19C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
20A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	80	90	0	80	98	100	100	0	75	98	100	100
20B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
20C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
21A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	73	90	0	73	98	100	100	0	63	98	100	100
21B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
21C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
22A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	80	90	0	80	98	100	95	0	80	98	100	95
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
22C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
23A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	85	90	0	85	100	100	95	0	85	100	100	95
23B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
24A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	78	90	0	78	98	100	95	0	78	98	100	95
24B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
LSD(.05) :					19	18	0	19	18	14	13	0	21	18	14	18

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 18  
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
 DATE TREATED : 2WP APRIL 21  
 PRE MAY 18  
 21D JUNE 9

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9018 MINIMUM TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-----8 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ERICA	CRIN	SETFA	IPOHE	POLPY	ERICA
1A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	83	85	0	83	98	93	93	0	83	98	93	93
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
1C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
2A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	88	90	0	88	95	95	100	0	88	95	95	100
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
3A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	93	88	0	93	100	95	98	0	93	100	95	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
3C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
4A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	90	88	0	90	100	95	93	0	90	100	93	93
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
4C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	90	80	0	90	100	68	100	0	90	100	68	100
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	90	90	0	90	98	90	98	0	90	98	90	98
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
6C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	93	70	0	93	98	53	100	0	93	98	48	100
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
7C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	90	88	0	90	100	80	100	0	90	100	73	100
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
8C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
9A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	95	78	0	95	98	65	100	0	95	98	63	100
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
9C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9018 MINIMUM TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-----8 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ERICA	CRIN	SETFA	IPOHE	POLPY	ERICA
10A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	98	83	0	98	100	68	98	0	98	100	65	98
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
11A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	85	95	0	85	100	100	100	0	83	100	100	100
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
11C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
12A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	93	95	0	93	95	100	100	0	93	95	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.470 lb/ac	2WP												
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	90	78	0	90	100	65	100	0	90	100	63	100
13B	IMAZAQUIM	1.50 AS	0.125 lb/ac	2WP												
13C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	68	80	0	68	100	73	98	0	60	100	73	98
14B	LINURON	50.00 DF	1.000 lb/ac	2WP												
14C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
15A	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP	90	93	0	90	95	100	100	0	90	95	100	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
15C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	90	90	0	90	98	100	100	0	90	98	100	100
16B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
16C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16E	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D												
16F	CROP OIL	0.00 AD	1.000 qt/ac	21D												
17A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	93	95	0	93	100	100	100	0	93	100	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
17E	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D												
17F	CROP OIL	0.00 AD	1.000 qt/ac	21D												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9018 MINIMUM TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-----8 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ERICA	CRIN	SETFA	IPOHE	POLPY	ERICA
18A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	2WP	98	95	0	98	95	100	100	0	98	95	100	100
18B	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
18C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE												
19A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	85	95	0	85	100	100	100	0	83	100	100	100
19B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
19C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
20A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	88	93	0	88	98	100	100	0	88	98	100	100
20B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
20C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
21A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	93	90	0	93	93	100	100	0	93	93	100	100
21B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
21C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
22A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	90	95	0	90	98	100	100	0	90	98	100	100
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
22C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
23A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	90	90	0	90	98	100	95	0	90	98	100	95
23B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
24A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	90	88	0	90	100	95	88	0	90	100	95	83
24B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
LSD(.05) :					11	12	0	11	NS	28	6	0	14	NS	29	8

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 18  
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.4  
 DATE TREATED : 2WP APRIL 21  
 PRE MAY 18  
 21D JUNE 9  
 O.M. : 4.50 %

MINIMUM TILL WAS CHISILED IN THE FALL AND FIELD CULTIVATED IN THE SPRING.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	93	67	13	93	100	97	87	63	77
1B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE									
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE									
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	80	77	3	80	77	80	97	93	83
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
2C	PARAQUAT	1.50 S	0.280 lb/ac	PRE									
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
3A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	90	80	3	90	93	77	97	100	97
3B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE									
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
3E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
3F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
4A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	90	0	97	97	90	97	100	90
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
4E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
4F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
5A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	83	3	100	97	93	90	93	93
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
6A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	83	0	97	100	100	87	90	90
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	93	3	100	100	100	100	93	90
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	87	17	100	93	100	87	93	97
8B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
8C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
9A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	70	20	100	100	100	77	77	87
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	0	100	100	100	97	93	97
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	87	0	100	97	97	97	90	100
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
11D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP									
11E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
12A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	97	67	0	97	97	100	80	60	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
12C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
13A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	100	67	10	100	97	100	80	77	97
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	57	7	100	97	100	77	70	87
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
14C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	97	53	20	97	100	100	70	60	90
15B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
15D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
16A	PARAQUAT	1.50 S	0.380 lb/ac	PRE	97	67	13	97	97	100	80	63	67
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
16C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	67	7	100	97	90	93	53	87
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	97	53	3	97	97	97	80	57	73
18B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
18D	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP									
18E	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP									
18F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
19	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	93	70	0	93	90	80	80	90	67
20	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	90	7	100	100	97	90	97	83
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	83	0	97	87	87	93	100	100
22A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	93	83	3	93	100	77	100	97	93
22B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	87	93	7	87	97	97	100	97	97
23B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
24A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	87	0	97	93	83	100	100	97
24B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	93	90	3	93	100	90	100	100	87
25B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
25C	ALACHLOR	4.00 E	1.000 lb/ac	PRE									
26A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	73	7	97	90	77	97	87	93
26B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
26C	ALACHLOR	4.00 E	2.000 lb/ac	PRE									
27A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	63	70	10	63	60	93	67	100	70
27B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
28A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	90	7	97	100	97	90	100	87
28B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	83	3	97	100	87	87	100	100
29B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
30A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	100	90	17	100	100	93	100	100	100
30B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
30C	ALACHLOR	4.00 E	2.000 lb/ac	PRE									
31A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	93	87	7	93	97	87	93	100	73
31B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
31C	ALACHLOR	4.00 E	1.000 lb/ac	PRE									
32A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	100	83	7	100	97	83	100	97	83
32B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
33A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	90	7	100	97	97	97	100	87
33B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
34A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	90	10	100	100	97	97	100	97
34B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
35A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	90	7	97	93	93	100	100	93
35B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
35C	ALACHLOR	4.00 E	2.000 lb/ac	PRE									
36A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	90	7	100	100	93	93	100	90
36B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
36C	ALACHLOR	4.00 E	1.000 lb/ac	PRE									
37A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	90	3	97	90	100	97	97	90
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
38A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	93	3	97	100	93	100	100	97
38B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
39A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	73	0	97	90	77	97	90	87
39B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE									
39C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
39D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
40A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	87	10	97	87	87	100	83	90
40B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
40C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
40D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
41A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	63	3	97	100	100	97	37	80
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
41C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	77	10	100	93	87	97	73	93
42B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE									
42C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
42D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
43A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	87	13	100	100	93	83	93	97
43B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE									
43C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
44A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	97	87	10	97	100	100	97	87	93
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
44C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
45A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	97	77	10	97	97	97	83	77	97
45B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
45C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
46A	LINURON	50.00 DF	1.000 lb/ac	PRE	97	60	10	97	100	100	67	63	97
46B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
46C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
46D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP									
46E	CROP OIL	0.00 AD	1.000 qt/ac	MP									
47A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	90	80	20	90	97	87	100	87	100
47B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
47C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
47D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP									
47E	CROP OIL	0.00 AD	1.000 qt/ac	MP									
48A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	90	93	3	90	100	97	93	93	100
48B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
48D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP									
48E	CROP OIL	0.00 AD	1.000 qt/ac	MP									
				LSD(.05) :	NS	16	11	NS	5	14	18	24	NS

LOCATION : SPINDLETOP FARM  
FERTILIZER APPLIED (LB/ACRE): 60 N,  
DATE PLANTED : MAY 18  
VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
DATE TREATED : PRE MAY 18  
EP JUNE 7  
MP JUNE 20



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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	17	93	100	100	100	70	97
1B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE							
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE							
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	33	83	90	93	97	87	97
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
2C	PARAQUAT	1.50 S	0.280 lb/ac	PRE							
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
3A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	3	87	97	93	100	100	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE							
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
3E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
3F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
4A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	93	100	87	100	100	87
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
4E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
4F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
5A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	3	90	90	97	97	93	93
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
6A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	87	100	100	93	93	93
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	13	100	97	100	100	90	93
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	3	100	100	100	93	93	97
8B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
8C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							
9A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	20	100	100	100	83	87	90
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	3	90	97	97	100	90	93
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	3	97	100	97	100	97	100
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
11D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP							
11E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
12A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	3	97	100	100	83	77	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
12C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
13A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	20	97	100	100	90	73	93
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	0	100	100	100	80	43	93
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
14C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	23	100	100	100	90	53	90
15B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
15D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							
16A	PARAQUAT	1.50 S	0.380 lb/ac	PRE	23	100	100	100	90	70	90
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
16C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	0	100	100	97	97	73	87
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	10	100	100	100	83	70	67
18B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
18D	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP							
18E	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP							
18F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
19	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	0	100	83	83	87	90	80
20	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	3	97	97	97	90	90	90
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	97	97	93	93	100	100
22A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	3	97	100	90	100	100	93
22B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	10	83	100	100	100	97	97
23B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
24A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	77	100	80	100	100	97
24B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	3	87	100	90	100	100	80
25B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
25C	ALACHLOR	4.00 E	1.000 lb/ac	PRE							
26A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	3	93	97	77	97	93	93
26B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
26C	ALACHLOR	4.00 E	2.000 lb/ac	PRE							
27A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	7	100	93	93	87	97	90
27B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
28A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	7	97	100	97	93	97	83
28B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	3	90	100	90	97	100	97
29B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
30A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	3	93	100	93	97	93	97
30B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
30C	ALACHLOR	4.00 E	2.000 lb/ac	PRE							
31A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	0	90	100	87	93	100	77
31B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
31C	ALACHLOR	4.00 E	1.000 lb/ac	PRE							
32A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	7	97	97	87	97	100	87
32B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
33A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	13	97	100	97	100	100	97
33B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
34A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	3	87	100	90	97	100	97
34B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
35A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	7	93	100	90	100	97	80
35B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
35C	ALACHLOR	4.00 E	2.000 lb/ac	PRE							
36A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	3	97	97	97	100	100	87
36B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
36C	ALACHLOR	4.00 E	1.000 lb/ac	PRE							
37A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	7	83	93	97	93	90	90
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
38A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	10	93	100	87	100	93	100
38B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
39A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	97	97	80	93	90	90
39B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE							
39C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
39D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
40A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	3	97	100	100	97	77	90
40B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
40C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
40D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
41A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	7	100	100	100	100	57	90
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
41C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	97	100	90	100	73	97
42B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE							
42C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
42D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
43A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	17	100	100	93	97	83	100
43B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE							
43C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
44A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	90	100	100	93	80	90
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
44C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
45A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	7	87	100	100	90	77	100
45B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
45C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
46A	LINURON	50.00 DF	1.000 lb/ac	PRE	0	100	100	100	73	60	97
46B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
46C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
46D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP							
46E	CROP OIL	0.00 AD	1.000 qt/ac	MP							
47A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	13	83	97	87	100	87	93
47B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
47C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
47D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP							
47E	CROP OIL	0.00 AD	1.000 qt/ac	MP							
48A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	17	63	100	93	97	93	100
48B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
48D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP							
48E	CROP OIL	0.00 AD	1.000 qt/ac	MP							
LSD(.05) :					11	14	5	10	13	15	NS

LOCATION : SPINDLETOP FARM  
FERTILIZER APPLIED (LB/ACRE): 60 N,  
DATE PLANTED : MAY 18  
VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
DATE TREATED : PRE MAY 18  
EP JUNE 7  
MP JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	100	10	100	100	100	100	0	93	100	100	97
1B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE												
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	100	17	97	100	100	100	7	87	100	100	97
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
2C	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
3A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	100	13	100	100	100	100	0	97	100	100	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE												
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
3E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
3F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
4A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	100	23	97	100	100	100	0	87	100	100	97
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
4E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
4F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
5A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	93	0	100	100	100	93	0	90	93	93	90
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
6A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	83	0	100	97	100	93	0	100	100	100	83
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	0	100	100	100	90	0	100	100	100	77
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	7	100	100	93	93	0	100	100	100	87
8B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
8C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
9A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	93	10	100	100	100	97	0	97	97	100	93
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	100	3	100	100	100	100	0	90	100	100	90
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	93	93	3	93	100	100	93	0	87	100	100	87
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
11D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP												
11E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
12A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	100	87	0	100	100	93	90	0	100	100	90	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
12C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
13A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	100	90	0	100	100	93	93	3	100	100	87	93
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	97	87	0	97	100	93	90	0	90	100	93	83
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
14C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	17	100	100	97	90	0	97	100	93	83
15B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
15D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
16A	PARAQUAT	1.50 S	0.380 lb/ac	PRE	97	93	20	97	100	100	93	0	100	100	93	83
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												



