

# Herbicide Evaluation Trials - 1984

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## A C K N O W L E D G E M E N T S

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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 at the Lexington locations were incorporated with a power driven tiller, while at Princeton a tandem disk was used.

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

**CULTIVATION:** Plots were not cultivated except where indicated.

## **SPECIFIC EXPERIMENTAL INFORMATION:**

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

## II. ABBREVIATIONS

### A. Weed Species

<u>ABB</u>	<u>Common Name</u>	<u>Scientific Name</u>
BLNS	Eastern Black Nightshade	<i>Solanum ptycanthum</i>
CAWE	Carpetweed	<i>Mollugo verticillata</i>
COCB	Common Cocklebur	<i>Xanthium pensylvanicum</i>
COLQ	Common Lambsquarters	<i>Chenopodium album</i>
FAPA	Fall Panicum	<i>Panicum dichotomiflorum</i>
GIFT	Giant Foxtail	<i>Setaria faberi</i>
ILMG	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
JIWE	Jimsonweed	<i>Datura stramonium</i>
JOGR	Johnsongrass	<i>Sorghum halepense</i>
LACG	Large Crabgrass	<i>Digitaria sanguinalis</i>
MRTL	Marestail	<i>Conyza canadensis</i>
PESW	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
RRPW	Redroot Pigweed	<i>Amaranthus retroflexus</i>
TAMG	Tall Morningglory	<i>Ipomoea purpurea</i>
VELE	Velvetleaf	<i>Abutilon theophrasti</i>

### B. Miscellaneous

BRLE	All Broadleaf Species
GRAS	All Grass Species
CRIN	Crop Injury
SOKI	Percent Sod Killed
YLD	Yield as Bushels per Acre

### C. Crop Growth Stages at Application

1. CORN
  - SED - Seed treatment applied to seed prior to planting
  - SPK - Spiking stage; corn just emerging from soil
2. SOYBEAN
  - CRK - emerging crop cracking the soil surface
  - V4 - Four nodes on the main stem with fully developed leaves beginning with the unifoliate
  - R1 - one flower at any node
  - R3 - pod at one of the four uppermost nodes with a completely unrolled leaf

## II. ABBREVIATIONS

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

1. PPI —Preplant incorporated
2. SPI —Shallow preplant incorporated
3. PRE —Preemergence
4. EPP —Early preplant; 3 to 4 weeks before planting
5. POE —Postemergence
6. PST —Postemergence, 1"-5" corn
7. EP —Early postemergence; weeds less than 2 inches
8. MP —Mid-postemergence; weeds 2-4 inches
9. LMP —Late, Mid-Postemergence
10. LP —Late postemergence; weeds more than 6 inches
11. LLP —Late, late postemergence; salvage treatment; weeds generally larger than 18 inches
12. POD —Postemergence directed; to the base of the crop plant
13. D6 —24" corn, Postemergence directed to lower 6" of corn
14. D12 —24" corn, Postemergence directed to lower 12" of corn
15. POT —Post transplant; applied after transplanting
16. PRH —Pre-harvest
17. SAE —Selective application of glyphosate with a rope wick applicator
18. SEQ —Sequential application
19. 2LF —Two leaves formed
20. 3LF —Three leaves formed
21. 5LF —Five leaves formed
22. COD —Cotyledonary leaves fully expanded
23. UNI —Unifoliolate
24. ITR —one trifoliolate leaf formed
25. 2TR —two trifoliolate leaves formed
26. 3TR —three trifoliolate leaves formed
27. 5TR —five trifoliolate leaves formed
28. +3d —sequential treatment applied 3 days after first application
29. +5d —sequential treatment applied 5 days after first application
30. +7d —sequential treatment applied 7 days after first application
31. +2W —sequential treatment applied 2 weeks after first application
32. +3W —sequential treatment applied 3 weeks after first application
33. +4W —sequential treatment applied 4 weeks after first application
34. +6W —sequential treatment applied 6 weeks after first application
35. 10d —sequential treatment applied 10 days after first application
36. 14d —sequential treatment applied 14 days after first application
37. 18d —sequential treatment applied 18 days after first application
38. 27d —sequential treatment applied 27 days after first application
39. 30d —sequential treatment applied 30 days after first application
40. 47d —sequential treatment applied 47 days after first application
41. 60d —sequential treatment applied 60 days after first application
42. 3"B —Three inch broadleaf weed
43. 5"G —Five inch grass weed
44. 15J —12"-18" Johnsongrass
45. 18J —12"-24" Johnsongrass
46. 18W —12"-24" Weeds
47. 30W —24"-36" Weeds

### III. 1984 Climatological Data, Lexington

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
SPINDLETOP	5/ 1/84	65	42	--	89	45	60	53	61	48	.25
SPINDLETOP	5/ 2/84	60	44	.04	96	63	60	54	57	48	.04
SPINDLETOP	5/ 3/84	67	51	.41	100	77	57	55	56	50	.10
SPINDLETOP	5/ 4/84	59	51	.55	98	92	57	55	56	51	.06
SPINDLETOP	5/ 5/84	69	43	TRACE	98	68	58	52	59	45	.10
SPINDLETOP	5/ 6/84	68	54	.78	98	81	59	55	61	52	.14
SPINDLETOP	5/ 7/84	72	61	1.55	98	86	60	58	62	57	.03
SPINDLETOP	5/ 8/84	60	46	.86	96	45	61	56	61	52	.12
SPINDLETOP	5/ 9/84	57	41	--	94	50	56	51	53	44	.17
SPINDLETOP	5/10/84	68	42	--	96	46	61	51	62	45	.19
SPINDLETOP	5/11/84	76	56	--	73	32	62	55	63	51	.24
SPINDLETOP	5/12/84	75	61	.08	96	42	67	60	68	57	.25
SPINDLETOP	5/13/84	70	47	.40	96	57	66	58	66	55	.13
SPINDLETOP	5/14/84	64	51	--	99	52	61	58	62	53	.14
SPINDLETOP	5/15/84	66	42	--	96	39	60	54	61	45	.26
SPINDLETOP	5/16/84	65	37	--	97	37	62	53	64	47	.19
SPINDLETOP	5/17/84	70	38	--	95	37	64	54	67	50	.21
SPINDLETOP	5/18/84	77	46	--	96	42	67	58	72	51	.23
SPINDLETOP	5/19/84	82	58	--	78	49	68	60	74	55	.30
SPINDLETOP	5/20/84	78	64	--	89	62	68	63	73	60	.28
SPINDLETOP	5/21/84	82	66	TRACE	97	65	70	64	77	63	.27
SPINDLETOP	5/22/84	81	66	.01	96	69	70	65	74	63	.23
SPINDLETOP	5/23/84	74	62	.86	100	45	71	64	73	63	.20
SPINDLETOP	5/24/84	76	48	--	96	48	74	62	73	55	.26
SPINDLETOP	5/25/84	82	58	--	89	58	74	63	73	58	.26
SPINDLETOP	5/26/84	75	63	.32	97	61	72	66	73	64	.24
SPINDLETOP	5/27/84	77	58	--	91	62	74	64	73	59	.18
SPINDLETOP	5/28/84	76	63	.25	100	65	74	68	71	64	.16
SPINDLETOP	5/29/84	61	47	TRACE	99	72	69	56	67	54	.12
SPINDLETOP	5/30/84	62	40	--	98	47	63	54	59	45	.12
SPINDLETOP	5/31/84	72	40	--	98	39	65	55	65	48	.18

\*\*\*\*\*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	MOD	DAYS	DAYS				
SPINDLETOP	71	51	61	95	56	65	58	66	53	6.11	5.65	395	180	55

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	82	37	1.55	100	32	74	51	77	44	.30	24	16	0



### III. 1984 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
SPINDLETOP	6/ 1/84	76	48	--	89	46	69	57	71	51	.24
SPINDLETOP	6/ 2/84	84	58	--	85	56	74	62	77	58	.29
SPINDLETOP	6/ 3/84	83	65	--	92	48	76	65	83	63	.22
SPINDLETOP	6/ 4/84	84	56	.01	96	51	77	64	80	62	.24
SPINDLETOP	6/ 5/84	87	65	--	98	48	77	66	83	64	.37
SPINDLETOP	6/ 6/84	88	68	--	81	50	78	67	84	66	.28
SPINDLETOP	6/ 7/84	86	69	--	94	62	78	68	81	68	.30
SPINDLETOP	6/ 8/84	88	70	--	95	49	79	69	85	68	.36
SPINDLETOP	6/ 9/84	88	71	--	93	48	80	69	86	69	.32
SPINDLETOP	6/10/84	88	70	--	93	49	81	69	87	69	.32
SPINDLETOP	6/11/84	89	68	.23	100	61	80	70	84	70	.21
SPINDLETOP	6/12/84	91	63	--	98	50	84	68	85	66	.24
SPINDLETOP	6/13/84	91	69	--	95	47	84	72	89	70	.32
SPINDLETOP	6/14/84	89	69	--	95	48	83	73	90	72	.32
SPINDLETOP	6/15/84	89	63	--	96	50	84	71	90	70	.25
SPINDLETOP	6/16/84	90	65	2.57	98	54	83	70	88	71	.15
SPINDLETOP	6/17/84	90	68	.03	96	53	79	70	80	68	.21
SPINDLETOP	6/18/84	92	74	--	87	52	81	73	83	70	.25
SPINDLETOP	6/19/84	92	72	.07	97	49	83	74	88	71	.20
SPINDLETOP	6/20/84	88	71	--	97	60	84	74	94	72	.29
SPINDLETOP	6/21/84	84	65	--	97	57	80	72	81	68	.30
SPINDLETOP	6/22/84	86	66	.63	97	64	79	73	81	70	.24
SPINDLETOP	6/23/84	86	65	.35	97	62	80	72	81	69	.23
SPINDLETOP	6/24/84	83	70	.23	97	50	78	73	77	68	.31
SPINDLETOP	6/25/84	82	56	--	97	40	78	68	78	62	.38
SPINDLETOP	6/26/84	84	56	--							
SPINDLETOP	6/27/84	86	68	--							
SPINDLETOP	6/28/84	86	66	.72							
SPINDLETOP	6/29/84	84	63	TRACE							
SPINDLETOP	6/30/84	79	62	--							

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 \*\*\*\*\* 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	86	65	76	* 94	* 52	* 80	* 69	* 83	* 67	4.84	6.84	759	3	334

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	92	48	2.57	100	40	84	57	94	51	.38	30	3	18

### III. 1984 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP	
		HI	LO		HI	LO	GRASS		BARE			
								HI	LO	HI	LO	
SPINDLETOP	7/ 1/84	82	56	--								
SPINDLETOP	7/ 2/84	82	59	--								
SPINDLETOP	7/ 3/84	86	63	--								
SPINDLETOP	7/ 4/84	77	62	1.37								
SPINDLETOP	7/ 5/84	77	68	1.03								
SPINDLETOP	7/ 6/84	83	64	--	95	63						
SPINDLETOP	7/ 7/84	76	63	--	96	48						
SPINDLETOP	7/ 8/84	77	50	--	96	44	76	66	79	58	.25	
SPINDLETOP	7/ 9/84	86	57	--	94	50	77	68	83	64	.27	
SPINDLETOP	7/10/84	90	73	--	95	61	81	72	88	71	.31	
SPINDLETOP	7/11/84	89	73	.16	97	72	80	74	86	73	.32	
SPINDLETOP	7/12/84	85	64	--	98	48	80	72	84	67	.23	
SPINDLETOP	7/13/84	88	57	--	97	42	80	70	88	65	.23	
SPINDLETOP	7/14/84	90	64	--	95	45	82	70	94	70	.17	
SPINDLETOP	7/15/84	85	67	TRACE	95	74	80	72	87	70	.28	
SPINDLETOP	7/16/84	84	71	--	97	48	80	73	86	72	.27	
SPINDLETOP	7/17/84	85	68	--	96	53	78	71	85	64	.23	
SPINDLETOP	7/18/84	79	62	--	97	54	78	71	84	68	.27	
SPINDLETOP	7/19/84	82	53	--	99	38	79	66	87	53	.31	
SPINDLETOP	7/20/84	83	55	--	97	45	78	68	86	65	.24	
SPINDLETOP	7/21/84	87	65	--	97	52	79	71	86	70	.22	
SPINDLETOP	7/22/84	87	59	--	98	39	80	69	86	71	.28	
SPINDLETOP	7/23/84	89	60	--	98	50	81	70	88	69	.33	
SPINDLETOP	7/24/84	91	64	--	98	48	81	72	84	71	.28	
SPINDLETOP	7/25/84	86	67	.62	96	57	80	73	84	73	.22	
SPINDLETOP	7/26/84	86	67	.33	96	72	78	72	79	69	.21	
SPINDLETOP	7/27/84	76	63	.13	96	63	75	70	75	66	.11	
SPINDLETOP	7/28/84	80	57	TRACE	96	50	73	67	73	62	.14	
SPINDLETOP	7/29/84	76	59	--	96	53	74	68	77	61	.22	
SPINDLETOP	7/30/84	80	58	--	98	58	75	68	80	62	.20	
SPINDLETOP	7/31/84	86	62	.05	97	52	80	69	86	66	.26	

\*\*\*\*\*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	MOD	DAYS	DAYS			
SPINDLETOP	84	62	73	* 97	* 53	* 79	* 70	* 84	* 67	3.69	5.85	710	1 257

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	91	50	1.37	99	38	82	66	94	58	.33	30	1	17