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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	93	93	0	93	100	97	93	0	100	100	100	83
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	77	37	0	77	97	40	73	0	67	87	43	77
18B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
18D	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP												
18E	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP												
18F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
19	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	93	73	0	93	93	100	73	0	83	93	100	77
20	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	83	0	97	97	90	90	3	97	97	83	80
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	90	0	100	100	100	90	0	93	90	87	77
22A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	10	97	100	100	100	0	90	97	100	93
22B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	0	100	100	100	100	0	93	100	100	100
23B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
24A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	100	10	97	100	100	100	0	97	100	100	97
24B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	97	7	100	97	100	100	0	97	97	100	100
25B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
25C	ALACHLOR	4.00 E	1.000 lb/ac	PRE												
26A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	13	97	100	100	100	0	100	100	100	97
26B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
26C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
27A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	87	93	0	87	97	100	97	0	77	97	100	90
27B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
28A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	100	20	97	100	100	100	0	90	100	93	93
28B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	93	10	97	97	100	97	0	93	100	100	90
29B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												

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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-----8 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIM	SETFA	IPOHE	POLPY	ACCOS	CRIM	SETFA	IPOHE	POLPY	ACCOS
30A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	100	97	13	100	97	100	97	3	100	97	100	97
30B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
30C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
31A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	13	100	100	100	100	0	97	100	100	93
31B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
31C	ALACHLOR	4.00 E	1.000 lb/ac	PRE												
32A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	7	97	100	100	100	0	90	100	100	90
32B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
33A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	100	13	97	100	100	100	3	97	100	100	97
33B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
34A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	100	30	100	100	100	100	0	93	97	100	97
34B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
35A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	13	97	100	100	100	0	90	100	100	97
35B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
35C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
36A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	10	100	100	100	100	0	100	100	100	100
36B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
36C	ALACHLOR	4.00 E	1.000 lb/ac	PRE												
37A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	90	3	97	97	97	93	0	97	97	93	97
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
38A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	100	17	100	100	100	100	7	97	100	100	100
38B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE												
39A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	97	7	97	97	100	100	0	93	97	100	97
39B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE												
39C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
39D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
40A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	83	3	100	100	87	97	0	100	100	80	90
40B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
40C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
40D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
41A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	93	10	100	97	100	97	0	100	97	97	90
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
41C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												

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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	97	7	100	97	100	100	0	97	87	100	97
42B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE												
42C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
42D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
43A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	100	30	100	100	100	100	10	100	100	100	100
43B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
43C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
44A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	93	97	3	93	100	100	97	0	97	97	97	90
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
44C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
45A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	83	3	100	97	97	87	0	100	100	90	97
45B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
45C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
46A	LINURON	50.00 DF	1.000 lb/ac	PRE	83	83	0	83	90	93	90	0	77	100	93	83
46B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
46C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
46D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP												
46E	CROP OIL	0.00 AD	1.000 qt/ac	MP												
47A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	97	100	17	97	100	100	100	0	90	100	100	93
47B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
47C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
47D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP												
47E	CROP OIL	0.00 AD	1.000 qt/ac	MP												
48A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	87	100	10	87	100	100	97	0	80	97	100	97
48B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
48D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP												
48E	CROP OIL	0.00 AD	1.000 qt/ac	MP												
LSD(.05) :					NS	NS	15	3	9	9	28	4	4	9	27	12

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPONE	AMARE	HELAN
38A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	5	93	93	93	100	100
38B	BENTAZON	4.00 E	0.500 lb/ac	MP						
38C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
39A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP	0	95	88	88	100	100
39B	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	MP						
39C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
40A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	95	88	70	93	100
40B	BENTAZON	4.00 E	1.000 lb/ac	MP						
40C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
41A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	78	33	48	93	90
41B	IMAZAQUIN	1.50 AS	0.060 lb/ac	MP						
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
42A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	13	98	58	85	100	98
42B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
42C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
43A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	100	28	43	55	65
43B	CHLORIMURON	25.00 DF	0.012 lb/ac	MP						
43C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
44A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	98	70	60	98	83
44B	FOMESAFEN	2.00 LC	0.125 lb/ac	MP						
44C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
45A	QUIZALOFOP	0.80 L	0.125 lb/ac	MP	0	98	53	93	100	88
45B	FOMESAFEN	2.00 LC	0.313 lb/ac	MP						
45C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
46A	QUIZALOFOP	0.80 L	0.125 lb/ac	MP	0	95	70	78	100	93
46B	FOMESAFEN	2.00 LC	0.375 lb/ac	MP						
46C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
47A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	90	100	98	100	100
47B	BENTAZON	4.00 E	0.500 lb/ac	MP						
47C	CROP OIL	0.00 AD	1.000 qt/ac	MP						
47D	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D						
47E	CROP OIL	0.00 AD	1.000 qt/ac	+7D						

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TABLE S9027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	IPOHE	AMARE	HELAN
48A	BENTAZON	4.00 E	0.750 lb/ac	MP	0	98	90	88	100	100
48B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
48D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP						
LSD(.05) :					6	9	23	16	9	13

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 60 P, 60 K, pH : 6.3 O.M. : 3.90 %  
 DATE TREATED : PRE MAY 12  
 EP JUNE 1  
 MP JUNE 7  
 LP JUNE 7  
 +7D JUNE 10

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9017 NO-TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	AMBEL	POLPY	CRIN	SETFA	IPOHE	AMBEL	POLPY
1A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	75	90	0	75	98	100	95	0	75	98	100	95
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
1C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
2A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	80	90	0	80	100	100	98	0	78	98	100	98
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
3A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	63	90	0	63	95	100	98	0	55	95	100	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
3C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
4A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	78	90	0	78	98	100	95	0	70	98	100	95
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
4C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	75	90	0	75	100	100	95	0	65	100	100	95
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	60	90	0	60	98	100	93	0	53	98	100	93
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
6C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	93	68	0	93	98	100	68	0	93	98	100	55
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
7C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	88	88	0	88	100	100	90	0	88	100	100	90
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
8C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
9A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	93	65	0	93	100	100	60	0	93	100	100	43
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
9C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9017 NO-TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	AMBEL	POLPY	CRIN	SETFA	IPOHE	AMBEL	POLPY
10A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	85	90	0	85	100	100	90	0	80	100	100	90
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
11A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	45	95	0	45	98	100	100	0	35	98	100	100
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
11C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
12A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	48	90	0	48	98	100	100	0	35	98	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.470 lb/ac	2WP												
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	85	68	0	85	98	100	68	0	80	98	100	50
13B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
13C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	53	28	0	53	50	38	15	0	45	50	28	15
14B	LINURON	50.00 DF	1.000 lb/ac	2WP												
14C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
15A	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP	83	95	0	83	98	100	100	0	78	98	100	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
15C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	100	90	0	100	95	100	100	0	100	95	100	100
16B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
16C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16E	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D												
16F	CROP OIL	0.00 AD	1.000 qt/ac	21D												
17A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	100	93	0	100	95	100	100	0	100	95	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
17E	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D												
17F	CROP OIL	0.00 AD	1.000 qt/ac	21D												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9017 NO-TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	AMBEL	POLPY	CRIN	SETFA	IPOHE	AMBEL	POLPY
18A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	2WP	78	68	0	78	98	100	98	0	78	98	100	98
18B	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
18C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE												
19A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	88	93	0	88	98	100	100	0	83	98	100	100
19B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
19C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
20A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	80	90	0	80	98	100	100	0	75	98	100	100
20B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
20C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
21A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	73	90	0	73	98	100	100	0	63	98	100	100
21B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
21C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
22A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	80	90	0	80	98	100	95	0	80	98	100	95
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
22C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
23A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	85	90	0	85	100	100	95	0	85	100	100	95
23B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
24A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	78	90	0	78	98	100	95	0	78	98	100	95
24B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
LSD(.05) :					19	18	0	19	18	14	13	0	21	18	14	18

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 18  
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
 DATE TREATED : 2WP APRIL 21  
 PRE MAY 18  
 21D JUNE 9



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9018 MINIMUM TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-----8 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ERICA	CRIN	SETFA	IPOHE	POLPY	ERICA
1A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	83	85	0	83	98	93	93	0	83	98	93	93
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
1C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
2A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	88	90	0	88	95	95	100	0	88	95	95	100
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
3A	ALACHLOR	4.00 E	2.500 lb/ac	2WP	93	88	0	93	100	95	98	0	93	100	95	98
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
3C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
4A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	90	88	0	90	100	95	93	0	90	100	93	93
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
4C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	90	80	0	90	100	68	100	0	90	100	68	100
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	2WP	90	90	0	90	98	90	98	0	90	98	90	98
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP												
6C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	93	70	0	93	98	53	100	0	93	98	48	100
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
7C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	90	88	0	90	100	80	100	0	90	100	73	100
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
8C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
9A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	95	78	0	95	98	65	100	0	95	98	63	100
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
9C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9018 MINIMUM TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-----8 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ERICA	CRIN	SETFA	IPOHE	POLPY	ERICA
10A	METOLACHLOR	8.00 E	2.500 lb/ac	2WP	98	83	0	98	100	68	98	0	98	100	65	98
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2WP												
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	2WP												
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
11A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	85	95	0	85	100	100	100	0	83	100	100	100
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	2WP												
11C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
12A	METOLACHLOR	8.00 E	2.000 lb/ac	2WP	93	95	0	93	95	100	100	0	93	95	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.470 lb/ac	2WP												
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
13A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	90	78	0	90	100	65	100	0	90	100	63	100
13B	IMAZAQUIM	1.50 AS	0.125 lb/ac	2WP												
13C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	68	80	0	68	100	73	98	0	60	100	73	98
14B	LINURON	50.00 DF	1.000 lb/ac	2WP												
14C	PARAQUAT	1.50 S	0.380 lb/ac	2WP												
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	2WP												
15A	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP	90	93	0	90	95	100	100	0	90	95	100	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
15C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	90	90	0	90	98	100	100	0	90	98	100	100
16B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
16C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16E	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D												
16F	CROP OIL	0.00 AD	1.000 qt/ac	21D												
17A	2,4-D ESTER	4.00 E	0.500 lb/ac	2WP	93	95	0	93	100	100	100	0	93	100	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
17E	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D												
17F	CROP OIL	0.00 AD	1.000 qt/ac	21D												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9018 MINIMUM TILL SOYBEAN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ERICA	CRIN	SETFA	IPOHE	POLPY	ERICA
18A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	2WP	98	95	0	98	95	100	100	0	98	95	100	100
18B	2,4-D ESTER	4.00 E	1.000 lb/ac	2WP												
18C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE												
19A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	85	95	0	85	100	100	100	0	83	100	100	100
19B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
19C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
20A	CHLOR. + METRI. 1:10	75.00 DF	0.248 lb/ac	2WP	88	93	0	88	98	100	100	0	88	98	100	100
20B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
20C	CHLOR. + METRI. 1:10	75.00 DF	0.125 lb/ac	PRE												
21A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	93	90	0	93	93	100	100	0	93	93	100	100
21B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
21C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
22A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2WP	90	95	0	90	98	100	100	0	90	98	100	100
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
22C	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
23A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	90	90	0	90	98	100	95	0	90	98	100	95
23B	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE												
24A	IMAZAQUIN	1.50 AS	0.125 lb/ac	2WP	90	88	0	90	100	95	88	0	90	100	95	83
24B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE												
			LSD(.05) :		11	12	0	11	NS	28	6	0	14	NS	29	8

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 18  
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.4  
 DATE TREATED : 2WP APRIL 21  
 PRE MAY 18  
 21D JUNE 9  
 O.M. : 4.50 %

MINIMUM TILL WAS CHISILED IN THE FALL AND FIELD CULTIVATED IN THE SPRING.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	93	67	13	93	100	97	87	63	77
1B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE									
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE									
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	80	77	3	80	77	80	97	93	83
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
2C	PARAQUAT	1.50 S	0.280 lb/ac	PRE									
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
3A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	90	80	3	90	93	77	97	100	97
3B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE									
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
3E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
3F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
4A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	90	0	97	97	90	97	100	90
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
4E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP									
4F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
5A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	83	3	100	97	93	90	93	93
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
6A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	83	0	97	100	100	87	90	90
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	93	3	100	100	100	100	93	90
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	87	17	100	93	100	87	93	97
8B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
8C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
9A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	70	20	100	100	100	77	77	87
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	0	100	100	100	97	93	97
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	87	0	100	97	97	97	90	100
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
11D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP									
11E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
12A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	97	67	0	97	97	100	80	60	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
12C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
13A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	100	67	10	100	97	100	80	77	97
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	57	7	100	97	100	77	70	87
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
14C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	97	53	20	97	100	100	70	60	90
15B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
15D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									
16A	PARAQUAT	1.50 S	0.380 lb/ac	PRE	97	67	13	97	97	100	80	63	67
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
16C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP									
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP									