### III. 1984 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
								HI	LO	HI	LO
SPINDLETOP	8/ 1/84	84	67	.04	97	67	77	72	78	69	.12
SPINDLETOP	8/ 2/84	86	70	.61	97	63	78	72	81	59	.19
SPINDLETOP	8/ 3/84	85	67	.05	97	62	78	72	79	69	.23
SPINDLETOP	8/ 4/84	84	71	TRACE	96	63	79	72	81	69	.17
SPINDLETOP	8/ 5/84	86	68	.14	98	62	80	73	85	69	.28
SPINDLETOP	8/ 6/84	87	69	--	99	62	80	73	83	70	.26
SPINDLETOP	8/ 7/84	88	69	--	98	63	81	73	85	70	.23
SPINDLETOP	8/ 8/84	91	72	--	97	60	83	73	89	73	.24
SPINDLETOP	8/ 9/84	89	69	--	97	49	84	74	91	72	.23
SPINDLETOP	8/10/84	89	68	--	97	63	84	74	90	72	.24
SPINDLETOP	8/11/84	85	70	--	97	65	83	73	88	81	.24
SPINDLETOP	8/12/84	87	66	--	97	49	81	72	86	70	.24
SPINDLETOP	8/13/84	89	61	--	100	40	80	71	87	59	.25
SPINDLETOP	8/14/84	90	60	--	100	40	82	71	87	69	.23
SPINDLETOP	8/15/84	90	62	--	99	35	83	71	90	70	.26
SPINDLETOP	8/16/84	90	62	--	99	42	81	71	87	70	.30
SPINDLETOP	8/17/84	90	64	.13	100	51	80	71	86	70	.23
SPINDLETOP	8/18/84	80	67	.23	100	72	79	72	79	70	.11
SPINDLETOP	8/19/84	84	62	--	100	54	76	70	79	65	.20
SPINDLETOP	8/20/84	84	60	--	100	47	77	67	81	64	.26
SPINDLETOP	8/21/84	91	56	--	99	40	80	67	85	63	.31
SPINDLETOP	8/22/84	87	67	.13	100	68	78	71	81	71	.19
SPINDLETOP	8/23/84	81	64	.01	100	42	76	70	81	67	.26
SPINDLETOP	8/24/84	80	57	--	99	42	76	66	83	63	.27
SPINDLETOP	8/25/84	83	51	--	100	39	78	65	83	62	.27
SPINDLETOP	8/26/84	87	56	--	100	41	80	66	85	64	.25
SPINDLETOP	8/27/84	90	62	--	100	49	79	69	84	68	.32
SPINDLETOP	8/28/84	80	70	TRACE	100	73	79	72	81	70	.11
SPINDLETOP	8/29/84	90	67	--	100	59	79	69	83	68	.28
SPINDLETOP	8/30/84	88	76	--	100	46	79	74	83	75	.24
SPINDLETOP	8/31/84	86	57	--	100	20	79	68	85	66	.40

\*\*\*\*\*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	HI	LO	HI	LO	MOD	DAYS	DAYS
SPINDLETOP	86	65	76	99	53	80	71	84	69	1.34	7.41	775		336

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	HI	LO	MOD	DAYS	DAYS
SPINDLETOP	91	51	.61	100	20	84	65	91	62	.40	31		17

### III. 1984 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
SPINDLETOP	9/ 1/84	90	51	--	97	26	81	65	85	64	.28
SPINDLETOP	9/ 2/84	95	68	--	82	45	82	69	87	68	.44
SPINDLETOP	9/ 3/84	79	65	.25	100	86	81	72	85	70	.09
SPINDLETOP	9/ 4/84	74	57	--	100	56	72	66	72	62	.14
SPINDLETOP	9/ 5/84	76	49	--	100	46	71	61	71	56	.21
SPINDLETOP	9/ 6/84	77	42	--	100	32	74	59	77	55	.22
SPINDLETOP	9/ 7/84	86	57	--	84	44	75	63	79	61	.29
SPINDLETOP	9/ 8/84	84	60	--	95	42	76	64	80	62	.37
SPINDLETOP	9/ 9/84	82	67	TRACE	85	53	75	65	77	63	.28
SPINDLETOP	9/10/84	86	67	TRACE	100	53	77	67	79	66	.16
SPINDLETOP	9/11/84	86	68	--	100	50	79	69	82	68	.27
SPINDLETOP	9/12/84	91	60	--	100	32	82	67	85	66	.25
SPINDLETOP	9/13/84	94	62	--	100	39	83	68	87	67	.32
SPINDLETOP	9/14/84	92	69	.03	100	45	81	71	85	70	.23
SPINDLETOP	9/15/84	71	57	.04	100	45	77	66	77	64	.20
SPINDLETOP	9/16/84	70	41	--	100	35	73	58	75	55	.22
SPINDLETOP	9/17/84	75	44	--	100	38	74	58	76	55	.24
SPINDLETOP	9/18/84	80	54	--	93	37	76	62	79	60	.24
SPINDLETOP	9/19/84	83	49	--	100	33	76	61	79	59	.31
SPINDLETOP	9/20/84	88	57	--	100	34	77	62	81	60	.30
SPINDLETOP	9/21/84	91	53	--	100	26	81	63	83	62	.32
SPINDLETOP	9/22/84	91	66	--	88	34	79	66	82	65	.32
SPINDLETOP	9/23/84	78	65	.53	100	65	75	69	77	67	.09
SPINDLETOP	9/24/84	70	66	.34	100	87	71	68	68	64	.07
SPINDLETOP	9/25/84	86	66	--	100	56	74	65	73	63	.20
SPINDLETOP	9/26/84	65	53	.02	100	45	74	61	72	58	.26
SPINDLETOP	9/27/84	54	46	TRACE	90	72	65	57	62	51	.08
SPINDLETOP	9/28/84	64	48	.20	100	52	63	57	61	51	.11
SPINDLETOP	9/29/84	63	40	--	100	52	62	54	59	48	.13
SPINDLETOP	9/30/84	67	49	.05	100	77	62	55	59	50	.09

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

#### SUMMARY

AVERAGES	ACCUMULATIONS										GDD	HEAT	COOL	
	FOR PERIOD					FOR PERIOD								
STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	50	DEG.	DEG.
	HI	LO		AVG	HI	LO	GRASS	BARE	HI					
SPINDLETOP	80	57	68	97	48	75	64	76	61	1.46	6.73	548	72	172

#### EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS	BARE	HI	LO				
SPINDLETOP	95	40	.53	100	26	83	54	87	48	.44	28	15	17

### III. 1984 Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
PRINCETON	5/ 1/84	71	40	--	100	38	68	64			
PRINCETON	5/ 2/84	70	54	.46	100	42	68	66			
PRINCETON	5/ 3/84	68	56	.52	100	68	69	67			
PRINCETON	5/ 4/84	70	51	.38	100	70	68	67			
PRINCETON	5/ 5/84	62	50	.11	100	80	68	67			
PRINCETON	5/ 6/84	66	50	1.43	100	100	67	64			
PRINCETON	5/ 7/84	68	58	3.82	100	100	67	64			
PRINCETON	5/ 8/84	63	48	.15	100	50	63	60			
PRINCETON	5/ 9/84	64	42	TRACE	100	52	64	62			
PRINCETON	5/10/84	75	44	--	100	44	68	64			
PRINCETON	5/11/84	79	64	--	92	50	68	62			
PRINCETON	5/12/84	80	53	--	100	44	68	64			
PRINCETON	5/13/84	80	56	.47	100	76	69	63			
PRINCETON	5/14/84	74	60	TRACE	100	62	68	64			
PRINCETON	5/15/84	72	42	--	68	32	69	65			
PRINCETON	5/16/84	72	45	--	100	32	70	64			
PRINCETON	5/17/84	75	43	--	90	34	70	62			
PRINCETON	5/18/84	82	48	--	100	28	71	64			
PRINCETON	5/19/84	82	56	--	100	58	71	66			
PRINCETON	5/20/84	80	64	--	100	66	71	69			
PRINCETON	5/21/84	81	68	TRACE	100	100	72	66			
PRINCETON	5/22/84	80	65	--	100	100	72	68			
PRINCETON	5/23/84	78	60	.97	100	100	70	64			
PRINCETON	5/24/84	78	50	--	100	50	72	68			
PRINCETON	5/25/84	85	62	--	98	68	72	68			
PRINCETON	5/26/84	65	55	.27	100	100	70	68			
PRINCETON	5/27/84	70	59	.81	100	100	71	68			
PRINCETON	5/28/84	78	63	.02	100	100	71	68			
PRINCETON	5/29/84	76	48	--	100	50	71	68			
PRINCETON	5/30/84	68	42	--	100	60	74	64			
PRINCETON	5/31/84	74	44	--	100	40	75	66			

\*\*\*\*\*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	
PRINCETON	74	53	64	98	64	69	65	9.41	451	108	62

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	85	40	3.82	100	28	75	60	25	12	10

### III. 1984 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
PRINCETON	6/ 1/84	80	50	--	100	44	70	62			
PRINCETON	6/ 2/84	86	60	--	100	52	73	64			
PRINCETON	6/ 3/84	86	60	--	100	58	74	65			
PRINCETON	6/ 4/84	87	62	--	100	50	74	65			
PRINCETON	6/ 5/84	86	67	.16	100	52	76	78			
PRINCETON	6/ 6/84	85	70	--	100	80	76	70			
PRINCETON	6/ 7/84	85	71	--	100	54	76	71			
PRINCETON	6/ 8/84	89	71	--	100	48	77	72			
PRINCETON	6/ 9/84	88	70	--	100	42	77	72			
PRINCETON	6/10/84	88	70	--	100	62	76	71			
PRINCETON	6/11/84	91	68	.72	100	60	77	74			
PRINCETON	6/12/84	91	67	--	100	50	80	74			
PRINCETON	6/13/84	92	67	--	100	62	81	78			
PRINCETON	6/14/84	93	69	.78	100	60	81	76			
PRINCETON	6/15/84	93	70	--	100	78	82	76			
PRINCETON	6/16/84	90	67	.02	100	80	83	78			
PRINCETON	6/17/84	89	71	--	100	72	83	76			
PRINCETON	6/18/84	86	73	.33	100	100	84	78			
PRINCETON	6/19/84	92	72	.09	100	100	82	76			
PRINCETON	6/20/84	92	71	--	100	84	84	78			
PRINCETON	6/21/84	87	69	.06	100	96	84	76			
PRINCETON	6/22/84	88	70	.10	100	92	84	76			
PRINCETON	6/23/84	80	67	.87	100	100	84	76			
PRINCETON	6/24/84	82	70	--	100	58	83	76			
PRINCETON	6/25/84	86	62	--	100	52	83	78			
PRINCETON	6/26/84	86	58	--	100	58	82	76			
PRINCETON	6/27/84	86	57	--	100	58	84	78			
PRINCETON	6/28/84	88	62	--	100	58	82	76			
PRINCETON	6/29/84	87	64	--	100	50	84	74			
PRINCETON	6/30/84	83	62	--	100	76	82	76			

\*\*\*\*\*A "\*" ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
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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	MOD	DAYS	DAYS
PRINCETON	87	66	77	100	66	80	74	3.13	780	361

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	93	50	.87	100	42	84	62	30	17	

### III. 1984 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
								HI	LO	HI	LO
PRINCETON	7/ 1/84	80	63	--	100	66	79	74			
PRINCETON	7/ 2/84	88	61	--	100	70	80	72			
PRINCETON	7/ 3/84	91	66	--	100	54	82	75			
PRINCETON	7/ 4/84	90	70	1.05	100	100	80	76			
PRINCETON	7/ 5/84	82	67	1.44	100	100	82	78			
PRINCETON	7/ 6/84	88	68	--	100	78	84	78			
PRINCETON	7/ 7/84	89	69	.12	100	78	82	76			
PRINCETON	7/ 8/84	87	55	--	100	48	81	73			
PRINCETON	7/ 9/84	93	67	--	100	60	82	75			
PRINCETON	7/10/84	92	76	--	92	68	83	78			
PRINCETON	7/11/84	92	65	--	100	78	83	78			
PRINCETON	7/12/84	90	60	--	100	77	82	75			
PRINCETON	7/13/84	92	62	--	100	50	83	76			
PRINCETON	7/14/84	92	62	--	100	48	84	78			
PRINCETON	7/15/84	92	62	--	100	82	84	75			
PRINCETON	7/16/84	92	74	.32	100	78	84	76			
PRINCETON	7/17/84	87	63	--	100	84	82	76			
PRINCETON	7/18/84	88	59	.05	100	60	83	77			
PRINCETON	7/19/84	92	62	--	100	78	84	77			
PRINCETON	7/20/84	94	68	--	100	100	84	76			
PRINCETON	7/21/84	94	67	--	100	64	84	76			
PRINCETON	7/22/84	92	68	--	100	48	84	75			
PRINCETON	7/23/84	88	65	--	100	50	83	76			
PRINCETON	7/24/84	92	65	--	100	56	83	77			
PRINCETON	7/25/84	99	67	--	100	70	84	77			
PRINCETON	7/26/84	93	69	--	100	52	84	79			
PRINCETON	7/27/84	76	64	.02	100	90	83	76			
PRINCETON	7/28/84	84	58	--	100	78	79	72			
PRINCETON	7/29/84	84	60	--	100	54	80	72			
PRINCETON	7/30/84	84	59	--	100	62	80	72			
PRINCETON	7/31/84	79	65	.16	98	84	79	74			

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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	MOD	DAYS	DAYS
PRINCETON	89	65	77	100	70	82	76	3.16	777	371

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
PRINCETON	99	55	1.44	100	48	84	72	31		10

### III. 1984 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
PRINCETON	8/ 1/84	87	66	--	100	70	80	76			
PRINCETON	8/ 2/84	78	70	.20	100	100	80	78			
PRINCETON	8/ 3/84	85	68	--	100	68	80	76			
PRINCETON	8/ 4/84	82	66	.48	100	78	80	76			
PRINCETON	8/ 5/84	87	69	.03	100	100	82	75			
PRINCETON	8/ 6/84	88	73	.05	100	70	80	76			
PRINCETON	8/ 7/84	90	70	--	100	78	80	76			
PRINCETON	8/ 8/84	90	72	--	100	100	82	76			
PRINCETON	8/ 9/84	92	68	--	100	78	82	78			
PRINCETON	8/10/84	94	71	--	100	70	84	80			
PRINCETON	8/11/84	92	68	1.97	100	78	82	78			
PRINCETON	8/12/84	92	67	--	100	76	83	76			
PRINCETON	8/13/84	88	66	--	100	60	83	75			
PRINCETON	8/14/84	92	65	--	100	50	84	76			
PRINCETON	8/15/84	90	66	--	100	60	88	76			
PRINCETON	8/16/84	93	68	--	100	56	84	74			
PRINCETON	8/17/84	92	65	--	100	60	86	78			
PRINCETON	8/18/84	82	68	.43	100	100	84	78			
PRINCETON	8/19/84	86	69	--	100	76	83	77			
PRINCETON	8/20/84	84	61	--	100	58	84	78			
PRINCETON	8/21/84	92	58	--	100	50	84	78			
PRINCETON	8/22/84	90	72	.80	100	90	82	76			
PRINCETON	8/23/84	82	60	--	100	50	84	76			
PRINCETON	8/24/84	81	58	--	100	60	86	78			
PRINCETON	8/25/84	84	57	--	100	48	84	78			
PRINCETON	8/26/84	86	55	--	100	48	82	72			
PRINCETON	8/27/84	89	59	--	100	60	84	78			
PRINCETON	8/28/84	88	69	.68	100	100	82	78			
PRINCETON	8/29/84	92	68	--	100	80	84	76			
PRINCETON	8/30/84	92	76	.02	100	60	82	76			
PRINCETON	8/31/84	90	72	--	100	20	82	74			