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	67	7	100	97	90	93	53	87
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	97	53	3	97	97	97	80	57	73
18B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
18D	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP									
18E	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP									
18F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
19	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	93	70	0	93	90	80	80	90	67
20	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	90	7	100	100	97	90	97	83
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	83	0	97	87	87	93	100	100
22A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	93	83	3	93	100	77	100	97	93
22B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	87	93	7	87	97	97	100	97	97
23B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
24A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	87	0	97	93	83	100	100	97
24B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	93	90	3	93	100	90	100	100	87
25B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
25C	ALACHLOR	4.00 E	1.000 lb/ac	PRE									
26A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	73	7	97	90	77	97	87	93
26B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE									
26C	ALACHLOR	4.00 E	2.000 lb/ac	PRE									
27A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	63	70	10	63	60	93	67	100	70
27B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
28A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	90	7	97	100	97	90	100	87
28B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	83	3	97	100	87	87	100	100
29B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
30A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	100	90	17	100	100	93	100	100	100
30B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
30C	ALACHLOR	4.00 E	2.000 lb/ac	PRE									
31A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	93	87	7	93	97	87	93	100	73
31B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE									
31C	ALACHLOR	4.00 E	1.000 lb/ac	PRE									
32A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	100	83	7	100	97	83	100	97	83
32B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
33A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	90	7	100	97	97	97	100	87
33B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
34A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	90	10	100	100	97	97	100	97
34B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
35A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	90	7	97	93	93	100	100	93
35B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
35C	ALACHLOR	4.00 E	2.000 lb/ac	PRE									
36A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	90	7	100	100	93	93	100	90
36B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE									
36C	ALACHLOR	4.00 E	1.000 lb/ac	PRE									
37A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	90	3	97	90	100	97	97	90
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
38A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	93	3	97	100	93	100	100	97
38B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
39A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	73	0	97	90	77	97	90	87
39B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE									
39C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
39D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
40A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	87	10	97	87	87	100	83	90
40B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
40C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
40D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
41A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	63	3	97	100	100	97	37	80
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
41C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	77	10	100	93	87	97	73	93
42B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE									
42C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
42D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
43A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	87	13	100	100	93	83	93	97
43B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE									
43C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
44A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	97	87	10	97	100	100	97	87	93
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
44C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
45A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	97	77	10	97	97	97	83	77	97
45B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE									
45C	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
46A	LINURON	50.00 DF	1.000 lb/ac	PRE	97	60	10	97	100	100	67	63	97
46B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
46C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
46D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP									
46E	CROP OIL	0.00 AD	1.000 qt/ac	MP									
47A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	90	80	20	90	97	87	100	87	100
47B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
47C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
47D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP									
47E	CROP OIL	0.00 AD	1.000 qt/ac	MP									
48A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	90	93	3	90	100	97	93	93	100
48B	PARAQUAT	1.50 S	0.380 lb/ac	PRE									
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
48D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP									
48E	CROP OIL	0.00 AD	1.000 qt/ac	MP									
				LSD(.05) :	NS	16	11	NS	5	14	18	24	NS



LOCATION : SPINDLETOP FARM  
FERTILIZER APPLIED (LB/ACRE): 60 N,  
DATE PLANTED : MAY 18  
VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
DATE TREATED : PRE MAY 18  
EP JUNE 7  
MP JUNE 20

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	17	93	100	100	100	70	97
1B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE							
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE							
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	33	83	90	93	97	87	97
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
2C	PARAQUAT	1.50 S	0.280 lb/ac	PRE							
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
3A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	3	87	97	93	100	100	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE							
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
3E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
3F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
4A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	93	100	87	100	100	87
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
4E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP							
4F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
5A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	3	90	90	97	97	93	93
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
6A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	87	100	100	93	93	93
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	13	100	97	100	100	90	93
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	3	100	100	100	93	93	97
8B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
8C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							
9A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	20	100	100	100	83	87	90
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	3	90	97	97	100	90	93
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	3	97	100	97	100	97	100
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
11D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP							
11E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
12A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	3	97	100	100	83	77	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
12C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
13A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	20	97	100	100	90	73	93
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	0	100	100	100	80	43	93
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
14C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	23	100	100	100	90	53	90
15B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
15D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							
16A	PARAQUAT	1.50 S	0.380 lb/ac	PRE	23	100	100	100	90	70	90
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
16C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP							
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	0	100	100	97	97	73	87
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	10	100	100	100	83	70	67
18B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
18D	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP							
18E	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP							
18F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							
19	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	0	100	83	83	87	90	80
20	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	3	97	97	97	90	90	90
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	97	97	93	93	100	100
22A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	3	97	100	90	100	100	93
22B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	10	83	100	100	100	97	97
23B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
24A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	77	100	80	100	100	97
24B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	3	87	100	90	100	100	80
25B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
25C	ALACHLOR	4.00 E	1.000 lb/ac	PRE							
26A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	3	93	97	77	97	93	93
26B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE							
26C	ALACHLOR	4.00 E	2.000 lb/ac	PRE							
27A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	7	100	93	93	87	97	90
27B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
28A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	7	97	100	97	93	97	83
28B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	3	90	100	90	97	100	97
29B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
30A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	3	93	100	93	97	93	97
30B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
30C	ALACHLOR	4.00 E	2.000 lb/ac	PRE							
31A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	0	90	100	87	93	100	77
31B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE							
31C	ALACHLOR	4.00 E	1.000 lb/ac	PRE							
32A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	7	97	97	87	97	100	87
32B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
33A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	13	97	100	97	100	100	97
33B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
34A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	3	87	100	90	97	100	97
34B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
35A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	7	93	100	90	100	97	80
35B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
35C	ALACHLOR	4.00 E	2.000 lb/ac	PRE							
36A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	3	97	97	97	100	100	87
36B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE							
36C	ALACHLOR	4.00 E	1.000 lb/ac	PRE							
37A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	7	83	93	97	93	90	90
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
38A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	10	93	100	87	100	93	100
38B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
39A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	97	97	80	93	90	90
39B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE							
39C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
39D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
40A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	3	97	100	100	97	77	90
40B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
40C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
40D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
41A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	7	100	100	100	100	57	90
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
41C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							

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TABLE S9035 NO-TILL SOYBEANS FULL SEASON

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	IPOHE	SOLNO	POLPY	ERICA	LACSE
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	97	100	90	100	73	97
42B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE							
42C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
42D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
43A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	17	100	100	93	97	83	100
43B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE							
43C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
44A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	90	100	100	93	80	90
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
44C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
45A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	7	87	100	100	90	77	100
45B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE							
45C	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
46A	LINURON	50.00 DF	1.000 lb/ac	PRE	0	100	100	100	73	60	97
46B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
46C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
46D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP							
46E	CROP OIL	0.00 AD	1.000 qt/ac	MP							
47A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	13	83	97	87	100	87	93
47B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
47C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
47D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP							
47E	CROP OIL	0.00 AD	1.000 qt/ac	MP							
48A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	17	63	100	93	97	93	100
48B	PARAQUAT	1.50 S	0.380 lb/ac	PRE							
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
48D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP							
48E	CROP OIL	0.00 AD	1.000 qt/ac	MP							
LSD(.05) :					11	14	5	10	13	15	NS

LOCATION : SPINDLETOP FARM  
FERTILIZER APPLIED (LB/ACRE): 60 N,  
DATE PLANTED : MAY 18  
VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
DATE TREATED : PRE MAY 18  
EP JUNE 7  
MP JUNE 20

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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
1A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	100	10	100	100	100	100	0	93	100	100	97
1B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE												
1C	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
2A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	100	17	97	100	100	100	7	87	100	100	97
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
2C	PARAQUAT	1.50 S	0.280 lb/ac	PRE												
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
3A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	100	13	100	100	100	100	0	97	100	100	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.250 lb/ac	PRE												
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
3E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
3F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
4A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	100	23	97	100	100	100	0	87	100	100	97
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
4E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP												
4F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
5A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	93	0	100	100	100	93	0	90	93	93	90
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
6A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	83	0	100	97	100	93	0	100	100	100	83
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
6C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	0	100	100	100	90	0	100	100	100	77
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
7C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												



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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-----8 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	7	100	100	93	93	0	100	100	100	87
8B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
8C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
9A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	100	93	10	100	100	100	97	0	97	97	100	93
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	100	3	100	100	100	100	0	90	100	100	90
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	93	93	3	93	100	100	93	0	87	100	100	87
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
11D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP												
11E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
12A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	100	87	0	100	100	93	90	0	100	100	90	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
12C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
13A	ALACHLOR	4.00 E	2.000 lb/ac	PRE	100	90	0	100	100	93	93	3	100	100	87	93
13B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	97	87	0	97	100	93	90	0	90	100	93	83
14B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
14C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	100	90	17	100	100	97	90	0	97	100	93	83
15B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
15D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
15E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
16A	PARAQUAT	1.50 S	0.380 lb/ac	PRE	97	93	20	97	100	100	93	0	100	100	93	83
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												

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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	93	93	0	93	100	97	93	0	100	100	100	83
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
17C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	77	37	0	77	97	40	73	0	67	87	43	77
18B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
18D	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP												
18E	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP												
18F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP												
19	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	93	73	0	93	93	100	73	0	83	93	100	77
20	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	83	0	97	97	90	90	3	97	97	83	80
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	90	0	100	100	100	90	0	93	90	87	77
22A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	10	97	100	100	100	0	90	97	100	93
22B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	0	100	100	100	100	0	93	100	100	100
23B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
24A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	100	10	97	100	100	100	0	97	100	100	97
24B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	97	7	100	97	100	100	0	97	97	100	100
25B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
25C	ALACHLOR	4.00 E	1.000 lb/ac	PRE												
26A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	13	97	100	100	100	0	100	100	100	97
26B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE												
26C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
27A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	87	93	0	87	97	100	97	0	77	97	100	90
27B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
28A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	100	20	97	100	100	100	0	90	100	93	93
28B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	93	10	97	97	100	97	0	93	100	100	90
29B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												

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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-----8 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIM	SETFA	IPOHE	POLPY	ACCOS	CRIM	SETFA	IPOHE	POLPY	ACCOS
30A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	100	97	13	100	97	100	97	3	100	97	100	97
30B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
30C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
31A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	13	100	100	100	100	0	97	100	100	93
31B	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE												
31C	ALACHLOR	4.00 E	1.000 lb/ac	PRE												
32A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	7	97	100	100	100	0	90	100	100	90
32B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
33A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	97	100	13	97	100	100	100	3	97	100	100	97
33B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
34A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	100	30	100	100	100	100	0	93	97	100	97
34B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
35A	ALACHLOR + GLYPHOSAT	4.00 E	2.000 lb/ac	PRE	97	100	13	97	100	100	100	0	90	100	100	97
35B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
35C	ALACHLOR	4.00 E	2.000 lb/ac	PRE												
36A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	100	100	10	100	100	100	100	0	100	100	100	100
36B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE												
36C	ALACHLOR	4.00 E	1.000 lb/ac	PRE												
37A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	97	90	3	97	97	97	93	0	97	97	93	97
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
38A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	100	100	17	100	100	100	100	7	97	100	100	100
38B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE												
39A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	97	97	7	97	97	100	100	0	93	97	100	97
39B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE												
39C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
39D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
40A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	83	3	100	100	87	97	0	100	100	80	90
40B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
40C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
40D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
41A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	100	93	10	100	97	100	97	0	100	97	97	90
41B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
41C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												

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TABLE S9036 MINIMUM TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	SETFA	IPOHE	POLPY	ACCOS	CRIN	SETFA	IPOHE	POLPY	ACCOS
42A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	97	7	100	97	100	100	0	97	87	100	97
42B	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE												
42C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
42D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
43A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	100	30	100	100	100	100	10	100	100	100	100
43B	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE												
43C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
44A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	93	97	3	93	100	100	97	0	97	97	97	90
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE												
44C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
44D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
45A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	83	3	100	97	97	87	0	100	100	90	97
45B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE												
45C	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
45D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
46A	LINURON	50.00 DF	1.000 lb/ac	PRE	83	83	0	83	90	93	90	0	77	100	93	83
46B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
46C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
46D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP												
46E	CROP OIL	0.00 AD	1.000 qt/ac	MP												
47A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	97	100	17	97	100	100	100	0	90	100	100	93
47B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
47C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
47D	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	MP												
47E	CROP OIL	0.00 AD	1.000 qt/ac	MP												
48A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	87	100	10	87	100	100	97	0	80	97	100	97
48B	PARAQUAT	1.50 S	0.380 lb/ac	PRE												
48C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
48D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP												
48E	CROP OIL	0.00 AD	1.000 qt/ac	MP												
LSD(.05) :					NS	NS	15	3	9	9	28	4	4	9	27	12

LOCATION : SPINDLETOP FARM  
FERTILIZER APPLIED (LB/ACRE): 60 N,  
DATE PLANTED : MAY 18  
VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
60 P, 60 K, pH : 6.4  
DATE TREATED : PRE MAY 18  
EP JUNE 7  
MP JUNE 20

O.M. : 4.50 %

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TABLE S9037 NO-TILLAGE FULL SEASON SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-		---7D---		-----28D-----			-----56D-----			
					CRIM	SETFA	ERICA	CRIM	SETFA	POLPY	ERICA	CRIM	SETFA	POLPY	ERICA
1A	V-53482	50.00 WP	0.044 lb/ac	PRE	0	90	70	0	93	100	70	0	93	100	60
1B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
1C	RE 45601	2.00 EC	0.100 lb/ac	PRE											
1D	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
2A	V-53482	50.00 WP	0.055 lb/ac	PRE	3	90	50	3	90	100	70	3	90	93	60
2B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
2C	RE 45601	2.00 EC	0.100 lb/ac	PRE											
2D	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
3A	V-53482	50.00 WP	0.066 lb/ac	PRE	7	90	67	3	90	97	63	3	90	90	63
3B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
3C	RE 45601	2.00 EC	0.100 lb/ac	PRE											
3D	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
4A	V-53482	50.00 WP	0.088 lb/ac	PRE	23	90	73	13	90	100	80	10	90	97	70
4B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
4C	RE 45601	2.00 EC	0.100 lb/ac	PRE											
4D	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
5A	V-53482	50.00 WP	0.044 lb/ac	PRE	0	90	30	0	90	90	67	0	90	90	47
5B	RE 45601	2.00 EC	0.100 lb/ac	PRE											
5C	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
6A	V-53482	50.00 WP	0.055 lb/ac	PRE	0	90	47	0	90	93	47	0	90	93	40
6B	RE 45601	2.00 EC	0.100 lb/ac	PRE											
6C	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
7A	V-53482	50.00 WP	0.066 lb/ac	PRE	0	90	63	0	90	97	67	0	90	93	60
7B	RE 45601	2.00 EC	0.100 lb/ac	PRE											
7C	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
8A	V-53482	50.00 WP	0.088 lb/ac	PRE	0	90	47	0	90	97	63	0	90	93	50
8B	RE 45601	2.00 EC	0.100 lb/ac	PRE											
8C	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
9A	V-53482	50.00 WP	0.044 lb/ac	PRE	0	90	80	0	90	90	90	0	90	83	90
9B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE											
10A	V-53482	50.00 WP	0.055 lb/ac	PRE	0	90	67	0	90	90	80	0	90	90	80
10B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE											
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE											

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TABLE S9037 NO-TILLAGE FULL SEASON SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-		----7D----			-----28D-----			-----56D-----			
					CRIN	SETFA	ERICA	CRIN	SETFA	POLPY	ERICA	CRIN	SETFA	POLPY	ERICA	
11A	V-53482	50.00 WP	0.066 lb/ac	PRE	0	90	67	0	93	97	83	0	93	93	73	
11B	ALACHLOR	4.00 E	2.500 lb/ac	PRE												
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
12A	V-53482	50.00 WP	0.088 lb/ac	PRE	0	90	87	0	90	97	83	0	90	93	77	
12B	ALACHLOR	4.00 E	2.500 lb/ac	PRE												
12C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
13A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	7	90	57	7	90	90	63	3	90	80	60	
13B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE												
13C	PARQUAT	1.50 S	0.380 lb/ac	PRE												
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
14A	RE 45601	2.00 EC	0.100 lb/ac	PRE	0	30	10	0	60	63	57	0	60	60	53	
14B	CROP OIL	0.00 AD	1.000 qt/ac	PRE												
15	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	90	50	0	90	87	87	0	90	83	80	
16A	V-53482	50.00 WP	0.044 lb/ac	PRE	0	90	63	0	90	97	63	0	90	90	57	
16B	CROP OIL	0.00 AD	1.000 qt/ac	PRE												
17A	V-53482	50.00 WP	0.055 lb/ac	PRE	0	90	37	0	90	100	60	0	90	97	50	
17B	CROP OIL	0.00 AD	1.000 qt/ac	PRE												
18A	V-53482	50.00 WP	0.066 lb/ac	PRE	7	90	67	3	90	97	77	0	90	93	70	
18B	CROP OIL	0.00 AD	1.000 qt/ac	PRE												
19A	V-53482	50.00 WP	0.088 lb/ac	PRE	10	90	53	3	90	100	53	3	90	93	43	
19B	CROP OIL	0.00 AD	1.000 qt/ac	PRE												
20	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	0	0	0	
			LSD (.05) :		12	19	29	NS	20	23	30	NS	20	23	30	

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 19  
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.4  
 DATE TREATED : PRE MAY 19  
 O.M. : 4.50 %

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TABLE S9038 MINIMUM TILLAGE FULL SEASON SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-				-7D-				-28D-				-56D-			
					CRIN	SETFA	POLPY		CRIN	SETFA	POLPY		CRIN	SETFA	AMBEL	POLPY	CRIN	SETFA	AMBEL	POLPY
1A	V-53482	50.00 WP	0.044	lb/ac PRE	7	100	100		7	93	90	80	3	93	83	70				
1B	ALACHLOR	4.00 E	2.500	lb/ac PRE																
1C	RE 45601	2.00 EC	0.100	lb/ac PRE																
1D	CROP OIL	0.00 AD	1.000	qt/ac PRE																
2A	V-53482	50.00 WP	0.055	lb/ac PRE	7	100	100		7	97	90	87	3	93	90	80				
2B	ALACHLOR	4.00 E	2.500	lb/ac PRE																
2C	RE 45601	2.00 EC	0.100	lb/ac PRE																
2D	CROP OIL	0.00 AD	1.000	qt/ac PRE																
3A	V-53482	50.00 WP	0.066	lb/ac PRE	7	100	100		3	93	93	83	0	90	90	77				
3B	ALACHLOR	4.00 E	2.500	lb/ac PRE																
3C	RE 45601	2.00 EC	0.100	lb/ac PRE																
3D	CROP OIL	0.00 AD	1.000	qt/ac PRE																
4A	V-53482	50.00 WP	0.088	lb/ac PRE	23	100	100		17	93	93	93	7	90	93	93				
4B	ALACHLOR	4.00 E	2.500	lb/ac PRE																
4C	RE 45601	2.00 EC	0.100	lb/ac PRE																
4D	CROP OIL	0.00 AD	1.000	qt/ac PRE																
5A	V-53482	50.00 WP	0.044	lb/ac PRE	0	100	100		0	90	87	83	0	90	87	67				
5B	RE 45601	2.00 EC	0.100	lb/ac PRE																
5C	CROP OIL	0.00 AD	1.000	qt/ac PRE																
6A	V-53482	50.00 WP	0.055	lb/ac PRE	0	100	100		0	93	87	73	0	93	83	53				
6B	RE 45601	2.00 EC	0.100	lb/ac PRE																
6C	CROP OIL	0.00 AD	1.000	qt/ac PRE																
7A	V-53482	50.00 WP	0.066	lb/ac PRE	0	97	97		0	93	87	73	0	90	87	67				
7B	RE 45601	2.00 EC	0.100	lb/ac PRE																
7C	CROP OIL	0.00 AD	1.000	qt/ac PRE																
8A	V-53482	50.00 WP	0.088	lb/ac PRE	7	100	100		3	93	90	87	0	93	90	80				
8B	RE 45601	2.00 EC	0.100	lb/ac PRE																
8C	CROP OIL	0.00 AD	1.000	qt/ac PRE																
9A	V-53482	50.00 WP	0.044	lb/ac PRE	0	100	100		0	97	93	93	0	97	93	90				
9B	ALACHLOR	4.00 E	2.500	lb/ac PRE																
9C	GLYPHOSATE	4.00 E	1.000	lb/ac PRE																
10A	V-53482	50.00 WP	0.055	lb/ac PRE	7	100	100		3	93	93	87	0	90	90	83				
10B	ALACHLOR	4.00 E	2.500	lb/ac PRE																
10C	GLYPHOSATE	4.00 E	1.000	lb/ac PRE																
10D	X-77 (SURFACTANT)	0.50 WA	0.500	% PRE																



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TABLE S9038 MINIMUM TILLAGE FULL SEASON SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-		-7D-			-28D-			-56D-		
					CRIN	SETFA	POLPY	CRIN	SETFA	AMBEL	POLPY	CRIN	SETFA	AMBEL	POLPY
11A	V-53482	50.00 WP	0.066 lb/ac	PRE	20	100	100	10	97	97	97	0	97	97	93
11B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE											
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE											
12A	V-53482	50.00 WP	0.088 lb/ac	PRE	13	100	100	7	97	97	93	3	93	97	93
12B	ALACHLOR	4.00 E	2.500 lb/ac	PRE											
12C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE											
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE											
13A	ALACHLOR	4.00 E	2.500 lb/ac	PRE	0	80	60	0	67	30	10	0	67	30	10
13B	METRIBUZIN 1	75.00 DF	0.500 lb/ac	PRE											
13C	PARAQUAT	1.50 S	0.380 lb/ac	PRE											
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE											
14A	RE 45601	2.00 EC	0.100 lb/ac	PRE	0	80	40	0	80	7	7	0	80	7	7
14B	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
15	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	0	87	67	0	80	70	63	0	67	63	37
16A	V-53482	50.00 WP	0.044 lb/ac	PRE	0	90	100	17	87	87	47	3	80	80	60
16B	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
17A	V-53482	50.00 WP	0.055 lb/ac	PRE	0	100	93	0	83	77	53	0	80	77	40
17B	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
18A	V-53482	50.00 WP	0.066 lb/ac	PRE	0	97	97	0	87	90	63	0	77	83	50
18B	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
19A	V-53482	50.00 WP	0.088 lb/ac	PRE	0	97	97	0	83	90	83	0	77	90	80
19B	CROP OIL	0.00 AD	1.000 qt/ac	PRE											
20	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	0	0	0
LSD(.05) :					13	14	18	NS	20	15	24	NS	22	17	28

LOCATION : SPINDLETOP  
 FERTILIZER APPLIED (LB/ACRE): 60 N,  
 DATE PLANTED : MAY 19  
 VARIETY : WILLIAMS 82

SOIL TYPE : LANTON SILT LOAM  
 60 P, 60 K, pH : 6.4 O.M. : 4.50 %  
 DATE TREATED : PRE MAY 19

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TABLE S9019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-70--	-----28D-----			-----56D-----			
					TRZAX	TRZAX	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
1A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	80	88	8	20	20	100	100	73
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
1C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
1D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
1E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
2A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	83	90	10	20	15	100	100	60
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
2C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
2D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
2E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
3A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	88	93	10	18	48	100	100	75
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
3C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
3D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
3E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
4A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	65	83	75	93	93	100	93	93
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
4E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
5A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	73	83	78	95	95	93	95	90
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
5C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
5D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
5E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
6A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	80	93	78	93	90	100	95	90
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
6C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
6D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
6E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
7A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	88	100	78	95	93	100	98	95
7B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
7C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
7D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
7E	CROP OIL	0.00 AD	1.000 qt/ac	21D								

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TABLE S9019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--		-----28D-----			-----56D-----		
					TRZAX	TRZAX	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
8A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	65	80	30	90	90	100	98	98
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
8C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
8D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
8E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
9A	PARAQUAT	1.50 S	0.375 lb/ac	TIL								
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
9C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
9D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
9E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
10A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	63	70	20	70	70	75	70	70
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
10E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
11A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	90	100	25	93	93	100	100	98
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
11C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
11D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
11E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
12A	GLYPHOSATE	4.00 E	1.500 lb/ac	TIL	78	100	30	93	95	100	100	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
12C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
12D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
12E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
13	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0
14A	PARAQUAT	1.50 S	0.375 lb/ac	BT	70	83	10	70	33	100	100	85
14B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
14C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
14D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
14E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
15A	PARAQUAT	1.50 S	0.500 lb/ac	BT	73	83	10	70	20	100	100	88
15B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
15C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
15D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
15E	CROP OIL	0.00 AD	1.000 qt/ac	21D								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--	-----28D-----			-----56D-----			
					TRZAX	TRZAX	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
16A	PARAQUAT	1.50 S	0.625 lb/ac	BT	83	90	10	78	28	100	100	98
16B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
16C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
16D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
16E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
17A	PARAQUAT	1.50 S	0.250 lb/ac	BT	60	78	78	93	83	100	98	88
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
17C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
17D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
17E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
18A	PARAQUAT	1.50 S	0.375 lb/ac	BT	58	80	75	90	60	100	93	80
18B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
18C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
18D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
18E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
19A	PARAQUAT	1.50 S	0.500 lb/ac	BT	73	85	78	90	80	100	95	85
19B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
19C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
19D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
19E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
20A	PARAQUAT	1.50 S	0.625 lb/ac	BT	78	90	78	90	90	100	95	93
20B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
20C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
20D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
20E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
21A	PARAQUAT	1.50 S	0.250 lb/ac	BT	60	73	30	95	95	100	100	100
21B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
21C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
21D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
21E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
22A	PARAQUAT	1.50 S	0.375 lb/ac	BT	65	78	33	93	95	100	98	98
22B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
22D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
22E	CROP OIL	0.00 AD	1.000 qt/ac	21D								