\*\*\*\*\*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	88	66	77	100	69	83	77	4.66	805	387
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
PRINCETON	94	55	1.97	100	20	88	72	31		19



### III. 1984 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP	
		HI	LO		HI	LO	GRASS		BARE			
								HI	LO	HI	LO	
PRINCETON	9/ 1/84	88	70	--	100	68	84	78				
PRINCETON	9/ 2/84	93	57	--	100	54	85	78				
PRINCETON	9/ 3/84	89	67	.30	100	58	84	76				
PRINCETON	9/ 4/84	74	56	--	100	48	81	74				
PRINCETON	9/ 5/84	80	51	--	100	44	75	74				
PRINCETON	9/ 6/84	82	54	--	100	46	76	75				
PRINCETON	9/ 7/84	84	60	--	100	50	76	75				
PRINCETON	9/ 8/84	83	62	--	100	64	75	75				
PRINCETON	9/ 9/84	74	66	.28	100	86	75	71				
PRINCETON	9/10/84	82	65	--	100	80	76	71				
PRINCETON	9/11/84	88	66	.44	100	65	78	72				
PRINCETON	9/12/84	92	65	--	100	70	79	75				
PRINCETON	9/13/84	92	65	--	100	65	80	78				
PRINCETON	9/14/84	91	65	--	100	70	82	78				
PRINCETON	9/15/84	68	58	.22	100	78	82	76				
PRINCETON	9/16/84	68	45	--	100	44	81	71				
PRINCETON	9/17/84	72	42	--	100	40	72	62				
PRINCETON	9/18/84	78	58	--	100	38	74	70				
PRINCETON	9/19/84	82	47	--	100	38	76	72				
PRINCETON	9/20/84	85	47	--	100	48	77	75				
PRINCETON	9/21/84	88	50	--	100	32	78	76				
PRINCETON	9/22/84	88	66	--	80	36	74	72				
PRINCETON	9/23/84	80	68	.16	100	86	74	72				
PRINCETON	9/24/84	70	67	.65	100	100	74	72				
PRINCETON	9/25/84	84	66	--	100	100	75	70				
PRINCETON	9/26/84	61	48	.07	100	56	75	66				
PRINCETON	9/27/84	57	49	.02	100	84	68	63				
PRINCETON	9/28/84	63	46	--	100	68	64	60				
PRINCETON	9/29/84	62	44	--	100	58	64	60				
PRINCETON	9/30/84	57	46	.01	100	78	64	60				

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

AVERAGES	SUMMARY										FOR PERIOD
	FOR PERIOD					ACCUMULATIONS					
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL		
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	
				HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	79	57	68	99	62	76	72	2.15	543	75	166

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
PRINCETON	93	42	.65	100	32	85	60	28	13	14

#### IV. Herbicides Used in Weed Control Studies, 1984

<u>CHEMICAL/COMMON</u>	<u>TRADE NAME</u>	<u>COMPANY</u>
2,4-D	Dacamine 4D	Biotec
2,4-D amine	2,4-D amine	Dow; Union Carbide
2,4-DB	Butyrac 200	Union Carbide
2,4-D ester	Esteron 99	Dow
AC 252,214	Scepter	American Cyanamid
Acifluorfen 1	Blazer 2L	Rohm & Haas
Acifluorfen 2	Tackle	Rhone Poulenc
Alachlor	Lasso 4E, 4ME	Monsanto
Alachlor + Atrazine	Lasso/Atrazine	Monsanto
Alachlor + Glyphosate	Bronco (Lasso 2.5 + Roundup 1.5)	Monsanto
Atrazine	Shell Atrazine, AAtrex, Atrazine Nine-O	Shell; Ciba Geigy
BAS-51400		BASF
Benazolin		Noram
Benefin	Balan	Elanco
Bentazon	Basagran	BASF
Bifenox	Modown	Rhone Poulenc
Bromoxynil 2	Buctril	Rhone Poulenc
Bromoxynil	Brominal ME4	Union Carbide
Butylate +	Genate Plus	PPG
Butylate + R25788	Sutan+	Stauffer
Butylate + R25788 + Atrazine	Sutazine	Stauffer
Butylate + R33865	Sutan pkg. mix w/R33865	Stauffer
Chloramben	Amiben, 75DF	Union Carbide
Cloproxydim	Selectone	Chevron
CN 6471		Velsicol
CP 55097	Harness	Monsanto
Cyanazine	Bladex 4L	Shell
Cycloate	Ro-neet	Stauffer
Cycloate + R25788	Ro-neet + R25788	Stauffer
Dicamba	Banvel	Velsicol
Dicamba II	Banvel II	Velsicol
Diclofop methyl	Hoelon	American Hoechst
Diphenamid	Enide	Upjohn
Dowco 356	Tandem	Dow
Dowco 453	Verdict	Dow
DPX 6025	Classic	Dupont
DS 57614		Biotec
EPTC	Eptam	Stauffer
EPTC + R25788 + R33865	Eradicane Extra	Stauffer
Ethalfuralin	Sonalan	Elanco
FMC 57020	Command	FMC
Fluazifop butyl	Fusilade	ICI
Fluchloralin	Basalin	BASF
Glyphosate	Roundup	Monsanto
HOE 581	Whip	American Hoechst
HOE 39866 (661)		American Hoechst
Isopropalin	Paarlan	Elanco
Linuron	Lorox	Dupont

<u>CHEMICAL/COMMON</u>	<u>TRADE NAME</u>	<u>COMPANY</u>
Liquid Fertilizer		Monsanto
MON 0139		Ciba Geigy
Metolachlor	Dual	
Metolachlor + Atrazine	Bicep 4.5E, 6L (Dual 2.5 + AAtrex 2.0)	Ciba Geigy
Metribuzin 1	Sencor 4F, 75DF	Mobay
Metribuzin 1 or 2	Metribuzin	
Metribuzin 2	Lexone	Dupont
MCPP + Dicamba + 2,4-D	EH 540	PBI Gordon
MOO-70701		Shell
MOO-70523		Shell
MOO-70492-1		Shell
Nanpa/DN	Dyanap 3E, 75SG	Uniroyal
Napropamide	Devrinol	Stauffer
Naptalam	Alanap L	Uniroyal
Naptalam + 2,4-DB	Rescue	Uniroyal
Norflurazon	Zorial	Zoecon
Oil Concentrate	Torch, Amoco, Atplus	
Oryzalin	Surflan	Elanco
Oxyfluorfen	Goal 1.6 EC	Rohm & Haas
Paraquat	Paraquat Plus	Chevron
Paraquat 2	Gramoxone	ICI
Pebulate	Tillam	Stauffer
Pendimethalin	Prowl	American Cyanamid
PP 005		ICI
PP 021	Reflex	ICI
PPG 884	Cobra	PPG
PPG 1013		PPG
PPG 1259		PPG
Pyridate	RS/010	Riverside Terra
R 40244	Racer	Stauffer
RE 39071		Chevron
SC 0224		Stauffer
SC 1084		Stauffer
SC 5676		Stauffer
SD 95481	Cinch	Shell
SD 15418	Bladex (DF)	Shell
Sethoxydim	Poast	BASF
Simazine	Princep	Ciba Geigy
Surfactant	X-77, Triton, Ag 98, XE 1034, Ag 3008, Arquad	
Trifluralin	Treflan	Elanco
Trifluralin + Oryzalin	Conserve	Elanco
Vernolate	Vernam	Stauffer
Vernolate + R33865	Reward	Stauffer
Y6202	Assure	Dupont

Table 1: Corn Preemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MTH	JUNE 15							
					GRAS	IRLE	CRIN	GIEL	VELE	COLB	JUNE	ILMG
1	ALACHLOR	4.00 MF	2.500 LB/AC	PRE	100	22	0	100	15	52	10	18
2	ALACHLOR	4.00 MF	3.000 LB/AC	PRE	98	40	0	98	22	64	12	20
3A	ALACHLOR	4.00 E	2.000 LB/AC	PRE	100	95	0	100	95	100	98	80
3B	CYANAZINE	4.00 L	2.000 LB/AC	PRE								
3C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	100	100	100	98
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
5A	ALACHLOR	4.00 F	2.500 LB/AC	PRE	100	72	0	100	100	100	18	38
5B	BIFENOX	4.00 L	1.500 LB/AC	PRE								
6	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	42	0	98	25	55	8	18
7	METOLACHLOR	8.00 E	3.000 LB/AC	PRE	100	25	0	100	25	39	12	12
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	78	0	95	95	33	55	62
8B	BIFENOX	4.00 L	1.500 LB/AC	PRE								
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	98	0	100	100	100	95	85
9B	ATRAZINE	90.00 WDG	1.500 LB/AC	PRE								
10	ATRAZINE	4.00 L	2.000 LB/AC	PRE	48	75	0	48	72	98	62	58
11	CYANAZINE	4.00 L	3.000 LB/AC	PRE	30	88	0	90	88	98	68	65
12A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	80	82	0	80	92	100	48	72
12B	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
13	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	92	88	0	92	72	100	80	72
14	BIFENOX	4.00 L	2.000 LB/AC	PRE	42	72	0	42	100	92	5	30
15A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	92	98	0	92	100	100	98	95
15B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
16	CP 55097	4.00 EC	2.000 LB/AC	PRE	100	65	0	100	62	45	52	48
17	SC 5576	4.00 E	1.000 LB/AC	PRE	100	75	0	100	65	34	48	60
18	SC 5576	4.00 E	2.000 LB/AC	PRE	100	78	0	100	62	92	58	52
19	SC 5576	4.00 E	3.000 LB/AC	PRE	100	75	0	100	65	98	70	52



**Table 2: Corn Preemergence—Second Evaluation**

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 25-----					
					GRN	GRY	VEG	COLR	LINE	DMG
1	ALACHLOR	4.00 MF	2.500 LB/AC	PRE	0	75	32	10	5	10
2	ALACHLOR	4.00 MF	3.000 LB/AC	PRE	0	92	8	42	12	5
3A	ALACHLOR	4.00 E	2.000 LB/AC	PRE	0	98	95	100	92	70
3B	CYANAZINE	4.00 L	2.000 LB/AC	PRE						
3C	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	100	100	100	100	85
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	95	100	92	40	20
5B	BIFENOX	4.00 L	1.500 LB/AC	PRE						
6	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	92	15	38	0	5
7	METOLACHLOR	8.00 E	3.000 LB/AC	PRE	0	100	20	20	8	8
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	85	95	75	50	72
8B	BIFENOX	4.00 L	1.500 LB/AC	PRE						
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	90	98	100	68	72
9B	ATRAZINE	4.00 WDG	1.500 LB/AC	PRE						
10	ATRAZINE	4.00 L	2.000 LB/AC	PRE	0	28	68	98	62	48
11	CYANAZINE	4.00 L	3.000 LB/AC	PRE	0	75	80	95	62	72
12A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	62	90	100	45	69
12B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
13	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	0	78	62	100	72	55
14	BIFENOX	4.00 L	2.000 LB/AC	PRE	0	20	100	92	5	30
15A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	0	78	100	100	92	90
15B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
16	CP 55097	8.00 EC	2.000 LB/AC	PRE	0	100	50	70	50	25
17	SC 5576	4.00 E	1.000 LB/AC	PRE	0	100	52	78	45	42
18	SC 5576	4.00 E	2.000 LB/AC	PRE	0	100	42	85	50	48
19	SC 5576	4.00 E	3.000 LB/AC	PRE	0	100	58	88	62	25



**Table 3: Corn Preplant Incorporated—First Evaluation**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRAS	HRLE	CRIN	GLEI	VELE	COLB	TIME	ILMB
1	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	100	78	0	100	82	85	72	78
2	METOLACHLOR	8.00 E	3.000 LB/AC	PPI	100	82	0	100	85	95	80	80
3	ALACHLOR	4.00 MF	2.500 LB/AC	PPI	100	65	0	100	72	75	50	52
4	ALACHLOR	4.00 MF	3.000 LB/AC	PPI	100	72	0	95	68	52	72	55
5A	ALACHLOR	4.00 E	2.500 LB/AC	PPI	100	100	0	100	100	100	100	100
5B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
6	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PPI	100	98	0	100	92	100	95	95
7	CP 55097	8.00 EC	2.500 LB/AC	PPI	100	98	0	100	100	98	95	95
8	BUTYLATE + P	6.70 EC	3.000 LB/AC	PPI	58	38	0	58	78	28	18	5
9	SC 5576	4.00 E	1.000 LB/AC	SPI	100	82	0	100	88	88	80	72
10	SC 5576	4.00 E	2.000 LB/AC	SPI	100	92	0	100	98	98	95	92
11	SC 5576	4.00 E	3.000 LB/AC	SPI	100	95	5	100	90	100	90	92
12	SC 5576 + P 29149	4.00 E	3.000 LB/AC	SPI	100	95	0	100	92	98	88	90
13A	SC 5576	4.00 E	1.000 LB/AC	SPI	100	100	0	100	100	100	100	98
13B	ATRAZINE	4.00 L	1.500 LB/AC	SPI								
14A	CYCLDATE	6.00 E	3.000 LB/AC	PPI	98	98	0	98	95	100	95	95
14B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
15A	CYCLDATE	6.00 E	4.000 LB/AC	PPI	100	100	0	100	100	100	100	100
15B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
16A	CYCLDATE	6.00 E	5.000 LB/AC	PPI	100	100	0	100	100	100	100	98
16B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
17A	RD-NEET/R 25788	6.00 EC	3.000 LB/AC	PPI	95	100	0	95	100	100	100	100
17B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
18A	RD-NEET/R 25788	6.00 EC	4.000 LB/AC	PPI	100	100	0	100	100	100	100	100
18B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
19A	RD-NEET/R 25788	6.00 EC	5.000 LB/AC	PPI	100	100	0	100	100	100	100	100
19B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								