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TABLE S9019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-70--			-----28D-----			-----56D-----		
					TRZAX	TRZAX	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA	
23A	PARAQUAT	1.50 S	0.500 lb/ac	BT	70	78	43	93	93	100	98	98	
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT									
23C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
23D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
23E	CROP OIL	0.00 AD	1.000 qt/ac	21D									
24A	PARAQUAT	1.50 S	0.625 lb/ac	BT	83	90	40	95	95	100	100	100	
24B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT									
24C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
24D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
24E	CROP OIL	0.00 AD	1.000 qt/ac	21D									
25A	GLYPHOSATE	4.00 E	1.500 lb/ac	BT	95	100	48	90	90	100	100	98	
25B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT									
25C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
25D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
25E	CROP OIL	0.00 AD	1.000 qt/ac	21D									
26	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	
			LSD(.05) :		13	7	10	8	17	4	5	13	

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 0 N,  
 DATE PLANTED : MAY 12  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 0 P, 0 K, pH : 6.5  
 DATE TREATED : TIL APRIL 12  
 BOOT MAY 8  
 O.M. : 3.20 %

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TABLE S9020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--	-----28D-----			-----56D-----			
					SECCE	SECCE	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
1A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	83	93	10	33	33	100	95	78
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
1C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
1D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
1E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
2A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	83	90	18	35	28	100	95	68
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
2C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
2D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
2E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
3A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	85	95	10	20	20	100	90	53
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
3C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
3D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
3E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
4A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	63	78	73	90	80	100	90	80
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
4E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
5A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	70	93	70	90	53	100	90	70
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
5C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
5D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
5E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
6A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	78	90	60	88	80	100	88	83
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
6C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
6D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
6E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
7A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	88	100	73	90	65	100	90	75
7B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL								
7C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
7D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
7E	CROP OIL	0.00 AD	1.000 qt/ac	21D								

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TABLE S9020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-70--	-----280-----			-----560-----			
					SECCE	SECCE	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
8A	PARAQUAT	1.50 S	0.250 lb/ac	TIL	70	90	20	83	85	100	88	88
8B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
8C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
8D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
8E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
9A	PARAQUAT	1.50 S	0.375 lb/ac	TIL	63	90	20	95	95	100	95	95
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
9C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
9D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
9E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
10A	PARAQUAT	1.50 S	0.500 lb/ac	TIL	80	98	20	93	93	100	93	93
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
10E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
11A	PARAQUAT	1.50 S	0.625 lb/ac	TIL	88	100	20	90	90	100	93	93
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
11C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
11D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
11E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
12A	GLYPHOSATE	4.00 E	1.500 lb/ac	TIL	55	100	23	95	93	83	95	93
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL								
12C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL								
12D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
12E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
13	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0
14A	PARAQUAT	1.50 S	0.375 lb/ac	BT	93	93	13	38	45	100	98	93
14B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
14C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
14D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
14E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
15A	PARAQUAT	1.50 S	0.500 lb/ac	BT	83	93	10	25	55	100	98	95
15B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
15C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
15D	FOMESAFEN	2.00 LC	0.313 lb/ac	21D								
15E	CROP OIL	0.00 AD	1.000 qt/ac	21D								

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TABLE S9020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--	-----28D-----			-----56D-----			
					SECCE	SECCE	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
16A	PARAQUAT	1.50 S	0.625 lb/ac	BT	83	93	13	33	60	100	95	93
16B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
16C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
16D	FOMESAFEM	2.00 LC	0.313 lb/ac	21D								
16E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
17A	PARAQUAT	1.50 S	0.250 lb/ac	BT	83	85	73	88	85	100	90	88
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
17C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
17D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
17E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
18A	PARAQUAT	1.50 S	0.375 lb/ac	BT	80	88	70	90	80	100	93	83
18B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
18C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
18D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
18E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
19A	PARAQUAT	1.50 S	0.500 lb/ac	BT	90	95	78	90	85	100	90	83
19B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
19C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
19D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
19E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
20A	PARAQUAT	1.50 S	0.625 lb/ac	BT	83	93	70	90	90	100	90	90
20B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT								
20C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
20D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
20E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
21A	PARAQUAT	1.50 S	0.250 lb/ac	BT	88	88	38	90	90	100	90	90
21B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
21C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
21D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
21E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
22A	PARAQUAT	1.50 S	0.375 lb/ac	BT	90	95	43	93	93	100	93	93
22B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
22D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
22E	CROP OIL	0.00 AD	1.000 qt/ac	21D								



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TABLE S9020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-7D--	-----28D-----			-----56D-----			
					SECCE	SECCE	SETFA	CHEAL	ERICA	SETFA	CHEAL	ERICA
23A	PARAQUAT	1.50 S	0.500 lb/ac	BT	85	90	30	93	88	100	93	88
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
23C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
23D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
23E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
24A	PARAQUAT	1.50 S	0.625 lb/ac	BT	98	100	53	90	90	100	93	93
24B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
24C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
24D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
24E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
25A	GLYPHOSATE	4.00 E	1.500 lb/ac	BT	90	100	38	90	90	100	93	93
25B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT								
25C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT								
25D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
25E	CROP OIL	0.00 AD	1.000 qt/ac	21D								
26	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0
			LSD(.05) :		9	5	12	8	15	10	6	14

LOCATION : SPINDLETOP FARM  
 FERTILIZER APPLIED (LB/ACRE): 0 N,  
 DATE PLANTED : MAY 11  
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM  
 0 P, 0 K, pH : 6.5 O.M. : 3.20 %  
 DATE TREATED : TILL APRIL 12  
 BT MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9141 CORN JOHNSONGRASS PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----	
					CRIN	SORHA
1	ICIA 5676	6.40 E	1.000 lb/ac	PRE	0	23
2	ICIA 5676	6.40 E	1.250 lb/ac	PRE	0	43
3	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	50
4	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	50
5	ICIA 5676	6.40 E	2.500 lb/ac	PRE	0	53
6	ALACHLOR	4.00 MT	4.000 lb/ac	PRE	0	57
7	METOLACHLOR	8.00 E	3.000 lb/ac	PRE	0	47
8	PENDIMETHALIN	4.00 E	1.500 lb/ac	PRE	0	50
9	CHECK (CULTIVATED)	0.00 CK	0.000		0	100
			LSD(.05) :		0	16

LOCATION : PRINCETON  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 17  
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM  
 60 P, 60 K, pH : 6.7 O.M. : 1.20 %  
 DATE TREATED : PRE MAY 17

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9143 CORN JOHNSONGRASS PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	70	0	50
2A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	13	87	3	83
2B	CGA 136872	75.00 WG	0.018 lb/ac	12J				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
3A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	3	90	3	90
3B	CGA 136872	75.00 WG	0.036 lb/ac	12J				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
4A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	87	0	87
4B	CGA 136872	75.00 WG	0.018 lb/ac	12J				
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
4D	CGA 136872	75.00 WG	0.018 lb/ac	+EP				
4E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+EP				
5A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	7	83	0	70
5B	PARAQUAT	1.50 S	0.250 lb/ac	PL3				
5C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PL3				
6A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	10	73	0	57
6B	PARAQUAT	1.50 S	0.500 lb/ac	PL3				
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PL3				
7A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	73	0	50
7B	PARAQUAT	1.50 S	0.250 lb/ac	PL6				
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PL6				
8A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	13	80	0	70
8B	PARAQUAT	1.50 S	0.500 lb/ac	PL6				
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PL6				
9A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	7	77	0	67
9B	PARAQUAT	1.50 S	0.250 lb/ac	PD3				
9C	ATRAZINE	4.00 L	0.500 lb/ac	PD3				
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PD3				
10A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	27	80	0	67
10B	PARAQUAT	1.50 S	0.500 lb/ac	PD3				
10C	ATRAZINE	4.00 L	0.500 lb/ac	PD3				
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PD3				

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TABLE C9143 CORN JOHNSONGRASS PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
11A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	20	80	7	63
11B	PARAQUAT	1.50 S	0.250 lb/ac	PL6				
11C	ATRAZINE	4.00 L	0.500 lb/ac	PL6				
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PL6				
12A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	17	83	0	80
12B	PARAQUAT	1.50 S	0.500 lb/ac	PL6				
12C	ATRAZINE	4.00 L	0.500 lb/ac	PL6				
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PL6				
13A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	57	0	33
13B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
14A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	70	0	57
14B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
15A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	90	0	87
15B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
15C	V9360	72.00 DF	0.047 lb/ac	6LJ				
15D	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
16A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	90	0	87
16B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
16C	V9360	72.00 DF	0.047 lb/ac	6LJ				
16D	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
17A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	90	0	90
17B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
17C	V9360	72.00 DF	0.047 lb/ac	6LJ				
17D	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
18A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	90	0	90
18B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
18C	V9360	72.00 DF	0.047 lb/ac	6LJ				
18D	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
19A	ATRAZINE	4.00 L	1.500 lb/ac	PPI	0	90	0	93
19B	V9360	72.00 DF	0.047 lb/ac	6LJ				
19C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
20A	ATRAZINE	4.00 L	1.500 lb/ac	PPI	0	93	0	93
20B	V9360	72.00 DF	0.023 lb/ac	6LJ				
20C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
20D	V9360	72.00 DF	0.023 lb/ac	3LJ				
20E	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				

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TABLE C9143 CORN JOHNSONGRASS PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	SORHA	CRIN	SORHA
21A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	0	43	0	17
21B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
22A	METOLACHLOR	8.00 E	2.000 lb/ac	PPI	0	93	0	93
22B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
22C	V9360	72.00 DF	0.047 lb/ac	6LJ				
22D	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
23A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	7	87	3	83
23B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
23C	CGA 136872	75.00 WG	0.036 lb/ac	6LJ				
23D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LJ				
24A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	7	90	0	80
24B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
24C	CGA 136872	75.00 WG	0.036 lb/ac	6LJ				
24D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LJ				
25A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	87	0	87
25B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
25C	CGA 136872	75.00 WG	0.036 lb/ac	6LJ				
25D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LJ				
26A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	90	0	87
26B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
26C	CGA 136872	75.00 WG	0.036 lb/ac	6LJ				
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LJ				
27A	ATRAZINE	4.00 L	1.500 lb/ac	PPI	7	80	0	80
27B	CGA 136872	75.00 WG	0.036 lb/ac	6LJ				
27C	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LJ				
28A	ATRAZINE	4.00 L	1.500 lb/ac	PPI	0	83	0	83
28B	CGA 136872	75.00 WG	0.018 lb/ac	6LJ				
28C	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LJ				
28D	CGA 136872	75.00 WG	0.018 lb/ac	3LJ				
28E	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LJ				
LSD(.05) :					13	10	NS	18

LOCATION : PRINCETON  
FERTILIZER APPLIED (LB/ACRE): 250 N,  
DATE PLANTED : MAY 17  
VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM  
60 P, 60 K, pH : 6.5  
DATE TREATED : 12J JUNE 15  
6LJ JUNE 7  
3LJ JUNE 13  
PL3 JUNE 16  
PL6 JUNE 13  
PD3 JUNE 16  
+EP JULY 6

O.M. : 1.20 %

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TABLE C9145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	0	37	0	13
2A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	3	80	0	87
2B	CGA 136872	75.00 WG	0.018 lb/ac	12J				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
3A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	10	80	7	90
3B	CGA 136872	75.00 WG	0.036 lb/ac	12J				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
4A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	0	63	0	83
4B	CGA 136872	75.00 WG	0.018 lb/ac	12J				
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	12J				
4D	CGA 136872	75.00 WG	0.018 lb/ac	+6J				
4E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+6J				
5A	V9360	72.00 DF	0.031 lb/ac	6LJ	3	93	0	90
5B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
6A	V9360	72.00 DF	0.047 lb/ac	6LJ	3	93	0	93
6B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
7A	V9360	72.00 DF	0.063 lb/ac	6LJ	7	90	3	87
7B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
8A	V9360	72.00 DF	0.012 lb/ac	6LJ	3	90	0	97
8B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
8C	V9360	72.00 DF	0.012 lb/ac	3LJ				
8D	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				
9A	V9360	72.00 DF	0.016 lb/ac	6LJ	7	90	0	93
9B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
9C	V9360	72.00 DF	0.016 lb/ac	3LJ				
9D	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				
10A	V9360	72.00 DF	0.023 lb/ac	6LJ	7	93	3	90
10B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
10C	V9360	72.00 DF	0.023 lb/ac	3LJ				
10D	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				
11A	V9360	72.00 DF	0.030 lb/ac	6LJ	7	93	0	93
11B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
11C	V9360	72.00 DF	0.030 lb/ac	6LJ				
11D	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				