Table 3: continued

TRT TUA	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----								
					GRAS	RYLE	CRIN	CIET	VELE	COLB	LIWE	LMG	
20A	BUTYLATE + 4-25738	6.70 E	4.000 LB/AC	PP1	90	100	0	90	100	100	100	100	100
20B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
21A	BUTYLATE + 4-25738	6.70 E	6.000 LB/AC	PP1	98	100	0	98	100	100	100	100	100
21B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
22A	BUTYLATE + 4-33465	6.00 E	4.000 LB/AC	PP1	90	100	0	90	100	100	100	98	
22B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
23A	BUTYLATE + 4-33465	6.00 E	6.000 LB/AC	PP1	98	100	0	98	100	100	100	100	100
23B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
24A	BUTYLATE + 4-33465	6.00 E	4.000 LB/AC	PP1	90	100	0	90	100	100	100	100	100
24B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
25A	BUTYLATE + 4-33465	6.00 E	6.000 LB/AC	PP1	98	100	0	98	100	100	100	100	100
25B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
26A	DONCO 356	4.00 E	.750 LB/AC	PP1	95	100	0	95	98	100	100	98	
26B	ATRAZINE	4.00 L	1.500 LB/AC	PP1									
27A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PP1	90	95	0	90	100	100	80	84	
27B	PPG 1013	.25 EC	.200 LB/AC	PPE									
28A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PP1	92	95	0	92	98	100	95	90	
28B	PPG 1013	.25 EC	.500 LB/AC	PPE									
29A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PP1	95	88	5	95	98	100	52	82	
29B	PPG 1013	.25 EC	.030 LB/AC	SPK									
30A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PP1	90	90	0	90	100	100	72	70	
30B	PPG 1259	.50 EC	.150 LB/AC	PPE									
31A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PP1	92	85	0	92	100	100	60	62	
31B	PPG 1259	.50 EC	.200 LB/AC	PPE									
32	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100
				USD (05):	10	11	2	10	15	11	25	18	

**Table 3: continued**

LOCATION: SPINDLETOP FARM  
FERTILIZATION (LB/AC): 250 N,  
DATE PLANTED: MAY 11  
VARIETY: PIONEER 3369A

SOIL TYPE: MARY SILT LOAM  
60 P, 60 K P4: 5.6 O.M.: 3.3%  
DATE TREATED: PPI MAY 11  
PRE MAY 11  
SPK MAY 21

PPI, PRE WERE EVALUATED JUNE 15  
SPIKE TREATMENT EVALUATED JUNE 21  
SPI - SHALLOW PPI

**Table 4: Corn Preplant Incorporated—Second Evaluation**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK. AFTER APPLIED---					
					CRIV	SEI	VELE	COLL	TIME	ILMS
1	METOLACHLOR	9.00 E	2.500 LB/AC	PPI	0	100	68	68	62	55
2	METOLACHLOR	9.00 E	3.000 LB/AC	PPI	0	100	45	62	72	65
3	ALACHLOR	4.00 MF	2.500 LB/AC	PPI	0	90	52	52	50	35
4	ALACHLOR	4.00 MF	3.000 LB/AC	PPI	0	100	48	62	65	60
5A	ALACHLOR	4.00 E	2.500 LB/AC	PPI	0	95	100	100	100	92
5B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
6	METALACHLOR + ATRAZI	5.00 L	3.600 LB/AC	PPI	0	98	84	100	88	82
7	CP 55097	9.00 EC	2.500 LB/AC	PPI	0	100	98	48	98	75
8	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	40	50	12	10	J
9	SC 5576	4.00 E	1.000 LB/AC	SPI	0	100	70	78	60	48
10	SC 5576	4.00 E	2.000 LB/AC	SPI	0	100	92	90	75	70
11	SC 5576	4.00 E	3.000 LB/AC	SPI	0	100	82	95	80	72
12	SC 5576 + R 29148	4.00 E	3.000 LB/AC	SPI	0	100	80	90	70	68
13A	SC 5576	4.00 E	1.000 LB/AC	SPI	0	98	100	100	100	92
13B	ATRAZINE	4.00 L	1.500 LB/AC	SPI						
14A	CYCLJATE	5.00 E	3.000 LB/AC	PPI	0	80	95	100	92	88
14B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
15A	CYCLJATE	6.00 E	4.000 LB/AC	PPI	0	92	95	100	100	95
15B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
16A	CYCLJATE	5.00 E	5.000 LB/AC	PPI	0	90	95	100	98	98
16B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
17A	R0-NEET/R 25788	5.00 EC	3.000 LB/AC	PPI	0	85	100	100	92	90
17B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
18A	R0-NEET/R 25788	6.00 EC	4.000 LB/AC	PPI	0	95	100	100	100	98
18B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
19A	R0-NEET/R 25788	5.00 EC	5.000 LB/AC	PPI	0	95	100	100	100	100
19B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						

Table 4: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED---					
					GRN	STRT	VELE	COLL	TIME	ILMG
20A	BUTYLATE + R-25784	6.70 E	4.000 LB/AC	PPI	0	64	100	94	100	92
20B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
21A	BUTYLATE + R-25784	6.70 E	6.000 LB/AC	PPI	0	48	100	100	100	92
21B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
22A	BUTYLATE+ + R 33465	6.00 E	4.000 LB/AC	PPI	0	70	100	100	100	95
22B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
23A	BUTYLATE+ + R 33465	6.00 E	6.000 LB/AC	PPI	0	90	100	100	100	98
23B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
24A	BUTYLATE+ + R 33465	6.00 E	4.000 LB/AC	PPI	0	65	100	100	100	95
24B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
25A	BUTYLATE+ + R 33465	6.00 E	6.000 LB/AC	PPI	0	48	100	100	100	98
25B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
26A	DDACD 356	4.00 E	.750 LB/AC	PPI	0	78	95	100	95	88
26B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
27A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	64	95	100	64	68
27B	PPG 1013	.25 EC	.200 LB/AC	PRE						
28A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	75	95	100	78	70
28B	PPG 1013	.25 EC	.300 LB/AC	PRE						
29A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	72	90	94	52	50
29B	PPG 1013	.25 EC	.030 LB/AC	SPR						
30A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	70	100	100	50	50
30B	PPG 1259	.50 EC	.150 LB/AC	PRE						
31A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	72	100	95	40	42
31B	PPG 1259	.50 EC	.200 LB/AC	PRE						
32	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100

LSD(.05):

Table 4: continued

LOCATION: SPINDLETOP FARM  
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
DATE PLANTED: MAY 11  
VARIETY: PIONEER 3369A

SOIL TYPE: MARY SILT LOAM  
PH: 5.6 O.M.: 3.3X  
DATE TREATED: PPI MAY 11  
PRE MAY 11  
SPI MAY 21

PPI, PRE WERE EVALUATED JULY 15  
SPIKE TREATMENT EVALUATED JULY 21  
SPI - SHALLOW PPI

Table 5: Corn Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED---						EVALUATED 8 WK. AFTER			
					GRAS	GRLE	GRIN	GIFI	VELE	COLD	GRIN	GIFI	VELE	COLD
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	98	100	0	100	95	100
1B	ATRAZINE	4.00 L	2.000 LB/AC	EP										
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	98	0	100	90	100	0	95	90	100
2B	DICAMBA II	2.00 S	.250 LB/AC	MP										
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	98	0	98	95	95	0	90	95	98
3B	BROMOXYNIL 2	2.00 E	.250 LB/AC	MP										
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	98	0	100	92	100	0	92	90	100
4B	BROMOXYNIL 2	2.00 E	.380 LB/AC	MP										
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	95	0	98	90	100	0	90	90	100
5B	BROMOXYNIL 2	2.00 E	.250 LB/AC	MP										
5C	ATRAZINE	4.00 L	.500 LB/AC	MP										
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	88	0	98	70	100	0	90	70	100
6B	BROMOXYNIL 2	2.00 E	.250 LB/AC	MP										
6C	ATRAZINE	4.00 L	.500 LB/AC	MP										
6D	DONCO 356	4.00 E	.500 LB/AC	MP										
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	98	100	0	95	98	100
7B	BROMOXYNIL 2	2.00 E	.250 LB/AC	MP										
7C	DICAMBA	4.00 S	.250 LB/AC	MP										
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	98	0	100	95	100	0	98	92	100
8B	BROMOXYNIL 2	2.00 E	.250 LB/AC	MP										
8C	CYANAZINE	90.00 WP	.500 LB/AC	MP										
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	95	100	0	92	95	100
9B	BROMOXYNIL 2	2.00 E	.250 LB/AC	MP										
9C	2,4-D AMINE	4.00 E	.250 LB/AC	MP										
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	85	0	100	75	90	0	95	75	88
10B	BENAZOLIN	4.00 F	.250 LB/AC	LP										
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	92	0	100	82	98	0	95	82	98
11B	BENAZOLIN	4.00 F	.380 LB/AC	LP										
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	90	0	100	85	92	0	92	85	92
12B	BENAZOLIN	4.00 F	.130 LB/AC	LP										
12C	2,4-D AMINE	4.00 E	.250 LB/AC	LP										

Table 5: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						EVALUATED 8 WK. AFTER			
					GRAS	BRLE	CRIN	GIEI	VELE	COLQ	CRIN	GIEI	VELE	COLQ
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	85	0	98	75	95	0	89	75	95
134	BEVAZOLIN	4.00 E	.130 LB/AC	LP										
13C	2,4-D AMINE	4.00 E	.130 LB/AC	LP										
13D	DICAMBA	4.00 S	.130 LB/AC	LP										
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	85	0	100	79	95	0	92	78	92
14B	BEVAZOLIN	4.00 E	.250 LB/AC	LP										
14C	BROMOXNYL P	2.00 E	.130 LB/AC	LP										
15A	ALACHLOR	4.00 E	1.500 LB/AC	PRF	100	98	0	100	92	100	0	100	92	100
15B	DONCO 356	4.00 E	.500 LB/AC	5LF										
15C	ATRAZINE	4.00 L	1.500 LB/AC	5LF										
15D	OIL CON. (AIPUS)	.00 AD	1.000 QT/AC	5LF										
16A	ATRAZINE	4.00 L	2.000 LB/AC	18D	5	98	0	5	90	100	0	0	90	100
16B	OIL CON. (AIPUS)	.00 AD	1.000 QT/AC	18D										
17A	ATRAZINE	4.00 L	2.000 LB/AC	5LF	55	100	0	55	100	100	0	45	100	100
17B	OIL CON. (AIPUS)	.00 AD	1.000 QT/AC	5LF										
17C	ATRAZINE	4.00 L	2.000 LB/AC	+7D										
17D	OIL CON. (AIPUS)	.00 AD	1.000 QT/AC	+7D										
18A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	92	72	5	82	60	75	5	75	52	75
18B	SETHOXYDIM	1.53 EC	.100 LB/AC	06										
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	06										
19A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	90	95	35	90	90	100	48	90	85	100
19B	SETHOXYDIM	1.53 EC	.100 LB/AC	012										
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	012										
20A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	98	82	35	88	52	100	50	90	55	100
20B	SETHOXYDIM	1.53 EC	.200 LB/AC	06										
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	06										
21A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	92	90	50	92	85	100	78	92	72	100
21B	SETHOXYDIM	1.53 EC	.200 LB/AC	012										
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	012										
22A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	82	100	2	82	100	100	2	80	100	100
22B	SETHOXYDIM	1.53 EC	.100 LB/AC	06										
22C	2,4-D AMINE	4.00 E	.250 LB/AC	06										
22D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	06										
23A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	85	100	28	85	99	100	30	85	98	100
23B	SETHOXYDIM	1.53 EC	.100 LB/AC	012										
23C	2,4-D AMINE	4.00 E	.250 LB/AC	012										
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	012										

Table 5: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						EVALUATED 8 WK. AFTER			
					GRAS	BRLE	CRIN	GLEI	VELE	COLQ	CRIN	GLEI	VELE	COLQ
24A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	90	98	5	90	92	100	5	82	100	100
24B	SETHOXYDIM	1.53 EC	.200 LB/AC	06										
24C	2,4-D AMINE	4.00 E	.250 LB/AC	06										
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	06										
25A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	92	98	35	82	92	100	58	80	92	100
25B	SETHOXYDIM	1.53 EC	.200 LB/AC	012										
25C	2,4-D AMINE	4.00 E	.250 LB/AC	012										
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	012										
26A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	55	100	0	65	100	100	0	52	100	100
26B	DOWCO 356	4.00 E	.500 LB/AC	SLF										
26C	ATRAZINE	4.00 L	1.500 LB/AC	SLF										
26D	OIL CON. (AIFLUS)	.00 AD	1.000 QT/AC	SLF										
27A	DOWCO 356	4.00 E	.500 LB/AC	SPK	100	98	0	100	90	100	0	95	90	100
27B	CYANAZINE	80.00 WP	1.600 LB/AC	SPK										
28A	DOWCO 356	4.00 E	.500 LB/AC	180	5	100	2	5	98	100	5	0	98	100
28B	CYANAZINE	80.00 WP	1.600 LB/AC	180										
29A	DOWCO 356	4.00 F	.380 LB/AC	SLF	25	100	0	25	100	100	0	32	98	100
29B	CYANAZINE	80.00 WP	1.600 LB/AC	SLF										
29C	DOWCO 356	4.00 E	.380 LB/AC	+70										
29D	CYANAZINE	80.00 WP	1.600 LB/AC	+70										
30A	DOWCO 356	4.00 E	.500 LB/AC	SLF	52	100	0	52	100	100	0	20	100	100
30B	CYANAZINE	80.00 WP	1.600 LB/AC	SLF										
30C	DOWCO 356	4.00 E	.500 LB/AC	+70										
30D	CYANAZINE	80.00 WP	1.600 LB/AC	+70										
31A	DOWCO 356	4.00 E	.380 LB/AC	180	25	95	0	25	90	100	0	12	90	100
31B	ATRAZINE	4.00 L	2.000 LB/AC	180										
31C	OIL CON. (AIFLUS)	.00 AD	1.000 QT/AC	180										
32A	DOWCO 356	4.00 E	.500 LB/AC	SPK	22	100	2	22	100	100	2	32	100	100
32B	ATRAZINE	4.00 L	1.500 LB/AC	SPK										
32C	OIL CON. (AIFLUS)	.00 AD	1.000 QT/AC	SPK										
33A	DOWCO 356	4.00 E	.500 LB/AC	180	30	98	0	30	95	100	0	12	92	100
33B	ATRAZINE	4.00 L	1.500 LB/AC	180										
33C	OIL CON. (AIFLUS)	.00 AD	1.000 QT/AC	180										
34A	DOWCO 356	4.00 E	.500 LB/AC	SLF	25	95	0	25	90	100	0	8	90	100
34B	ATRAZINE	4.00 L	1.500 LB/AC	SLF										
34C	OIL CON. (AIFLUS)	.00 AD	1.000 QT/AC	SLF										



Table 5: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---EVALUATED 4 WK. AFTER APPLIED---						EVALUATED 8 WK. AFTER				
					GRAS	SRLE	GRIN	GIEI	VELE	COLP	GRIN	GIEI	VELE	COLP	
35A	DONCO 35b	4.00 E	.750	LR/AC	SLF	54	100	0	58	100	100	0	32	100	100
35B	ATRAZINE	4.00 L	2.000	LR/AC	SLF										
35C	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	SLF										
36A	DONCO 35b	4.00 E	.500	LR/AC	SLF	55	100	0	65	100	100	0	42	100	100
36B	ATRAZINE	4.00 L	1.500	LR/AC	SLF										
36C	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	SLF										
36D	ATRAZINE	4.00 L	1.500	LR/AC	+7D										
36E	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	+7D										
37A	DONCO 35b	4.00 E	.500	LR/AC	SLF	58	100	0	58	100	100	0	48	100	100
37B	ATRAZINE	4.00 L	1.500	LR/AC	SLF										
37C	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	SLF										
37D	DONCO 35b	4.00 E	.250	LR/AC	+7D										
37E	ATRAZINE	4.00 L	1.500	LR/AC	+7D										
37F	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	+7D										
38A	DONCO 35b	4.00 E	.500	LR/AC	SLF	72	100	0	80	100	100	0	48	100	100
38B	ATRAZINE	4.00 L	2.000	LR/AC	SLF										
38C	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	SLF										
38D	DONCO 35b	4.00 E	.250	LR/AC	+7D										
38E	ATRAZINE	4.00 L	1.000	LR/AC	+7D										
38F	OIL CON. (AIFLUS)	.00 AD	1.000	WT/AC	+7D										
39A	DONCO 35b	4.00 E	.500	LR/AC	SPK	100	100	0	100	100	100	0	98	98	100
39B	ATRAZINE	4.00 L	.400	LR/AC	SPK										
39C	CYANAZINE	30.00 WP	.800	LR/AC	SPK										
40A	DONCO 35b	4.00 E	.500	LR/AC	18D	30	100	0	8	100	100	0	2	100	100
40B	ATRAZINE	4.00 L	.800	LR/AC	18D										
40C	CYANAZINE	30.00 WP	.800	LR/AC	18D										
41A	DONCO 35b	4.00 E	.500	LR/AC	18D	30	100	2	30	98	100	0	5	98	100
41B	ATRAZINE	4.00 L	.800	LR/AC	18D										
41C	CYANAZINE	30.00 WP	.800	LR/AC	18D										
41D	OIL CON. (AIFLUS)	.00 AD	.500	WT/AC	18D										
42	CHECK (CULTIVATED)	.00 CK	.000			100	100	0	100	100	100	0	100	100	100
			LSD(05):			19	11	5	16	17	NS	8	22	19	NS

## Table 5: continued

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
FERTILIZATION (Lb/AC): 250 N, 60 P, 60 K P4: 6.5 O.M.: 3.8%  
DATE PLANTED: MAY 11 DATE TREATED: PRE MAY 11  
VARIETY: PIONEER 3369A SPK MAY 21  
EP MAY 24  
18D, 5LF MAY 31  
MP JUNE 4  
+7D JUNE 7  
LP JUNE 12  
D6, D12 JUNE 15

TREATMENTS 18-25 ARE 10 GPA  
TREATMENTS 18,20,22,24 D6 = 24" CORN, DIRECTED SPRAY TO LOWER 6" OF CORN  
TREATMENTS 19,21,23,25 D12 = 24" CORN, DIRECTED SPRAY TO LOWER 12" OF CORN  
TREATMENTS 26,29,30,36,37,38 DROP APPLICATORS  
18D = 18 DAYS AFTER PLANTING

Table 6: Corn Postemergence II

TREAT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						---EVALUATED 8 WK. ---			
					GRAS	SMLE	CRIN	GIEI	VELE	CULQ	GRAS	GIEI	VELE	CULQ
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	95	85	0	95	75	95	0	90	75	95
1B	DICAMBA	4.00 S	.250 LB/AC	MP										
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	92	0	100	88	100	0	95	85	100
2B	DICAMBA	4.00 S	.500 LB/AC	EP										
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	75	0	100	62	100	0	98	50	100
3B	R-40244	2.00 L	.150 LB/AC	2LF										
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	88	2	100	80	100	0	95	65	100
4B	R-40244	2.00 L	.380 LB/AC	2LF										
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	98	0	98	78	100	0	92	68	100
5B	2 4 D + MCPP + DICAM	4.00 E	.400 LB/AC	EP										
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	98	100	0	93	95	100
6B	2 4 D + MCPP + DICAM	4.00 E	.400 LB/AC	EP										
6C	ATRAZINE	4.00 L	1.500 LB/AC	EP										
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	92	92	0	92	85	100	0	80	70	100
7B	BRJMOXYMIL	4.00 E	.350 LB/AC	MP										
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	95	0	100	88	100	0	98	82	100
8B	CV 6471	4.00 S	.500 LB/AC	EP										
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	85	2	100	78	98	0	92	72	98
9B	CV 6471	4.00 S	.250 LB/AC	MP										
10A	ALACHLOR	4.00 MF	2.000 LB/AC	PRE	98	88	0	98	80	100	0	90	70	100
10B	ATRAZINE	4.00 L	1.000 LB/AC	5LF										
10C	PYRIDATE	45.00 WP	.900 LB/AC	5LF										
11A	ALACHLOR	4.00 MF	2.000 LB/AC	PRE	95	75	0	95	65	100	0	95	45	100
11B	CYANAZINE	80.00 WP	.600 LB/AC	5LF										
11C	PYRIDATE	45.00 WP	.900 LB/AC	5LF										
12A	R-40244	2.00 L	.250 LB/AC	SPK	95	92	0	95	82	100	0	88	72	100
12B	ATRAZINE	4.00 L	.750 LB/AC	SPK										
13A	R-40244	2.00 L	.250 LB/AC	3LF	85	88	0	85	85	94	0	68	70	100
13B	ATRAZINE	4.00 L	.750 LB/AC	3LF										
14A	R-40244	2.00 L	.250 LB/AC	SPK	100	85	5	100	75	98	0	95	62	98
14B	CYANAZINE	80.00 WP	2.000 LB/AC	SPK										

Table 6: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						----EVALUATED 8 WK. ---			
					GRAS	BRLE	CRIN	GRFI	VELE	COLU	CRIN	GRFI	VELE	COLU
15A	R-40244	2.00 L	.250 LB/AC	3LF	90	85	0	90	78	100	0	88	65	100
15B	CYANAZINE	80.00 WP	2.000 LB/AC	3LF										
16A	CYANAZINE	80.00 WP	.600 LB/AC	SLF	22	78	0	22	65	100	0	5	60	100
16B	PYRIDATE	45.00 WP	.900 LB/AC	SLF										
17A	ATRAZINE	4.00 L	1.000 LB/AC	SLF	48	90	0	48	80	100	0	5	78	100
17B	PYRIDATE	45.00 WP	.900 LB/AC	SLF										
18A	DS 57614	70.00 WP	.800 LB/AC	MP	10	100	10	10	100	100	5	0	100	100
18B	AG 3008	.01 WA	.010 %	MP										
19	DS 57614	70.00 WP	.800 LB/AC	MP	8	100	2	8	100	100	0	22	100	100
LS0(05):					15	10	4	16	13	NS	2	19	15	3

LOCATION: SPINOLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 11  
 VARIETY: PIONEER 3359A  
 SOIL TYPE: MAURY SILT LOAM  
 PH: 7.0 U.M.: 5.1%  
 DATE TREATED: PDE MAY 11  
 SPK MAY 21  
 2LF MAY 23  
 3LF MAY 24  
 EP MAY 24  
 5LF MAY 31  
 MP JUNE 4

Table 7: Corn No-Tillage in Stalkland

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---EVALUATED 4 WK. AFTER APPLIED ---					---EVALUATED 8 WK. ---				
					GRAS	3BLE	CRIM	GLEI	LACC	RRPA	CRIM	GLEI	LACC	RRPA
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	92	0	90	98	98	0	88	92	95
1B	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
1C	GLYPHOSATE	4.00 E	1.500 LB/AC	SDP										
2A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	92	95	0	92	100	98	0	90	98	100
2B	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
2C	GLYPHOSATE	4.00 E	1.500 LB/AC	SDP										
3A	ALACHLOR	4.00 E	4.000 LB/AC	PRE	95	95	0	95	100	98	0	88	95	100
3B	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
3C	GLYPHOSATE	4.00 E	1.500 LB/AC	SDP										
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	95	0	90	98	100	0	75	85	100
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
4C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	92	0	90	98	95	0	78	85	92
5B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
5C	PARAQUAT PLUS	2.00 E	.130 LB/AC	PRE										
5D	X-77 (SURFACTANT)	.50 WA	.060 %	PRE										
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	95	0	90	98	95	0	85	85	95
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
6C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
6D	X-77 (SURFACTANT)	.50 WA	.060 %	PRE										
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	92	94	0	92	95	98	0	70	72	98
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
7C	BROMOXYNIL ?	2.00 E	.250 LB/AC	PRE										
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	99	98	0	98	100	100	0	82	88	98
8B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
8C	BROMOXYNIL ?	2.00 E	.350 LB/AC	PRE										
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	95	0	90	98	98	0	78	80	98
9B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
9C	BROMOXYNIL ?	2.00 E	.250 LB/AC	PRE										
9D	PARAQUAT PLUS	2.00 E	.130 LB/AC	PRE										
9E	X-77 (SURFACTANT)	.50 WA	.060 %	PRE										
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	92	92	0	92	100	95	0	75	88	95
10B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
10C	BROMOXYNIL ?	2.00 E	.350 LB/AC	PRE										
10D	PARAQUAT PLUS	2.00 E	.130 LB/AC	PRE										
10E	X-77 (SURFACTANT)	.50 WA	.060 %	PRE										

**Table 15: Soybean Postemergence—Second Evaluation**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----							
					CRIN	GRIN	VELE	COLQ	JIWE	BLNS	PEBK	ILMG
1	AC 214	1.50 AS	.130 LB/AC	EP	0	58	0	5	25	99	0	0
2	AC 214	1.50 AS	.190 LB/AC	EP	0	78	8	18	38	92	48	0
3	AC 214	1.50 AS	.250 LB/AC	EP	0	90	70	15	100	100	88	0
4A	DPX F6025	75.00 DF	.008 LB/AC	MP	0	9	75	0	75	70	50	38
4B	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
5A	DPX F6025	75.00 DF	.008 LB/AC	MP	0	95	85	0	98	50	72	65
5B	Y 520P	.80 L	.050 LB/AC	MP								
5C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
6A	DPX F6025	75.00 DF	.008 LB/AC	MP	0	100	85	0	94	54	95	58
6B	SETHOXYPIM	1.53 EC	.200 LB/AC	MP								
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
7A	DPX F6025	75.00 DF	.008 LB/AC	MP	2	78	100	5	100	58	85	50
7B	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	MP								
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
8A	DPX F6025	75.00 DF	.008 LB/AC	MP	0	12	100	0	100	72	95	60
8B	HDE 33171	.75 EC	.010 LB/AC	MP								
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
9A	DPX F6025	75.00 DF	.008 LB/AC	MP	0	58	75	0	75	40	25	25
9B	DNACD 453	2.00 E	.050 LB/AC	MP								
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
10A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	100	85	100	55	100	25
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
11A	BENTAZON	4.00 E	.750 LB/AC	MP	2	0	98	90	100	73	100	82
11B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
12A	BENTAZON	4.00 E	.750 LB/AC	MP	0	20	80	62	98	72	88	40
12B	PP 021	2.00 LC	.190 LB/AC	MP								
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
13A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	100	85	100	72	100	50
13B	PP 021	2.00 LC	.250 LB/AC	MP								
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
14A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	100	90	100	100	100	40
14B	PPB-344	2.00 E	.100 LB/AC	MP								
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK. AFTER APPLIED-----							
					CRIN	GIEI	VELE	COLW	JIWE	SNNS	PEBW	ILMG
15A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	88	78	100	70	75	39
15B	DPX F6025	75.00 DF	.010 LB/AC	MP								
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
16A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	95	78	100	74	85	0
16B	AC 214	1.50 AS	.050 LB/AC	MP								
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
17A	BENTAZON	4.00 E	.750 LB/AC	MP	0	35	90	88	100	53	95	0
17B	AC 214	1.50 AS	.100 LB/AC	MP								
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
18A	BENTAZON	4.00 E	.750 LB/AC	MP	2	0	95	88	100	42	98	22
18B	PP3 1013	.25 EC	.010 LB/AC	MP								
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
19A	BENTAZON	4.00 E	.750 LB/AC	MP	2	0	100	88	100	55	95	70
19B	PP3 1013	.25 EC	.020 LB/AC	MP								
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
20A	BENTAZON	4.00 E	.750 LB/AC	MP	0	80	50	80	50	0	98	8
20B	DNACD 453	2.00 E	.060 LB/AC	MP								
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
21A	BENTAZON	4.00 E	.750 LB/AC	MP	0	92	85	78	100	0	100	0
21B	DNACD 453	2.00 E	.130 LB/AC	MP								
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
22A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	100	85	95	64	100	12
22B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
22C	DNACD 453	2.00 E	.060 LB/AC	MP								
22D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
23A	BENTAZON	4.00 E	.750 LB/AC	MP	0	90	68	72	100	72	98	0
23B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
23C	DNACD 453	2.00 E	.130 LB/AC	MP								
23D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
24A	BENTAZON	4.00 E	.750 LB/AC	3"R	0	95	92	80	100	54	78	20
24B	ACIFLUORFEN	2.00 L	.500 LB/AC	3"R								
24C	OIL CONCENTRATE	.00 AD	.500 QT/AC	3"R								
24D	SETHOXYDIM	1.53 EC	.200 LB/AC	5"R								
24E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5"R								
25A	BENTAZON	4.00 E	.750 LB/AC	3"R	0	90	98	65	100	63	98	12
25B	ACIFLUORFEN	2.00 L	.500 LB/AC	3"R								
25C	OIL CONCENTRATE	.00 AD	.500 QT/AC	3"R								
25D	SETHOXYDIM	1.53 EC	.300 LB/AC	5"R								
25E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5"R								