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TABLE C9145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
12A	V9360	72.00 DF	0.031 lb/ac	8LJ	10	93	3	93
12B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
13A	V9360	72.00 DF	0.047 lb/ac	8LJ	3	93	0	93
13B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
14A	V9360	72.00 DF	0.063 lb/ac	8LJ	3	93	0	90
14B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
15A	V9360	72.00 DF	0.012 lb/ac	8LJ	0	90	0	87
15B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
15C	V9360	72.00 DF	0.012 lb/ac	4LJ				
15D	CROP OIL	0.00 AD	1.000 qt/ac	4LJ				
16A	V9360	72.00 DF	0.016 lb/ac	8LJ	0	90	0	87
16B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
16C	V9360	72.00 DF	0.016 lb/ac	4LJ				
16D	CROP OIL	0.00 AD	1.000 qt/ac	4LJ				
17A	V9360	72.00 DF	0.023 lb/ac	8LJ	3	87	3	83
17B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
17C	V9360	72.00 DF	0.023 lb/ac	4LJ				
17D	CROP OIL	0.00 AD	1.000 qt/ac	4LJ				
18A	V9360	72.00 DF	0.031 lb/ac	8LJ	7	93	3	90
18B	CROP OIL	0.00 AD	1.000 qt/ac	8LJ				
18C	V9360	72.00 DF	0.031 lb/ac	4LJ				
18D	CROP OIL	0.00 AD	1.000 qt/ac	4LJ				
19	CYANAZINE	4.00 L	2.000 lb/ac	PRE	0	43	0	10
20	CYANAZINE	4.00 L	3.000 lb/ac	PRE	0	33	0	23
21A	CYANAZINE	4.00 L	2.000 lb/ac	PRE	10	90	3	90
21B	V9360	72.00 DF	0.031 lb/ac	6LJ				
21C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
22A	CYANAZINE	4.00 L	3.000 lb/ac	PRE	3	90	0	93
22B	V9360	72.00 DF	0.031 lb/ac	6LJ				
22C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
23A	CYANAZINE	4.00 L	2.000 lb/ac	PRE	3	97	0	93
23B	V9360	72.00 DF	0.047 lb/ac	6LJ				
23C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				



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TABLE C9145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
24A	CYANAZINE	4.00 L	3.000 lb/ac	PRE	3	93	0	90
24B	V9360	72.00 DF	0.047 lb/ac	6LJ				
24C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
25A	ATRAZINE	4.00 L	2.000 lb/ac	PRE	7	97	0	97
25B	V9360	72.00 DF	0.031 lb/ac	6LJ				
25C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
26A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	10	100	0	93
26B	V9360	72.00 DF	0.031 lb/ac	6LJ				
26C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
27A	ALACHLOR EC + ATRAZ	4.00 FL	4.000 lb/ac	PRE	3	93	0	90
27B	V9360	72.00 DF	0.031 lb/ac	6LJ				
27C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
28A	V9360	72.00 DF	0.031 lb/ac	6LJ	3	93	0	93
28B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
28C	PARAQUAT	1.50 S	0.280 lb/ac	POD				
28D	X-77 (SURFACTANT)	0.50 WA	0.250 %	POD				
29A	V9360	72.00 DF	0.047 lb/ac	6LJ	3	97	3	97
29B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
29C	PARAQUAT	1.50 S	0.280 lb/ac	POD				
29D	X-77 (SURFACTANT)	0.50 WA	0.250 %	POD				
30A	V9360	72.00 DF	0.063 lb/ac	6LJ	3	100	0	97
30B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
30C	PARAQUAT	1.50 S	0.280 lb/ac	POD				
30D	X-77 (SURFACTANT)	0.50 WA	0.250 %	POD				
31A	KIH 2665	50.00 W	0.050 lb/ac	5LC	7	90	3	83
31B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LC				
32A	KIH 2665	50.00 W	0.075 lb/ac	5LC	13	90	3	90
32B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LC				
33A	KIH 2665	50.00 W	0.100 lb/ac	5LC	20	100	17	93
33B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LC				
34A	KIH 2665	50.00 W	0.125 lb/ac	5LC	23	97	13	87
34B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LC				

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TABLE C9145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
35A	E 9636	25.00 DF	0.031 lb/ac	6LJ	10	100	10	100
35B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
36A	E 9636	25.00 DF	0.047 lb/ac	6LJ	23	97	10	90
36B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
37A	E 9636	25.00 DF	0.063 lb/ac	6LJ	33	97	23	100
37B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
38A	E 9636	25.00 DF	0.012 lb/ac	6LJ	7	100	3	97
38B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
38C	E 9636	25.00 DF	0.012 lb/ac	3LJ				
38D	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				
39A	E 9636	25.00 DF	0.016 lb/ac	6LJ	7	93	3	100
39B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
39C	E 9636	25.00 DF	0.016 lb/ac	3LJ				
39D	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				
40A	E 9636	25.00 DF	0.023 lb/ac	6LJ	17	97	3	93
40B	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
40C	E 9636	25.00 DF	0.023 lb/ac	3LJ				
40D	CROP OIL	0.00 AD	1.000 qt/ac	3LJ				
41A	V9360	72.00 DF	0.012 lb/ac	6LJ	0	90	0	87
41B	E 9636	25.00 DF	0.012 lb/ac	6LJ				
41C	CROP OIL	0.00 AD	1.000 qt/ac	6LJ				
42	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
LSD(.05) :					9	16	6	10

LOCATION : PRICENTON  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 17  
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM  
 60 P, 60 K, pH : 6.8 O.M. : 1.30 %  
 DATE TREATED : PRE MAY 17  
 5LJ JUNE 7  
 6LJ JUNE 7  
 +3LJ JUNE 13  
 POD JULY 7  
 8LJ JUNE 15  
 8LJ JUNE  
 12J JUNE 15

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TABLE C9147 CORN JOHNSONGRASS POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
2	CROP OIL	0.00 AD	1.000 qt/ac 5LF		0	10	0	10
3	V9360	72.00 DF	0.032 lb/ac 5LF		7	80	0	83
4A	V9360	72.00 DF	0.032 lb/ac 5LF		7	87	0	90
4B	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
5	DICAMBA	4.00 S	0.250 lb/ac 5LF		7	37	0	10
6A	DICAMBA	4.00 S	0.250 lb/ac 5LF		20	50	0	13
6B	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
7	2,4-D AMINE	4.00 E	0.500 lb/ac 5LF		10	37	0	10
8A	2,4-D AMINE	4.00 E	0.500 lb/ac 5LF		10	30	0	10
8B	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
9	BROMOXYNIL 2	2.00 E	0.750 lb/ac 5LF		0	50	0	10
10A	BROMOXYNIL 2	2.00 E	0.750 lb/ac 5LF		0	37	0	10
10B	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
11	ATRAZINE	4.00 L	1.500 lb/ac 5LF		0	43	0	10
12A	ATRAZINE	4.00 L	1.500 lb/ac 5LF		0	43	0	10
12B	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
13	CYANAZINE	90.00 DF	1.500 lb/ac 5LF		3	47	0	13
14A	CYANAZINE	90.00 DF	1.500 lb/ac 5LF		33	53	0	13
14B	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
15A	V9360	72.00 DF	0.032 lb/ac 5LF		13	80	0	83
15B	DICAMBA	4.00 S	0.250 lb/ac 5LF					
16A	V9360	72.00 DF	0.032 lb/ac 5LF		23	93	3	93
16B	DICAMBA	4.00 S	0.250 lb/ac 5LF					
16C	CROP OIL	0.00 AD	1.000 qt/ac 5LF					
17A	V9360	72.00 DF	0.032 lb/ac 5LF		10	83	0	87
17B	2,4-D AMINE	4.00 E	0.500 lb/ac 5LF					

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TABLE C9147 CORN JOHNSONGRASS POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	SORHA	CRIN	SORHA
18A	V9360	72.00 DF	0.032 lb/ac	5LF	17	90	0	90
18B	2,4-D AMINE	4.00 E	0.500 lb/ac	5LF				
18C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
19A	V9360	72.00 DF	0.032 lb/ac	5LF	20	87	0	90
19B	BROMOXYNIL 2	2.00 E	0.750 lb/ac	5LF				
20A	V9360	72.00 DF	0.032 lb/ac	5LF	37	90	17	90
20B	BROMOXYNIL 2	2.00 E	0.750 lb/ac	5LF				
20C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
21A	V9360	72.00 DF	0.032 lb/ac	5LF	3	90	0	90
21B	ATRAZINE	4.00 L	1.500 lb/ac	5LF				
22A	V9360	72.00 DF	0.032 lb/ac	5LF	10	90	3	90
22B	ATRAZINE	4.00 L	1.500 lb/ac	5LF				
22C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
23A	V9360	72.00 DF	0.032 lb/ac	5LF	40	87	23	90
23B	CYANAZINE	90.00 DF	1.500 lb/ac	5LF				
23C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
24	CGA 136872	75.00 WG	0.036 lb/ac	5LF	7	87	0	77
25A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	10	93	0	90
25B	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
26A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	27	83	10	53
26B	DICAMBA	4.00 S	0.250 lb/ac	5LF				
27A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	23	90	0	83
27B	DICAMBA	4.00 S	0.250 lb/ac	5LF				
27C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
28A	CGA 136872	75.00 WG	0.032 lb/ac	5LF	10	87	0	73
28B	2,4-D AMINE	4.00 E	0.500 lb/ac	5LF				
29A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	27	97	7	87
29B	2,4-D AMINE	4.00 E	0.500 lb/ac	5LF				
29C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
30A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	30	93	13	83
30B	BROMOXYNIL 2	2.00 E	0.750 lb/ac	5LF				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE C9147 CORN JOHNSONGRASS POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
31A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	33	90	17	80
31B	BROMOXNYL 2	2.00 E	0.750 lb/ac	5LF				
31C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
32A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	3	90	0	77
32B	ATRAZINE	4.00 L	1.500 lb/ac	5LF				
33A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	20	90	7	83
33B	ATRAZINE	4.00 L	1.500 lb/ac	5LF				
33C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
34A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	20	90	7	80
34B	CYANAZINE	90.00 DF	1.500 lb/ac	5LF				
35A	CGA 136872	75.00 WG	0.036 lb/ac	5LF	53	93	40	83
35B	CYANAZINE	90.00 DF	1.500 lb/ac	5LF				
35C	CROP OIL	0.00 AD	1.000 qt/ac	5LF				
36	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
			LSD(.05) :		10	16	7	20

LOCATION : PRINCETON  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 17  
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM  
 60 P, 60 K, pH : 6.8 O.M. : 1.20 %  
 DATE TREATED : 5LF JUNE 7

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TABLE S9102 SOYBEAN JOHNSONGRASS PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---	
					CRIN	SORNA
1	PENDIMETHALIN	4.00 E	1.500 lb/ac	PPI	0	17
2A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PPI	0	23
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI		
3A	PENDIMETHALIN	4.00 E	1.500 lb/ac	PPI	0	83
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	7J		
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	7J		
4	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI	0	30
5A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	90
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP		
5C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP		
6A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	90
6B	METHYLATED SUNFLOWER	0.00 AD	1.000 qt/ac	MP		
6C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP		
7A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	87
7B	DASH	0.00 AD	0.250 qt/ac	MP		
7C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP		
8	TRIFLURALIN	4.00 E	1.500 lb/ac	PPI	0	27
9A	TRIFLURALIN	4.00 E	1.500 lb/ac	PPI	0	27
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI		
10A	TRIFLURALIN	4.00 E	1.500 lb/ac	PPI	0	87
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	7J		
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	7J		
11	ALACHLOR + TRIFLUR.	3.00 E	4.000 lb/ac	PPI	0	30
12	ALACHLOR + TRIFLUR.	3.00 E	5.000 lb/ac	PPI	0	33
13A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	23
13B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI		
14A	ALACHLOR + TRIFLUR.	3.00 E	4.000 lb/ac	PPI	0	20
14B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PPI		

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9102 SOYBEAN JOHNSONGRASS PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----	
					CRIN	SORHA
15A	ALACHLOR + TRIFLUR.	3.00 E	4.000 lb/ac	PPI	0	23
15B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI		
16A	ALACHLOR + TRIFLUR.	3.00 E	5.000 lb/ac	PPI	0	30
16B	IMAZAQUIN	1.50 AS	0.094 lb/ac	PPI		
17A	ALACHLOR + TRIFLUR.	3.00 E	5.000 lb/ac	PPI	0	27
17B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI		
18A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	27
18B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI		
19A	ALACHLOR + TRIFLUR.	3.00 E	4.000 lb/ac	PPI	0	27
19B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI		
20A	ALACHLOR + TRIFLUR.	3.00 E	5.000 lb/ac	PPI	0	43
20B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI		
21A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	17
21B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI		
22A	ALACHLOR + TRIFLUR.	3.00 E	4.000 lb/ac	PPI	0	20
22B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI		
23A	ALACHLOR + TRIFLUR.	3.00 E	5.000 lb/ac	PPI	0	20
23B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PPI		
24A	ALACHLOR + TRIFLUR.	3.00 E	5.000 lb/ac	PPI	0	97
24B	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J		
24C	CROP OIL	0.00 AD	1.000 qt/ac	18J		
LSD(.05) :					0	19

LOCATION : PRINCETON  
 FERTILIZER APPLIED (LB/ACRE): 0 N,  
 DATE PLANTED : MAY 17  
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM  
 60 P, 60 K, pH : 6.6  
 DATE TREATED : PPI MAY 17  
 7J JUNE 7  
 18J JUNE 19