Table 15: continued

TRT NO.	HERBICIDE	FORMULA	RATE	APPL MCH	-----EVALUATED 8 WK. AFTER APPLIED-----							
					GRN	BIEL	VELE	COLY	JINE	3-NS	2-24	LCM6
26A	BENTAZON	4.00 E	1.000 LB/AC	LMP	2	85	90	78	100	0	98	0
26B	SETHOXYDIM	1.53 EC	.200 LB/AC	LMP								
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LMP								
27A	BENTAZON	4.00 E	1.000 LB/AC	LMP	0	92	100	85	100	0	100	0
27B	SETHOXYDIM	1.53 EC	.300 LB/AC	LMP								
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LMP								
28A	BENTAZON	4.00 E	1.000 LB/AC	EP	0	90	92	90	38	40	98	32
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
28C	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP								
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
29A	BENTAZON	4.00 E	1.000 LB/AC	LP	8	82	88	62	100	20	88	8
29B	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP								
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
30A	SETHOXYDIM	1.53 EC	.200 LB/AC	SEU	0	92	65	38	92	15	100	0
30B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEU								
30C	BENTAZON	4.00 E	.750 LB/AC	SEU								
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEU								
31A	SETHOXYDIM	1.53 EC	.200 LB/AC	SEU	0	98	75	55	99	75	95	25
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEU								
31C	BENTAZON	4.00 E	.750 LB/AC	SEU								
31D	ACIFLUORFEN	2.00 L	.250 LB/AC	SEU								
31E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEU								
32A	SETHOXYDIM	1.53 EC	.200 LB/AC	LMP	0	100	0	0	0	92	0	0
32B	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
32C	ACIFLUORFEN	2.00 L	.500 LB/AC	+10								
32D	TRITON AG 95 SURFACT	.00 WA	.130 %	+10								
33A	SETHOXYDIM	1.53 EC	.200 LB/AC	EP	0	95	25	12	100	45	0	12
33B	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
33C	ACIFLUORFEN	2.00 L	.500 LB/AC	SEU								
33D	TRITON AG 95 SURFACT	.00 WA	.130 %	SEU								
34A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	90	88	85	100	0	75	0
34B	BENTAZON	4.00 E	.750 LB/AC	MP								
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
35A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	90	85	70	88	72	95	0
35B	BENTAZON	4.00 E	.750 LB/AC	MP								
35C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
35D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								



Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK. AFTER APPLIED-----							
					GRN	STG	VEG	COL	LINE	BLNS	PSW	ILMG
36A	ACIFLUORFEN	2.00 L	.500 LB/AC	MP	0	80	35	5	88	100	20	0
36B	ORACD 453	2.00 E	.060 LB/AC	MP								
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
37A	ACIFLUORFEN	2.00 L	.500 LB/AC	MP	2	92	60	20	100	100	42	9
37B	ORACD 453	2.00 E	.130 LB/AC	MP								
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
38A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	0	100	72	8	100	75	25	38
38B	SETHOXYDIM	1.53 EC	.200 LB/AC	LMP								
38C	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
39A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	8	100	90	20	95	98	55	55
39B	SETHOXYDIM	1.53 EC	.200 LB/AC	LMP								
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LMP								
40A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	2	98	25	0	100	100	25	20
40B	SETHOXYDIM	1.53 EC	.300 LB/AC	LMP								
40C	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
41A	ACIFLUORFEN	2.00 L	.300 LB/AC	LMP	5	94	82	8	100	98	60	25
41B	SETHOXYDIM	1.53 EC	.300 LB/AC	LMP								
41C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LMP								
42A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	0	98	80	68	100	70	95	32
42B	BENTAZON	4.00 E	.500 LB/AC	LMP								
42C	SETHOXYDIM	1.53 EC	.200 LB/AC	LMP								
42D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
43A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	8	95	68	42	100	42	90	15
43B	BENTAZON	4.00 E	.500 LB/AC	LMP								
43C	SETHOXYDIM	1.53 EC	.200 LB/AC	LMP								
43D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LMP								
44A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	5	100	88	62	100	80	90	48
44B	BENTAZON	4.00 E	.500 LB/AC	LMP								
44C	SETHOXYDIM	1.53 EC	.300 LB/AC	LMP								
44D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
45A	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP	0	98	75	58	98	98	98	52
45B	BENTAZON	4.00 E	.500 LB/AC	LMP								
45C	SETHOXYDIM	1.53 EC	.300 LB/AC	LMP								
45D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LMP								
46A	ACIFLUORFEN	2.00 L	.750 LB/AC	LMP	2	30	28	15	100	84	95	48
46B	TRITON AG 95 SURFACT	.00 WA	.250 %	LMP								

Table 15: continued

TRT No.	HERBICIDE TREATMENT	ELEMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRN	GRN	VELE	GRN	WWE	GRN	PSW	ILMG
47A	HDE 33171	.75 EC	.150 LB/AC	MP	0	90	95	75	100	55	92	22
47B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
47C	BENTAZON	4.00 E	1.000 LB/AC	MP								
47D	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP								
48A	HDE 33171	.75 EC	.200 LB/AC	MP	2	92	100	92	75	53	98	0
48B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
48C	BENTAZON	4.00 E	1.000 LB/AC	MP								
48D	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP								
49A	HDE 33171	.75 EC	.200 LB/AC	MP	2	95	75	60	92	54	60	12
49B	ACIFLUORFEN	2.00 L	.340 LB/AC	MP								
49C	BENTAZON	4.00 E	.750 LB/AC	MP								
49D	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP								
50A	HDE 33171	.75 EC	.200 LB/AC	MP	0	90	60	75	100	92	92	25
50B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
50C	BENTAZON	4.00 E	.500 LB/AC	MP								
50D	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP								
51A	CHLORAMBEN	75.00 DS	2.700 LB/AC	CRK	2	90	98	95	75	100	100	0
51B	NANPAZON	3.00 E	4.500 LB/AC	CRK								
52A	CHLORAMBEN	75.00 DS	2.700 LB/AC	PTR	3	52	95	32	100	100	35	65
52B	NANPAZON	3.00 E	1.500 LB/AC	PTR								
53A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LMP	0	78	0	15	100	100	50	35
53B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP								
53C	TRITON AG 99 SURFACT	.00 WA	.250 %	LMP								
54A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LMP	0	90	50	2	100	100	40	42
54B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP								
54C	OIL CONCENTRATE	.00 AD	.500 WT/AC	LMP								
55A	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP	0	94	42	12	100	94	0	12
55B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP								
55C	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP								
56A	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP	0	62	72	32	84	75	0	0
56B	FLUAZIFOP BUTYL	4.00 E	.200 LB/AC	MP								
56C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
57A	BENAZOLIN	4.00 E	.340 LB/AC	LP	10	100	88	62	100	92	12	12
57B	SETHOXYDIM	1.53 EC	.200 LB/AC	LP								
57C	OIL CONCENTRATE	.00 AD	1.000 WT/AC	LP								

Table 15: continued

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 8 WK. AFTER APPLIED-----							
					CR1	CR2	VEE	COL	TIME	PLNS	RESW	ILMG
58A	DICLOFOP METHYL	3.00 E	1.000 LB/AC	EP	0	40	88	98	12	0	95	0
58B	BENTAZON	4.00 E	1.000 LB/AC	EP								
58C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
59A	PP3-944	2.00 E	.200 LB/AC	EP	5	90	50	55	100	100	0	20
59B	SETHOXYDIM	1.53 EC	.200 LB/AC	EP								
59C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
60A	SC 1084	4.00 E	.130 LB/AC	MP	5	82	0	0	12	12	22	0
60B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
61A	SC 1084	4.00 E	.250 LB/AC	MP	0	98	0	0	0	40	0	0
61B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
62A	SC 1084	4.00 E	.380 LB/AC	MP	0	100	0	0	0	0	0	0
62B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
63A	SC 1084	4.00 E	.500 LB/AC	MP	0	94	25	0	0	25	25	25
63B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
64A	SC 1084	4.00 E	.130 LB/AC	MP	2	15	0	60	100	100	28	0
64B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
64C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
65A	SC 1084	4.00 E	.250 LB/AC	MP	0	68	58	28	98	84	38	45
65B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
65C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
66A	SC 1084	4.00 E	.380 LB/AC	MP	0	88	38	30	100	95	0	12
66B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
66C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
67A	SC 1084	4.00 E	.500 LB/AC	MP	0	90	32	42	100	82	8	32
67B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
67C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
68A	SC 1084	4.00 E	.250 LB/AC	MP	0	58	88	90	98	0	98	0
68B	BENTAZON	4.00 E	1.000 LB/AC	MP								
68C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
69A	SC 1084	4.00 E	.380 LB/AC	MP	0	78	70	98	95	12	100	0
69B	BENTAZON	4.00 E	1.000 LB/AC	MP								
69C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
70A	SC 1084	4.00 E	.500 LB/AC	MP	0	52	88	90	100	20	98	12
70B	BENTAZON	4.00 E	1.000 LB/AC	MP								
70C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

Table 15: continued

TRT	HERBICIDE TREATMENT	EQUVALE	RATE	APPL METH	-----EVALUATED R AK. AFTER APPLIED-----							
					CRLD	GIEI	YELE	COLD	LINE	BLND	PERM	LCMG
71A	PPG 1013	.25 EC	.020 LB/AC	MP	0	98	88	80	100	100	0	25
71B	HDE 33171	.75 EC	.150 LB/AC	MP								
71C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
72A	PPG 1013	.25 EC	.010 LB/AC	EP	0	89	75	70	25	50	0	15
72B	SETHOXYDIM	1.53 EC	.200 LB/AC	EP								
72C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
73A	PPG 1013	.25 EC	.020 LB/AC	EP	8	82	84	90	35	85	8	0
73B	SETHOXYDIM	1.53 EC	.200 LB/AC	EP								
73C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
74A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	90	100	100	20	0	100	0
74B	DDAOD 453	2.00 E	.030 LB/AC	MP								
74C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
75A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	90	100	100	0	12	100	0
75B	DDAOD 453	2.00 E	.060 LB/AC	MP								
75C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
76A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	100	100	100	0	0	100	0
76B	DDAOD 453	2.00 E	.040 LB/AC	MP								
76C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
77A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	2	98	100	98	28	25	100	8
77B	DDAOD 453	2.00 E	.130 LB/AC	MP								
77C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
78A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	98	82	100	42	0	100	12
78B	HDE 33171	.75 EC	.150 LB/AC	MP								
78C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
79A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	100	100	100	8	0	100	0
79B	CLUPROXYDIM	4.00 E	.150 LB/AC	MP								
79C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
80A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	95	88	100	0	0	100	0
80B	CLUPROXYDIM	4.00 E	.200 LB/AC	MP								
80C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
81A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	100	100	100	38	0	100	20
81B	CLUPROXYDIM	4.00 E	.300 LB/AC	MP								
81C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
82A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	100	100	100	25	0	100	0
82B	CLUPROXYDIM	4.00 E	.500 LB/AC	MP								
82C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
82D	CLUPROXYDIM	4.00 E	.200 LB/AC	SEF								
82E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEF								

Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 9 WK. AFTER APPLIED-----							
					CRK	3"3	VELE	COLG	11W	3LW	RESA	IMG
93A	LINURON	4.00 L	1.000 LB/AC	PRE	0	98	100	100	0	52	100	0
93B	HDE 33171	.75 EP	.150 LB/AC	MP								
93C	OIL CONCENTRATE	.90 AD	.500 WT/AC	MP								
84	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100	100
			LSD(05):		5	17	54	19	27	37	29	36

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAJBY SILT LOAM

FERTILIZATION (LB/AC): 50 N, 60 P, 60 K

pH: 5.5 O.M.: 3.4%

DATE PLANTED: MAY 15

DATE TREATED:

PRE MAY 16

VARIETY: WILLIAMS

CRK MAY 21

EP JUNE 1

MP, 3"3, SED JUNE 5

5"3, SED, LMP JUNE 7

+D JUNE 9

LP, 2TR JUNE 12

CRK = CRACKING STAGE

LMP = LATE MID POST

3"3 = 3 INCH BROADLEAVES

5"3 = 5 INCH GRASS

**Table 16: Soybean Postemergence II—First Evaluation**

TRT TREATMENT	HERBICIDE	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRAS	WBLE	CRIN	GRFI	VELE	COLL	PSW	IAMB
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	90	0	80	97	100	100	17
1B	BENTAZON	4.00 E	1.000 LB/AC	MP								
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	43	20	0	83	77	0	87	33
2B	DPX F6025	75.00 DF	.008 LB/AC	1TR								
2C	X-77 (SURFACTANT)	.50 WA	.250 %	1TR								
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	77	27	0	77	77	20	100	0
3B	DPX F6025	75.00 DF	.012 LB/AC	1TR								
3C	X-77 (SURFACTANT)	.50 WA	.250 %	1TR								
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	23	0	80	93	10	100	77
4B	DPX F6025	75.00 DF	.016 LB/AC	1TR								
4C	X-77 (SURFACTANT)	.50 WA	.250 %	1TR								
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	13	0	87	10	27	100	33
5B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
5C	ACIFLUORFEN	2.00 L	.250 LB/AC	1TR								
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR								
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	20	0	90	20	40	87	43
6B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
6C	ACIFLUORFEN	2.00 L	.500 LB/AC	1TR								
6D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR								
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	20	0	87	57	10	100	17
7B	DPX F6025	75.00 DF	.008 LB/AC	1TR								
7C	ACIFLUORFEN	2.00 L	.250 LB/AC	1TR								
7D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR								
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	23	0	87	0	47	100	17
8B	DPX F6025	75.00 DF	.008 LB/AC	1TR								
8C	ACIFLUORFEN	2.00 L	.500 LB/AC	1TR								
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR								
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	57	0	83	77	60	100	0
9B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
9C	BENTAZON	4.00 E	.500 LB/AC	1TR								
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR								
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	37	0	80	63	23	100	33
10B	DPX F6025	75.00 DF	.008 LB/AC	1TR								
10C	BENTAZON	4.00 E	.500 LB/AC	1TR								
10D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR								

Table 16: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRAS	SRLE	CRW	GIEI	VELE	COLR	PSW	IMG
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	10	0	87	27	17	50	60
11B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
11C	2,4-DH	2.00 E	.030 LB/AC	1TR								
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	77	13	3	77	27	10	83	43
12B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
12C	2,4-DH	2.00 E	.030 LB/AC	1TR								
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	17	0	80	53	17	83	33
13B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
13C	PPG 1013	.25 EC	.040 LB/AC	1TR								
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	83	27	0	83	77	17	100	43
14B	DPX F6025	75.00 DF	.004 LB/AC	1TR								
14C	PPG 1013	.25 EC	.040 LB/AC	1TR								
15A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	40	13	87	27	73	100	20
15B	NAVPA/DN	3.00 E	1.500 LB/AC	EP								
16A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	13	0	90	0	53	97	33
16B	NAVPA/DN	3.00 E	2.250 LB/AC	MP								
17A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	30	3	87	17	70	100	47
17B	NAVPA/DN	3.00 E	3.000 LB/AC	LP								
18A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	27	0	90	0	33	100	33
18B	NAVPA/DN	3.00 E	1.500 LB/AC	MP								
18C	2,4-DH	2.00 E	.030 LB/AC	MP								
19A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	83	30	3	83	10	60	100	87
19B	NAVPA/DN	3.00 E	2.250 LB/AC	LP								
19C	2,4-DH	2.00 E	.030 LB/AC	LP								
20A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	47	7	93	0	83	100	47
20B	NAVPA/DN	3.00 E	3.000 LB/AC	LP								
20C	2,4-DH	2.00 E	.030 LB/AC	LP								
21A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	40	10	87	0	57	100	60
21B	NAVPA/DN	3.00 E	1.500 LB/AC	LP								
21C	2,4-DH	2.00 E	.030 LB/AC	LP								
21D	NAVPA/DN	3.00 E	1.500 LB/AC	100								
21E	2,4-DH	2.00 E	.030 LB/AC	100								
22A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	47	0	90	40	90	87	27
22B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
22C	OIL CONCENTRATE	.40 AD	.500 QT/AC	MP								

Table 16: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRAB	HRLE	CRW	GFEI	VELE	COLD	PESW	IAMB
23A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	80	0	90	50	93	100	23
23B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
23C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
24A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	67	0	80	77	63	100	0
24B	ACIFLUORFEN	2.00 L	.250 LB/AC	LMP								
24C	BENTAZON	4.00 E	.500 LB/AC	LMP								
24D	TRITON AG 98 SURFACT	.00 WA	.130 %	LMP								
25A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	47	0	87	30	93	100	27
25B	ACIFLUORFEN	2.00 L	.380 LB/AC	LMP								
25C	BENTAZON	4.00 E	.500 LB/AC	LMP								
25D	TRITON AG 98 SURFACT	.00 WA	.130 %	LMP								
26A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	67	0	90	73	83	67	0
26B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP								
26C	BENTAZON	4.00 E	.500 LB/AC	LMP								
26D	TRITON AG 98 SURFACT	.00 WA	.130 %	LMP								
27A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	90	0	90	97	100	100	17
27B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
27C	BENTAZON	4.00 E	.750 LB/AC	MP								
27D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
28A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	53	53	0	63	90	70	100	0
28B	ACIFLUORFEN	2.00 L	.250 LB/AC	LMP								
28C	BENTAZON	4.00 E	.500 LB/AC	LMP								
28D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
29A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	77	0	87	80	90	100	37
29B	ACIFLUORFEN	2.00 L	.380 LB/AC	LMP								
29C	BENTAZON	4.00 E	.500 LB/AC	LMP								
29D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
30A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	73	0	87	70	93	100	0
30B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP								
30C	BENTAZON	4.00 E	.500 LB/AC	LMP								
30D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP								
31A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	23	0	90	10	57	100	33
31B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP								
32A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	43	0	90	27	60	97	33
32B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	MP								



Table 16: continued

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRAS	SRLE	CRIN	GIFI	VELE	COLQ	PCSW	IAMB
33A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	80	0	87	67	90	100	0
33B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP								
33C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
34A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	77	3	93	47	90	100	0
34B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	MP								
34C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
35A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	17	0	87	10	47	77	33
35B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP								
35C	2,4-DB	2.00 E	.030 LB/AC	MP								
36A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	90	0	80	87	93	100	0
36B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP								
36C	BENTAZON	4.00 E	.500 LB/AC	MP								
37A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	83	87	0	83	93	93	100	0
37B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP								
37C	BENTAZON	4.00 E	.500 LB/AC	MP								
38A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	80	13	90	93	90	63	33
38B	RE-39071	1.66 E	.130 LB/AC	MP								
38C	XE 1034	1.00 WA	1.000 %	MP								
39A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	77	13	90	80	90	80	0
39B	RE-39071	1.66 E	.250 LB/AC	MP								
39C	XE 1034	1.00 WA	1.000 %	MP								
40A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	67	17	90	77	90	63	0
40B	RE-39071	1.66 E	.380 LB/AC	MP								
40C	XE 1034	1.00 WA	1.000 %	MP								
LSD(.05):					9	25	7	9	33	33	45	NS

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

SOIL TYPE: MAURY SILT LOAM  
 pH: 5.7 O.M.: 3.3%  
 DATE TREATED:  
 PRE MAY 16  
 EP JUNE 1  
 4P JUNE 5  
 1TR JUNE 8  
 LMP JUNE 8  
 LP JUNE 12  
 +10J JUNE 22

Table 17: Soybean Postemergence II—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---EVALUATED 8 WK. AFTER APPLIED---					
					CRIN	GRN	VELE	COLD	RESN	ILMG
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	70	97	100	100	17
1B	BENTAZON	4.00 E	1.000 LB/AC	WP						
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	WP						
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	83	77	0	67	33
2B	DPX F6025	75.00 DF	.008 LB/AC	1TR						
2C	X-77 (SURFACTANT)	.50 WA	.250 %	1TR						
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	77	77	20	100	0
3B	DPX F6025	75.00 DF	.012 LB/AC	1TR						
3C	X-77 (SURFACTANT)	.50 WA	.250 %	1TR						
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80	93	0	100	77
4B	DPX F6025	75.00 DF	.016 LB/AC	1TR						
4C	X-77 (SURFACTANT)	.50 WA	.250 %	1TR						
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	10	27	100	33
5B	DPX F6025	75.00 DF	.004 LB/AC	1TR						
5C	ACIFLUORFEN	2.00 L	.250 LB/AC	1TR						
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR						
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	20	40	67	43
6B	DPX F6025	75.00 DF	.004 LB/AC	1TR						
6C	ACIFLUORFEN	2.00 L	.500 LB/AC	1TR						
6D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR						
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	57	10	100	17
7B	DPX F6025	75.00 DF	.008 LB/AC	1TR						
7C	ACIFLUORFEN	2.00 L	.250 LB/AC	1TR						
7D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR						
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	0	47	100	17
8B	DPX F6025	75.00 DF	.008 LB/AC	1TR						
8C	ACIFLUORFEN	2.00 L	.500 LB/AC	1TR						
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR						
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	83	77	60	100	0
9B	DPX F6025	75.00 DF	.004 LB/AC	1TR						
9C	BENTAZON	4.00 E	.500 LB/AC	1TR						
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR						
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80	63	23	100	27
10B	DPX F6025	75.00 DF	.008 LB/AC	1TR						
10C	BENTAZON	4.00 E	.500 LB/AC	1TR						
10D	OIL CONCENTRATE	.00 AD	.500 QT/AC	1TR						

Table 17: continued

TRT	HERBICIDE NO. TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK. AFTER APPLIED---					
					CRIN	RIE1	VELE	COLQ	PESW	LLM2
11A	ALACHLOR	4.00 E	2.500 LB/AC PRE		0	87	27	17	50	60
11B	DPK F6025	75.00 DF	.004 LB/AC ITR							
11C	2,4-DB	2.00 E	.030 LB/AC ITR							
12A	ALACHLOR	4.00 E	2.500 LB/AC PRE		3	77	27	10	83	43
12B	DPK F6025	75.00 DF	.008 LB/AC ITR							
12C	2,4-DB	2.00 E	.030 LB/AC ITR							
13A	ALACHLOR	4.00 E	2.500 LB/AC PRE		0	80	53	17	83	33
13B	DPK F6025	75.00 DF	.004 LB/AC ITR							
13C	PPG 1013	.25 EC	.040 LB/AC ITR							
14A	ALACHLOR	4.00 E	2.500 LB/AC PRE		0	83	77	17	100	43
14B	DPK F6025	75.00 DF	.008 LB/AC ITR							
14C	PPG 1013	.25 EC	.040 LB/AC ITR							
15A	ALACHLOR	4.00 E	2.500 LB/AC PRE		13	87	27	73	100	30
15B	NAVPA/DN	3.00 E	1.500 LB/AC EP							
16A	ALACHLOR	4.00 E	2.500 LB/AC PRE		0	90	0	53	97	33
16B	NAVPA/DN	3.00 E	2.250 LB/AC MP							
17A	ALACHLOR	4.00 E	2.500 LB/AC PRE		3	87	17	60	100	47
17B	NAVPA/DN	3.00 E	3.000 LB/AC LP							
18A	ALACHLOR	4.00 E	2.500 LB/AC PRE		0	90	0	27	100	33
18B	NAVPA/DN	3.00 E	1.500 LB/AC MP							
18C	2,4-DB	2.00 E	.030 LB/AC MP							
19A	ALACHLOR	4.00 E	2.500 LB/AC PRE		3	87	10	60	100	87
19B	NAVPA/DN	3.00 E	2.250 LB/AC LP							
19C	2,4-DB	2.00 E	.030 LB/AC LP							
20A	ALACHLOR	4.00 E	2.500 LB/AC PRE		7	83	0	83	100	47
20B	NAVPA/DN	3.00 E	3.000 LB/AC LP							
20C	2,4-DB	2.00 E	.030 LB/AC LP							
21A	ALACHLOR	4.00 E	2.500 LB/AC PRE		10	87	0	53	100	60
21B	NAVPA/DN	3.00 E	1.500 LB/AC LP							
21C	2,4-DB	2.00 E	.030 LB/AC LP							
21D	NAVPA/DN	3.00 E	1.500 LB/AC 100							
21E	2,4-DB	2.00 E	.030 LB/AC 100							
22A	ALACHLOR	4.00 E	2.500 LB/AC PRE		0	90	30	90	87	27
22B	ACIFLUORFEN	2.00 L	.500 LB/AC MP							
22C	OIL CONCENTRATE	.00 AD	.500 QT/AC MP							

Table 17: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK. AFTER APPLIED---					
					GRY	GRF	VELE	COLR	PESW	ILMG
23A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	50	93	100	23
23B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
23C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
24A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80	50	63	100	0
24B	ACIFLUORFEN	2.00 L	.250 LB/AC	LMP						
24C	BENTAZON	4.00 E	.500 LB/AC	LMP						
24D	TRITON AG 98 SURFACT	.00 WA	.130 %	LMP						
25A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	30	93	100	27
25B	ACIFLUORFEN	2.00 L	.380 LB/AC	LMP						
25C	BENTAZON	4.00 E	.500 LB/AC	LMP						
25D	TRITON AG 98 SURFACT	.00 WA	.130 %	LMP						
26A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	73	83	67	0
26B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP						
26C	BENTAZON	4.00 E	.500 LB/AC	LMP						
26D	TRITON AG 98 SURFACT	.00 WA	.130 %	LMP						
27A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	97	100	100	17
27B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
27C	BENTAZON	4.00 E	.750 LB/AC	MP						
27D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
28A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	77	90	70	100	0
28B	ACIFLUORFEN	2.00 L	.250 LB/AC	LMP						
28C	BENTAZON	4.00 E	.500 LB/AC	LMP						
28D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP						
29A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	80	90	100	37
29B	ACIFLUORFEN	2.00 L	.380 LB/AC	LMP						
29C	BENTAZON	4.00 E	.500 LB/AC	LMP						
29D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP						
30A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	70	93	100	0
30B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP						
30C	BENTAZON	4.00 E	.500 LB/AC	LMP						
30D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP						
31A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	10	57	100	33
31B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP						
32A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	27	60	97	33
32B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	MP						

Table 17: continued

TRT NO.	HERBICIDE	FORMULA	RATE	APPL METHOD	---EVALUATED 8 WK. AFTER APPLIED---					
					CRIN	GRN	VELE	COLN	PESW	ILAG
33A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	67	90	100	0
33B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP						
33C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
34A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	90	37	90	100	0
34B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	MP						
34C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
35A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	10	47	77	55
35B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP						
35C	2,4-DH	2.00 E	.070 LB/AC	MP						
36A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	70	87	93	100	0
36B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP						
36C	BENTAZON	4.00 E	.500 LB/AC	MP						
37A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	83	93	93	100	0
37B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP						
37C	BENTAZON	4.00 E	.500 LB/AC	MP						
38A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	93	90	63	33
38B	RE-39071	1.66 E	.170 LB/AC	MP						
38C	XE 1034	1.00 WA	1.000 %	MP						
39A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	90	80	90	80	0
39B	RE-39071	1.66 E	.250 LB/AC	MP						
39C	XE 1034	1.00 WA	1.000 %	MP						
40A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	90	77	90	63	0
40B	RE-39071	1.66 E	.380 LB/AC	MP						
40C	XE 1034	1.00 WA	1.000 %	MP						

LSD(05): 5 10 36 32 NS VS

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

SOIL TYPE: MAURY SILT LOAM  
 PH: 5.7 O.M.: 3.3%  
 DATE TREATED: PRE MAY 16  
 EP JUNE 1  
 MP JUNE 5  
 ITR JUNE 9  
 LMP JUNE 9  
 LP JUNE 12  
 +10) JUNE 22

Table 18: Soybean Postemergence III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						----EVALUATED 8 WK. --			
					GRAS	SRLE	CRIN	GIEI	VELE	COLR	CRIN	GIEI	VELE	COLR
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	63	83	0	63	100	87	0	80	100	93
1B	BENAZOLIN	4.00 F	.250 LB/AC	LP										
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	60	80	0	50	97	93	0	63	97	97
2B	BENAZOLIN	4.00 F	.380 LB/AC	LP										
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	70	87	0	73	97	93	0	77	93	97
3B	BENAZOLIN	4.00 E	.380 LB/AC	LP										
3C	ARQUAD	.00 WA	.400 %	LP										
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	47	77	0	40	97	93	0	70	97	100
4B	BENAZOLIN	4.00 E	.250 LB/AC	LP										
4C	BENTAZON	4.00 E	.380 LB/AC	LP										
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	83	0	93	100	83	0	97	100	87
5B	BENAZOLIN	4.00 E	.250 LB/AC	LP										
5C	ACIFLUORFEN	2.00 L	.380 LB/AC	LP										
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LP										
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	60	80	0	90	90	87	0	90	100	93
6B	BENAZOLIN	4.00 E	.250 LB/AC	LP										
6C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP										
6D	TRITON AG 95 SURFACT	.00 WA	.130 %	LP										
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	70	0	83	100	93	0	90	97	100
7B	BENAZOLIN	4.00 E	.250 LB/AC	LP										
7C	CHLORAMBEN	75.00 DS	1.000 LB/AC	LP										
7D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	17	0	93	80	30	0	93	43	47
8B	CHLORAMBEN	75.00 DS	1.000 LB/AC	LP										
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	57	0	100	100	27	0	97	100	70
9B	CHLORAMBEN	75.00 DS	2.700 LB/AC	27D										
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	27D										
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	13	0	100	27	63	0	93	47	67
10B	CHLORAMBEN	75.00 DS	2.700 LB/AC	47D										
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	47D										
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	57	0	100	97	47	0	97	93	77
11B	CHLORAMBEN	75.00 DS	2.250 LB/AC	27D										
11C	ACIFLUORFEN	2.00 L	.500 LB/AC	27D										