O.M. : 1.40 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---	
					CRIN	SORHA
1A	QUIZALOFOP	0.80 L	0.125 lb/ac	V2	0	83
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
2A	QUIZALOFOP	0.80 L	0.125 lb/ac	V4	0	97
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
3A	CHLORIMURON	25.00 DF	0.008 lb/ac	V2	0	20
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
4A	CHLORIMURON	25.00 DF	0.008 lb/ac	V4	0	33
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
5A	CHLORIMURON	25.00 DF	0.012 lb/ac	V2	0	20
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
6A	CHLORIMURON	25.00 DF	0.012 lb/ac	V4	0	27
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
7A	CHLORIMURON	25.00 DF	0.008 lb/ac	V2	0	93
7B	QUIZALOFOP	0.80 L	0.125 lb/ac	V2		
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
8A	CHLORIMURON	25.00 DF	0.008 lb/ac	V4	0	87
8B	QUIZALOFOP	0.80 L	0.125 lb/ac	V4		
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
9A	CHLORIMURON	25.00 DF	0.012 lb/ac	V2	0	80
9B	QUIZALOFOP	0.80 L	0.125 lb/ac	V2		
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
10A	CHLORIMURON	25.00 DF	0.012 lb/ac	V4	0	93
10B	QUIZALOFOP	0.80 L	0.125 lb/ac	V4		
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
11A	FLUAZIFOP-BUYTL	1.00 E	0.125 lb/ac	V2	0	90
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
12A	FLUAZIFOP-BUYTL	1.00 E	0.124 lb/ac	V4	0	100
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
13A	CHLORIMURON	25.00 DF	0.008 lb/ac	V2	0	87
13B	FLUAZIFOP-BUYTL	1.00 E	0.125 lb/ac	V2		
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		



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TABLE S9103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---	
					CRIN	SORHA
14A	CHLORIMURON	25.00 DF	0.008 lb/ac	V4	0	93
14B	FLUAZIFOP-BUYTL	1.00 E	0.125 lb/ac	V4		
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
15A	CHLORIMURON	25.00 DF	0.012 lb/ac	V2	0	67
15B	FLUAZIFOP-BUYTL	1.00 E	0.125 lb/ac	V2		
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2		
16A	CHLORIMURON	25.00 DF	0.012 lb/ac	V4	0	93
16B	FLUAZIFOP-BUYTL	1.00 E	0.125 lb/ac	V4		
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V4		
17A	QUZALOFOP	0.80 L	0.063 lb/ac	18J	0	90
17B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
18A	QUZALOFOP	0.80 L	0.075 lb/ac	18J	0	97
18B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
19A	QUZALOFOP	0.80 L	0.100 lb/ac	18J	0	97
19B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
20A	QUZALOFOP	0.80 L	0.125 lb/ac	18J	0	93
20B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
21A	QUZALOFOP	0.80 L	0.063 lb/ac	18J	0	100
21B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
21C	QUZALOFOP	0.80 L	0.063 lb/ac	12J		
21D	CROP OIL	0.00 AD	1.000 qt/ac	12J		
22A	QUZALOFOP	0.80 L	0.075 lb/ac	18J	0	100
22B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
22C	QUZALOFOP	0.80 L	0.075 lb/ac	12J		
22D	CROP OIL	0.00 AD	1.000 qt/ac	12J		
23A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	100
23B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
24	F 46360	1.00 L	0.100 lb/ac	18J	0	83
25	F 46360	1.00 L	0.150 lb/ac	18J	0	90
26		1.00 L	0.150 lb/ac	18J	0	83

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TABLE S9103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---	
					CRIN	SORHA
27A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	0	93
27B	BENTAZON	4.00 E	0.500 lb/ac	21D		
27C	CROP OIL	0.00 AD	1.000 qt/ac	21D		
27D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J		
27E	CROP OIL	0.00 AD	1.000 qt/ac	A8J		
28A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	0	87
28B	BENTAZON	4.00 E	0.500 lb/ac	21D		
28C	CROP OIL	0.00 AD	1.000 qt/ac	21D		
28D	FLUAZIFOP-BUYTL	1.00 E	0.125 lb/ac	18J		
28E	CROP OIL	0.00 AD	1.000 qt/ac	A8J		
29A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	97
29B	BENTAZON	4.00 E	1.000 lb/ac	18J		
29C	CROP OIL	0.00 AD	1.000 qt/ac	18J		
30A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	97
30B	IMAZAQUIN	1.50 AS	0.060 lb/ac	18J		
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	18J		
31A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	80
31B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	18J		
31C	X-77 (SURFACTANT)	0.50 WA	0.250 %	18J		
32A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	90
32B	CHLORIMURON	25.00 DF	0.012 lb/ac	18J		
32C	X-77 (SURFACTANT)	0.50 WA	0.250 %	18J		
33A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	18J	0	97
33B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
34A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	18J	0	93
34B	BENTAZON	4.00 E	0.500 lb/ac	18J		
34C	CROP OIL	0.00 AD	1.000 qt/ac	18J		
35A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	18J	0	87
35B	2,4-DB	2.00 E	0.031 lb/ac	18J		
35C	CROP OIL	0.00 AD	1.000 qt/ac	18J		
36A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	18J	0	93
36B	FOMESAFEN	2.00 LC	0.313 lb/ac	18J		
36C	CROP OIL	0.00 AD	1.000 qt/ac	18J		

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TABLE S9103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---	
					CRIN	SORHA
37A	FLUAZIFOP-BUYTL	1.00 E	1.880 lb/ac	18J	0	100
37B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
37C	FOMESAFEN	2.00 LC	0.250 lb/ac	+7D		
37D	BENTAZON	4.00 E	0.500 lb/ac	+7D		
37E	CROP OIL	0.00 AD	1.000 qt/ac	+7D		
38A	QUIZALOFOP	0.80 L	0.125 lb/ac	18J	0	100
38B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
38C	FOMESAFEN	2.00 LC	0.250 lb/ac	+7D		
38D	BENTAZON	4.00 E	0.500 lb/ac	+7D		
38E	CROP OIL	0.00 AD	1.000 qt/ac	+7D		
39A	QUIZALOFOP	0.80 L	0.125 lb/ac	18J	0	93
39B	FOMESAFEN	2.00 LC	0.313 lb/ac	18J		
39C	CROP OIL	0.00 AD	1.000 qt/ac	18J		
40A	QUIZALOFOP	0.80 L	0.125 lb/ac	18J	0	93
40B	FOMESAFEN	2.00 LC	0.125 lb/ac	18J		
40C	BENTAZON	4.00 E	0.250 lb/ac	18J		
40D	CROP OIL	0.00 AD	1.000 qt/ac	18J		
41A	QUIZALOFOP	0.80 L	0.125 lb/ac	18J	0	97
41B	CHLORIMURON	25.00 DF	0.012 lb/ac	18J		
41C	X-77 (SURFACTANT)	0.50 WA	0.250 %	18J		
42A	QUIZALOFOP	0.80 L	0.125 lb/ac	18J	0	87
42B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	18J		
42C	X-77 (SURFACTANT)	0.50 WA	0.250 %	18J		
43A	QUIZALOFOP	0.80 L	0.125 lb/ac	18J	0	87
43B	BENTAZON	4.00 E	1.000 lb/ac	18J		
43C	CROP OIL	0.00 AD	1.000 qt/ac	18J		
44A	SETHOXYDIM	1.53 EC	0.160 lb/ac	18J	0	90
44B	DASH	0.00 AD	1.000 qt/ac	18J		
44C	SETHOXYDIM	1.53 EC	0.160 lb/ac	12J		
44D	DASH	0.00 AD	1.000 qt/ac	12J		
45A	SETHOXYDIM	1.53 EC	0.190 lb/ac	18J	0	100
45B	DASH	0.00 AD	1.000 qt/ac	18J		
45C	SETHOXYDIM	1.53 EC	0.160 lb/ac	12J		
45D	DASH	0.00 AD	1.000 qt/ac	12J		

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TABLE S9103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----	
					CRIN	SORHA
46	BAS 0562	0.00 L	0.160 lb/ac	18J	0	67
47A	BAS 0562	0.00 L	0.160 lb/ac	18J	0	87
47B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
48A	BAS 0562	0.00 L	0.160 lb/ac	18J	0	93
48B	DASH	0.00 AD	1.000 qt/ac	18J		
48C	BAS 0562	0.00 L	0.160 lb/ac	12J		
48D	DASH	0.00 AD	1.000 qt/ac	12J		
49	BAS 0562	0.00 L	0.190 lb/ac	18J	0	83
50A	BAS 0562	0.00 L	0.190 lb/ac	18J	0	100
50B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
51A	BAS 0562	0.00 L	0.190 lb/ac	18J	0	93
51B	DASH	0.00 AD	1.000 qt/ac	18J		
51C	BAS 0562	0.00 L	0.190 lb/ac	12J		
51D	DASH	0.00 AD	1.000 qt/ac	12J		
52A	RE 45601	2.00 EC	0.078 lb/ac	18J	0	97
52B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
53A	RE 45601	2.00 EC	0.094 lb/ac	18J	0	100
53B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
54A	RE 45601	2.00 EC	0.125 lb/ac	18J	0	100
54B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
55A	RE 45601	2.00 EC	0.100 lb/ac	18J	0	100
55B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
55C	RE 45601	2.00 EC	0.078 lb/ac	+8J		
55D	CROP OIL	0.00 AD	1.000 qt/ac	+8J		
56A	RE 45601	2.00 EC	0.125 lb/ac	18J	0	100
56B	CROP OIL	0.00 AD	1.000 qt/ac	18J		
56C	RE 45601	2.00 EC	0.078 lb/ac	+8J		
56D	CROP OIL	0.00 AD	1.000 qt/ac	+8J		
57A	RE 45601	2.00 EC	0.078 lb/ac	18J	0	87
57B	V 16508	0.00 AD	0.500 qt/ac	18J		

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TABLE S9103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---	
					CRIN	SORNA
58A	RE 45601	2.00 EC	0.078 lb/ac	18J	0	90
58B	V 16508	0.00 AD	1.000 qt/ac	18J		
59A	RE 45601	2.00 EC	0.094 lb/ac	18J	0	97
59B	V 16508	0.00 AD	0.500 qt/ac	18J		
60A	RE 45601	2.00 EC	0.094 lb/ac	18J	0	100
60B	V 16508	0.00 AD	1.000 qt/ac	18J		
61A	RE 45601	2.00 EC	0.094 lb/ac	18J	0	97
61B	DASH	0.00 AD	0.500 qt/ac	18J		
62A	RE 45601	2.00 EC	0.300 lb/ac	18J	0	97
62B	DASH	0.00 AD	0.500 qt/ac	18J		
LSD(.05) :					0	11

LOCATION : PRINCETON  
 FERTILIZER APPLIED (LB/ACRE): 0 N, 60 P, 60 K, pH : 6.6 O.M. : 1.20 %  
 DATE PLANTED : DATE TREATED : V2 JUNE 7  
 VARIETY : WILLIAMS 82  
 V4 JUNE 19  
 21D JUNE 7  
 18J JUNE 19  
 +7D JUNE 26  
 12J JULY 6  
 +8J JULY 6

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	13	90	0	83
1B	ACIFLUORFEN	2.00 L	0.380 lb/ac	MP				
1C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	23	83	0	80
2B	CHLOR. + METRI. 1:6	75.00 DF	0.008 lb/ac	LP				
2C	2,4-DB	2.00 E	0.030 lb/ac	LP				
2D	CROP OIL	0.00 AD	1.000 qt/ac	LP				
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	97	0	93
3B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PRE				
3C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	97	0	93
4B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE				
4C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
5A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	50	0	40
5B	BENTAZON	4.00 E	0.750 lb/ac	EP				
5C	ACIFLUORFEN	2.00 L	0.130 lb/ac	EP				
5D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP				
6	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PPI	0	40	0	27
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	80	0	77
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
7D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	7	77	0	73
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
8C	METHYLATED SUNFLOWER	0.00 AD	0.250 qt/ac	EP				
8D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
9A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	83	0	80
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
9C	DASH	0.00 AD	0.250 qt/ac	EP				
9D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
10A	IMAZAQUIN + ACIFLUOR	0.00	0.310 lb/ac	MP	10	93	0	87
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				

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TABLE S9114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
11A	IMAZAQUIN + ACIFLUOR	0.00	0.470 lb/ac	MP	10	93	0	90
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
12	F6285	0.42 EC	0.500 lb/ac	PPI	0	87	0	73
13	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	0	3	0	3
14A	F6285	0.42 EC	0.375 lb/ac	PPI	0	80	0	70
14B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI				
15A	F6285	0.42 EC	0.375 lb/ac	PPI	3	83	0	73
15B	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI				
16A	F6285	0.42 EC	0.500 lb/ac	PPI	0	77	0	67
16B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI				
17A	F6285	0.42 EC	0.500 lb/ac	PPI	0	53	0	43
17B	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI				
18	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	33	0	23
19A	F6285	0.42 EC	0.375 lb/ac	PPI	0	83	0	70
19B	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI				
20A	F6285	0.42 EC	0.375 lb/ac	PPI	0	57	0	50
20B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI				
21A	F6285	0.42 EC	0.500 lb/ac	PPI	10	50	0	47
21B	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI				
22A	F6285	0.42 EC	0.500 lb/ac	PPI	0	83	0	70
22B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI				
23	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PPI	0	47	0	40
24A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	93	0	87
24B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
25A	FOMESAFEN	2.00 LC	0.313 lb/ac	21D	10	97	0	93
25B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
26A	FOMESAFEN	2.00 LC	0.375 lb/ac	21D	10	93	0	87
26B	CROP OIL	0.00 AD	1.000 qt/ac	21D				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
27A	FOMESAFEN	2.00 LC	0.313 lb/ac	21D	10	93	0	90
27B	2,4-DB	2.00 E	0.031 lb/ac	21D				
27C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
28A	FOMESAFEN	2.00 LC	0.313 lb/ac	21D	13	93	0	87
28B	2,4-DB	2.00 E	0.031 lb/ac	21D				
28C	CROP OIL	0.00 AD	0.500 qt/ac	21D				
29A	FOMESAFEN	2.00 LC	0.375 lb/ac	21D	10	93	0	90
29B	2,4-DB	2.00 E	0.031 lb/ac	21D				
29C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
30A	FOMESAFEN	2.00 LC	0.375 lb/ac	21D	10	90	0	83
30B	2,4-DB	2.00 E	0.031 lb/ac	21D				
30C	CROP OIL	0.00 AD	0.500 qt/ac	21D				
31A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	93	0	87
31B	CHLORIMURON	25.00 DF	0.008 lb/ac	21D				
31C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
32A	FOMESAFEN	2.00 LC	0.240 lb/ac	21D	10	90	0	87
32B	BENTAZON	4.00 E	0.500 lb/ac	21D				
32C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
33A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	10	90	0	90
33B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
34A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	13	90	0	87
34B	BENTAZON	4.00 E	0.500 lb/ac	21D				
34C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
35A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	10	93	0	90
35B	CROP OIL	0.00 AD	0.500 qt/ac	21D				
35C	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	21D				
36A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	13	100	0	93
36B	2,4-DB	2.00 E	0.031 lb/ac	21D				
36C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
37A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	7	90	0	83
37B	IMAZAQUIN	1.50 AS	0.035 lb/ac	21D				
37C	CROP OIL	0.00 AD	0.250 qt/ac	21D				



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TABLE S9114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
38A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	93	0	87
38B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	21D				
38C	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D				
39A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	90	0	90
39B	M6316	25.00 DF	0.003 lb/ac	21D				
39C	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D				
40	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
LSD(.05) :					7	29	0	25

LOCATION : PRINCETON  
 FERTILIZER APPLIED (LB/ACRE): 0 N,  
 DATE PLANTED : MAY 17  
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM  
 0 P, 0 K, pH : 6.9 O.M. : 1.40 %  
 DATE TREATED : PPI MAY 17  
 PRE MAY 17  
 EP MAY 31  
 MP JUNE 7  
 21D JUNE 7  
 LP JUNE 15

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE S9117 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
1	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	0	97	0	93
2A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	3	90	0	83
2B	BENTAZON	4.00 E	0.750 lb/ac	EP				
2C	ACIFLUORFEN	2.00 L	0.130 lb/ac	EP				
2D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EP				
3A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	7	100	0	100
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
3C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
4A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	100	0	97
4B	METHYLATED SUNFLOWER	0.00 AD	1.000 qt/ac	MP				
4C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
5A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	7	93	0	93
5B	DASH	0.00 AD	0.250 qt/ac	MP				
5C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
6A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	2W	3	100	0	93
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2W				
7A	IMAZETHAPYR	2.00 AS	0.032 lb/ac	2W	0	97	0	93
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2W				
8A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	3W	3	87	0	87
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3W				
9A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	10	93	0	87
9B	CROP OIL	0.00 AD	1.000 qt/ac	MP				
9C	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
9D	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
10A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	10	97	0	87
10B	M6316	25.00 DF	0.001 lb/ac	MP				
10C	CROP OIL	0.00 AD	1.000 qt/ac	MP				
10D	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
10E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
11A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	10	100	0	90
11B	M6316	25.00 DF	0.002 lb/ac	MP				
11C	CROP OIL	0.00 AD	1.000 qt/ac	MP				
11D	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
11E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				

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TABLE S9117 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
12A	CHLORIMURON	25.00 DF	0.008 lb/ac	MP	10	97	0	90
12B	M6316	25.00 DF	0.003 lb/ac	MP				
12C	CROP OIL	0.00 AD	1.000 qt/ac	MP				
12D	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
12E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
13A	CHLORIMURON	25.00 DF	0.008 lb/ac	3W	10	93	0	87
13B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3W				
14A	CHLORIMURON	25.00 DF	0.008 lb/ac	2W	0	87	0	87
14B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2W				
15A	CHLORIMURON	25.00 DF	0.004 lb/ac	2W	3	80	0	67
15B	X-77 (SURFACTANT)	0.50 WA	0.250 %	2W				
16A	M6316	25.00 DF	0.001 lb/ac	MP	10	97	0	87
16B	CROP OIL	0.00 AD	1.000 qt/ac	MP				
16C	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
16D	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
17A	M6316	25.00 DF	0.002 lb/ac	MP	10	93	0	87
17B	CROP OIL	0.00 AD	1.000 qt/ac	MP				
17C	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
17D	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
18A	M6316	25.00 DF	0.003 lb/ac	MP	10	93	0	87
18B	CROP OIL	0.00 AD	1.000 qt/ac	MP				
18C	QUIZALOFOP	0.80 L	0.125 lb/ac	+7D				
18D	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
19A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	93	0	87
19B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
20A	FOMESAFEN	2.00 LC	0.313 lb/ac	21D	10	90	0	77
20B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
21A	FOMESAFEN	2.00 LC	0.375 lb/ac	21D	10	93	0	83
21B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
22A	FOMESAFEN	2.00 LC	0.313 lb/ac	21D	0	90	0	73
22B	2,4-DB	2.00 E	0.031 lb/ac	21D				
22C	CROP OIL	0.00 AD	1.000 qt/ac	21D				

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TABLE S9117 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
23A	FOMESAFEN	2.00 LC	0.313 lb/ac	21D	10	83	0	63
23B	2,4-DB	2.00 E	0.031 lb/ac	21D				
23C	CROP OIL	0.00 AD	0.500 qt/ac	21D				
24A	FOMESAFEN	2.00 LC	0.375 lb/ac	21D	3	90	0	77
24B	2,4-DB	2.00 E	0.031 lb/ac	21D				
24C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
25A	FOMESAFEN	2.00 LC	0.375 lb/ac	21D	10	93	0	87
25B	2,4-DB	2.00 E	0.031 lb/ac	21D				
25C	CROP OIL	0.00 AD	0.500 qt/ac	21D				
26A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	7	93	0	87
26B	CHLORIMURON	25.00 DF	0.008 lb/ac	21D				
26C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
27A	FOMESAFEN	2.00 LC	0.240 lb/ac	21D	10	100	0	90
27B	BENTAZON	4.00 E	0.500 lb/ac	21D				
27C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
28A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	10	97	0	87
28B	CROP OIL	0.00 AD	1.000 qt/ac	21D				
29A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	7	97	0	83
29B	BENTAZON	4.00 E	0.500 lb/ac	21D				
29C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
30A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	10	100	0	93
30B	CROP OIL	0.00 AD	0.500 qt/ac	21D				
30C	LIQUID FERTILIZER	0.00 AD	2.000 qt/ac	21D				
31A	FOMESAFEN + FLUAZIFO	2.00 EC	0.440 lb/ac	21D	10	93	0	80
31B	2,4-DB	2.00 E	0.031 lb/ac	21D				
31C	CROP OIL	0.00 AD	1.000 qt/ac	21D				
32A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	3	80	0	63
32B	IMAZAQUIN	1.50 AS	0.035 lb/ac	21D				
32C	CROP OIL	0.00 AD	0.250 qt/ac	21D				
33A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	100	0	97
33B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	21D				
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D				

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TABLE S9117 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
34A	FOMESAFEN	2.00 LC	0.250 lb/ac	21D	10	90	0	80
34B	M6316	25.00 DF	0.003 lb/ac	21D				
34C	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D				
35A	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	2W	3	80	0	63
35B	CROP OIL	0.00 AD	1.000 qt/ac	2W				
36A	BENT + ACIFL 2.23:1	4.00 E	0.375 lb/ac	2W	3	83	0	73
36B	CROP OIL	0.00 AD	1.000 qt/ac	2W				
37A	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP	10	93	3	83
37B	BENTAZON	4.00 E	0.500 lb/ac	MP				
37C	CROP OIL	0.00 AD	1.000 qt/ac	MP				
37D	QUZALOFOP	0.80 L	0.125 lb/ac	+7D				
37E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
38A	LACTOFEN	2.00 E	0.150 lb/ac	V2	10	100	0	90
38B	CHLORIMURON	25.00 DF	0.004 lb/ac	V2				
38C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2				
38D	RE 45601	2.00 EC	0.080 lb/ac	+7D				
38E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
39A	LACTOFEN	2.00 E	0.150 lb/ac	V2	7	100	0	93
39B	CHLORIMURON	25.00 DF	0.004 lb/ac	V2				
39C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	V2				
39D	RE 45601	2.00 EC	0.080 lb/ac	+7D				
39E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
40A	LACTOFEN	2.00 E	0.150 lb/ac	V2	10	100	0	97
40B	CHLORIMURON	25.00 DF	0.006 lb/ac	V2				
40C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2				
40D	RE 45601	2.00 EC	0.080 lb/ac	+7D				
40E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
41A	LACTOFEN	2.00 E	0.150 lb/ac	V2	7	97	0	83
41B	CHLORIMURON	25.00 DF	0.006 lb/ac	V2				
41C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	V2				
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2				
41E	RE 45601	2.00 EC	0.080 lb/ac	+7D				
41F	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
42A	LACTOFEN	2.00 E	0.150 lb/ac	V2	10	100	0	90
42B	BENTAZON	4.00 E	0.500 lb/ac	V2				
42C	CROP OIL	0.00 AD	1.000 qt/ac	V2				
42D	RE 45601	2.00 EC	0.080 lb/ac	+7D				
42E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				

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TABLE S9117 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
43A	LACTOFEN	2.00 E	0.150 lb/ac	V2				
43B	BENTAZON	4.00 E	0.500 lb/ac	V2				
43C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	V2				
43D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2				
43E	RE 45601	2.00 EC	0.080 lb/ac	+7D				
43F	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
44A	LACTOFEN	2.00 E	0.150 lb/ac	V2	10	97	0	97
44B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	V2				
44C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V2				
44D	RE 45601	2.00 EC	0.080 lb/ac	+7D				
44E	CROP OIL	0.00 AD	1.000 qt/ac	+7D				
LSD(.05) :					7	29	0	25

LOCATION : PRINCETON  
 FERTILIZER APPLIED (LB/ACRE): 0 N,  
 DATE PLANTED : MAY 17  
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM  
 0 P, 0 K, pH : 6.9 O.M. : 1.40 %  
 DATE TREATED : PPI MAY 17  
 EP MAY 31  
 MP JUNE 7  
 2W MAY 31  
 V2 JURN 7  
 +7D JUNE 15  
 3W JUNE 7  
 21D JUNE 7

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1989

TABLE T9025 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED----				
					GGGGG	BBBBB	CRIN	SETFA	AMARE
1	BENEFIN	1.50 E	1.500 lb/ac PPI		83	80	10	83	80
2	PENDIMETHALIN	4.00 E	1.500 lb/ac PPI		97	77	3	97	77
3	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		93	27	0	93	27
4	CLOMAZONE	4.00 EC	1.000 lb/ac PPI		97	17	3	97	17
5	CLOMAZONE	4.00 EC	2.000 lb/ac PPI		93	53	0	93	53
6	CLOMAZONE	4.00 EC	3.000 lb/ac PPI		97	73	0	97	73
7	CLOMAZONE	4.00 EC	0.750 lb/ac +1D		97	70	10	97	70
8	CLOMAZONE	4.00 EC	1.000 lb/ac +1D		93	60	0	93	60
9	CLOMAZONE	4.00 EC	2.000 lb/ac +1D		97	90	0	97	90
10	CLOMAZONE	4.00 EC	3.000 lb/ac +1D		100	87	0	100	87
11	ISOPROPALIN	6.00 E	1.500 lb/ac PPI		77	70	0	77	70
12	F6285	0.42 EC	0.375 lb/ac PPI		100	97	13	100	97
13	F6285	0.42 EC	0.500 lb/ac PPI		97	93	10	97	93
14	F6285	0.42 EC	0.375 lb/ac +1D		100	100	13	100	100
15	F6285	0.42 EC	0.500 lb/ac +1D		100	100	27	100	100
16	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100
LSD(.05) :					NS	21	12	NS	21

LOCATION : LEXINGTON  
 FERTILIZER APPLIED (LB/ACRE): 250 N,  
 DATE PLANTED : MAY 31  
 VARIETY : KY 14

SOIL TYPE : MAURY SILT LAOM  
 60 P, 60 K, pH : 6.4 O.M. : 3.40 %  
 DATE TREATED : PPI MAY 31  
 +1D JUNE 1