Table 18: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---EVALUATED 4 WK. AFTER APPLIED ---						----EVALUATED 8 WK. ---			
					GRAS	BRLE	CRIN	GIFI	VELE	COLQ	CRIN	GIFI	VELE	COLQ
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	33	0	93	97	27	0	93	97	47
12B	CHLORAMBEN	75.00 DS	2.700 LB/AC	27D										
12C	2,4-DB	2.00 E	.030 LB/AC	27D										
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	57	3	93	100	67	0	90	97	70
13B	CHLORAMBEN	75.00 DS	2.700 LB/AC	27D										
13C	2,4-DB	2.00 E	.030 LB/AC	27D										
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	27D										
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	0	0	100	93	0	0	100	90	7
14B	CHLORAMBEN	75.00 DS	1.800 LB/AC	27D										
14C	NAPTALAM	2.00 EC	1.000 LB/AC	27D										
15A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	17	0	97	10	53	0	93	50	63
15B	CHLORAMBEN	75.00 DS	1.800 LB/AC	47D										
15C	NAPTALAM	2.00 EC	1.000 LB/AC	47D										
16A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	23	0	97	30	40	0	97	27	37
16B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP										
16C	2,4-DB	2.00 E	.030 LB/AC	LMP										
17A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	40	0	93	43	57	0	93	33	73
17B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP										
17C	2,4-DB	2.00 E	.030 LB/AC	LMP										
17D	TRITON AG 95 SURFACT	.00 WA	.130 %	LMP										
18A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	50	0	97	27	73	0	97	7	90
18B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP										
18C	2,4-DB	2.00 E	.030 LB/AC	LMP										
18D	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP										
19A	ALACHLOR	4.00 E	2.500 LB/AC	PRF	90	77	0	83	60	67	0	87	47	80
19B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP										
19C	BENTAZON	4.00 E	.500 LB/AC	LMP										
19D	2,4-DB	2.00 E	.030 LB/AC	LMP										
20A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	60	87	0	60	93	93	0	60	67	97
20B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP										
20C	BENTAZON	4.00 E	.500 LB/AC	LMP										
20D	2,4-DB	2.00 E	.030 LB/AC	LMP										
20E	TRITON AG 95 SURFACT	.00 WA	.130 %	LMP										
21A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	90	0	83	90	90	0	90	80	97
21B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP										
21C	BENTAZON	4.00 E	.500 LB/AC	LMP										
21D	2,4-DB	2.00 E	.030 LB/AC	LMP										
21E	OIL CONCENTRATE	.00 AD	.500 QT/AC	LMP										

Table 18: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						----EVALUATED 8 WK. ---			
					GRAS	BRLE	GRIN	GIFT	VELE	COLW	GRIN	GIFT	VELE	COLW
22A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	33	0	93	27	83	0	97	0	90
22B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP										
22C	SOY OIL	.00 AD	.250 QT/AC	MP										
23A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	83	0	93	77	80	0	100	20	90
23B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	MP										
23C	SOY OIL	.00 AD	.250 QT/AC	MP										
24A	PP 005	1.00 E	.130 LB/AC	LP	10	90	0	13	90	83	0	43	93	93
24B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP										
24C	TRITON AG 95 SURFACT	.00 WA	.250 %	LP										
25A	PP 005	1.00 E	.190 LB/AC	LP	60	60	0	53	93	47	0	67	97	60
25B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP										
25C	TRITON AG 95 SURFACT	.00 WA	.250 %	LP										
26A	PP 005	1.00 E	.130 LB/AC	LP	0	93	0	0	97	90	0	17	93	90
26B	BENTAZON	4.00 E	1.000 LB/AC	LP										
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
27A	PP 005	1.00 E	.190 LB/AC	LP	80	80	0	37	50	47	0	53	87	83
27B	BENTAZON	4.00 E	1.000 LB/AC	LP										
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
28A	PP 005	1.00 E	.130 LB/AC	LP	93	23	0	87	90	30	0	83	80	33
28B	PP 021	2.00 LC	.250 LB/AC	LP										
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
29A	PP 005	1.00 E	.130 LB/AC	LP	70	47	0	63	93	37	0	70	97	67
29B	PP 021	2.00 LC	.310 LB/AC	LP										
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
30A	PP 005	1.00 E	.130 LB/AC	LP	50	73	0	43	97	50	0	37	97	67
30B	PP 021	2.00 LC	.380 LB/AC	LP										
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
31A	PP 005	1.00 E	.190 LB/AC	LP	87	30	0	87	97	23	0	90	93	50
31B	PP 021	2.00 LC	.250 LB/AC	LP										
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
32A	PP 005	1.00 E	.190 LB/AC	LP	90	40	0	90	93	30	0	90	97	67
32B	PP 021	2.00 LC	.310 LB/AC	LP										
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
33A	PP 005	1.00 E	.190 LB/AC	LP	90	53	0	90	100	43	0	93	100	57
33B	PP 021	2.00 LC	.380 LB/AC	LP										
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										



Table 18: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED ---						----EVALUATED 8 WK. ---			
					GRAS	BRLE	CRIN	GIFI	VELE	COLG	CRIN	GIFI	VELE	COLG
34A	PP 021	2.00 LC	.250 LB/AC	MP	30	97	0	30	93	100	0	33	73	97
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
35A	PP 021	2.00 LC	.310 LB/AC	MP	0	97	0	0	93	97	0	0	100	100
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
36A	PP 021	2.00 LC	.380 LB/AC	MP	0	93	0	0	93	97	0	0	97	100
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
37A	BENTAZON	4.00 E	1.000 LB/AC	EP	50	83	0	73	93	93	0	80	90	93
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
37C	PP 005	1.00 E	.130 LB/AC	LP										
37D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
38A	BENTAZON	4.00 E	1.000 LB/AC	EP	73	87	0	70	90	93	0	93	93	90
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
38C	PP 005	1.00 E	.160 LB/AC	LP										
38D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
39A	BENTAZON	4.00 E	1.000 LB/AC	EP	77	73	0	73	97	97	0	90	93	93
39B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
39C	PP 005	1.00 E	.190 LB/AC	LP										
39D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
40A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP	83	27	0	83	93	0	0	77	93	63
40B	PP 021	2.00 LC	.380 LB/AC	LP										
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										

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LSD(05): 31 40 NS 29 31 39 0 26 34 29

LOCATION: SPINDLETOP FARM

FERTILIZATION (LB/AC): 0 N, 60 P, 60 K

DATE PLANTED: MAY 16

VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM

PH: 6.9 O.M.: 3.2%

DATE TREATED: PRE MAY 10

EP MAY 31

MP JUNE 5

LMP JUNE 8

27D JUNE 12

LP JUNE 12

47D JULY 2

**Table 19: Soybean Postemergence IV**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 22-----						-----AUG 23-----			
					GRAS	ORLE	CRIN	VELE	LINE	ILM <sub>2</sub>	CRIN	VELE	LINE	ILM <sub>2</sub>
1A	CHLORAMBEN	75.00 DS	2.700 LB/AC	300	78	22	0	20	20	28	0	18	12	18
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	300										
2A	CHLORAMBEN	75.00 DS	2.700 LB/AC	300	88	22	0	48	32	22	0	35	20	12
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	300										
3A	CHLORAMBEN	75.00 DS	2.700 LB/AC	300	88	30	0	58	28	25	0	40	22	18
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	300										
4A	CHLORAMBEN	75.00 DS	2.700 LB/AC	300	92	60	0	72	70	65	0	65	60	48
4B	SOY OIL	.00 AD	1.000 QT/AC	300										
5A	CHLORAMBEN	75.00 DS	2.700 LB/AC	300	90	50	0	78	62	58	0	68	60	42
5B	SOY OIL	.00 AD	1.000 QT/AC	300										
6A	CHLORAMBEN	75.00 DS	2.700 LB/AC	300	95	58	0	80	74	60	0	70	68	38
6B	SOY OIL	.00 AD	1.000 QT/AC	300										
7	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	0	100	100	100
8	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0	0
LSD(05):					9	11	0	11	12	15	0	11	15	10

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K      SOIL TYPE: MAURY SILT LOAM  
 DATE PLANTED: MAY 22      PH: 5.8      O.M.: 2.4%  
 VARIETY: WILLIAMS      DATE TREATED: 300 JUNE 25

**Table 20: Soybean Postemergence V**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	4 WK CRIN	8 WK CRIN	YLD.
1A	BEVAZOLIN	4.00 E	.380 LB/AC	V4	9	4	28
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V4			
2A	BEVAZOLIN	4.00 E	.500 LB/AC	V4	12	5	27
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V4			
3A	BEVAZOLIN	4.00 E	1.000 LB/AC	V4	11	10	28
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V4			
4	CHECK (CULTIVATED)	.00 CK	.000		0	0	27
5A	BEVAZOLIN	4.00 E	.380 LB/AC	V4			
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V4			
6A	BEVAZOLIN	4.00 E	.500 LB/AC	V4			
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V4			
7A	BEVAZOLIN	4.00 E	1.000 LB/AC	V4			
7B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V4			
8	CHECK (CULTIVATED)	.00 CK	.000				
9A	UBI 1484	2.00 L	1.500 LB/AC	2TR	5	5	27
9B	X-77 (SURFACTANT)	.50 WA	.500 X	2TR			
10A	UBI 1484	2.00 L	1.500 LB/AC	5TR	2	2	26
10B	X-77 (SURFACTANT)	.50 WA	.500 X	5TR			
11A	UBI 1484	2.00 L	1.500 LB/AC	R1	15	8	27
11B	X-77 (SURFACTANT)	.50 WA	.500 X	R1			
12A	UBI 1484	2.00 L	1.500 LB/AC	R3	20	12	26
12B	X-77 (SURFACTANT)	.50 WA	.500 X	R3			

LSD(05): 11 NS NS

LOCATION: SPINGLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 0 N, 60 P, 60 K

PH: 6.1 O.M.: 3.1%

DATE PLANTED: MAY 22

DATE TREATED: 2TR JUNE 16

VARIETY: WILLIAMS

5TR JUNE 28

V4 JUNE 22

R1 JULY 15

R3 JULY 31

ALL GET LASSO 2.5 PRE

R1 = R1 GROWTH STAGE OR 18" SOYBEANS

R3 = R3 GROWTH STAGE OR P00 SET

**Table 21: Soybean Early Preplant Incorporated—First Evaluation**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK. AFTER APPLIED-----									
					GRAS	HRLE	CRIM	GIFI	VELE	COLQ	JAVE	QUCB	ILMG	
1	CYANAZINE	4.00 L	2.250 LB/AC	EPP	75	74	0	75	80	100	85	42	85	
2A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	30	80	0	80	89	100	85	42	90	
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP										
3A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	32	85	8	82	88	100	95	48	98	
3B	CYANAZINE	4.00 L	1.500 LB/AC	PDD										
4A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	30	78	0	40	89	100	88	48	95	
4B	CYANAZINE	4.00 L	1.500 LB/AC	PDD										
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PDD										
5A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	30	85	0	80	88	100	42	40	100	
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP										
5C	CYANAZINE	4.00 L	1.500 LB/AC	PDD										
5D	GLYPHOS	3.00 E	1.500 LB/AC	PDD										
6A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	95	88	0	95	90	98	48	95	95	
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP										
6C	ALACHLOR	4.00 E	1.250 LB/AC	PRE										
6D	CYANAZINE	4.00 L	2.250 LB/AC	PDD										
6E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PDD										
7A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	90	88	0	90	90	100	88	42	90	
7B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP										
7C	ALACHLOR	4.00 E	1.250 LB/AC	PRE										
8A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	90	82	0	90	88	100	88	42	88	
8B	SD 95481	7.00 EC	.800 LB/AC	EPP										
9A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	98	82	0	98	82	98	40	90	88	
9B	METOLACHLOR	8.00 E	2.500 LB/AC	EPP										
10	SD 95481	7.00 EC	.800 LB/AC	EPP	82	80	0	82	85	90	82	48	90	
11A	SD 95481	7.00 EC	.800 LB/AC	EPP	90	82	0	90	95	90	82	40	82	
11B	METRIBUZIN 1	4.00 F	1.000 LB/AC	EPP										
12A	SD 95481	7.00 EC	.800 LB/AC	EPP	90	85	0	90	92	95	90	85	85	
12B	LIVURON	4.00 L	1.000 LB/AC	EPP										
13A	PARAQUAT	2.00 L	.250 LB/AC	PRE	78	80	0	78	92	82	95	92	82	
13B	X-77 (SURFACTANT)	.50 WA	.250 L	PRE										
13C	ALACHLOR	4.00 E	2.500 LB/AC	PRE										
13D	LIVURON	4.00 L	.750 LB/AC	PRE										

Table 21: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----								
					GRAS	SOLE	CRIN	GLEI	VELE	COLQ	ILNE	COQB	ILMG
14A	PARAJUAT	2.00 E	.250 LB/AC PRE		69	74	8	68	95	75	92	92	85
14B	X-77 (SURFACTANT)	.50 WA	.250 % PRE										
14C	ALACHLOR	4.00 E	2.500 LB/AC PRE										
14D	METRIBUZIN I	4.00 F	.350 LB/AC PRE										
15A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC PRE		78	79	12	79	90	80	92	95	85
15B	METRIBUZIN I	4.00 F	.350 LB/AC PRE										
16	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0
17	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100
LSD(05):					7	9	NS	7	10	7	9	10	7

LOCATION: PRINCETON, KY  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: JUNE 1  
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM  
 PH: 5.0 O.M.: 2.4%  
 DATE TREATED: EPP MAY 10  
 PRE JUNE 1  
 PDD JULY 16

**Table 22: Soybean Early Preplant Incorporated—Second Evaluation**

TWT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK. AFTER APPLIED-----						
					CRIN	SEI	VELE	COLD	LINE	COCA	LCMG
1	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	48	80	100	82	92	85
2A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	62	85	100	78	92	90
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP							
3A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	70	88	100	92	92	98
3B	CYANAZINE	4.00 L	1.500 LB/AC	PDD							
4A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	68	90	100	78	95	95
4B	CYANAZINE	4.00 L	1.500 LB/AC	PDD							
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PDD							
5A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	65	82	100	92	88	100
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP							
5C	CYANAZINE	4.00 L	1.500 LB/AC	PDD							
5D	DTN05E3	3.00 E	1.500 LB/AC	PDD							
6A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	90	88	98	98	92	95
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP							
6C	ALACHLOR	4.00 E	1.250 LB/AC	PRE							
6D	CYANAZINE	4.00 L	2.250 LB/AC	PDD							
6E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PDD							
7A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	80	85	100	80	90	90
7B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP							
7C	ALACHLOR	4.00 E	1.250 LB/AC	PRE							
8A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	78	85	100	70	90	88
8B	SD 95481	7.00 EC	.800 LB/AC	EPP							
9A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	0	90	82	98	82	80	85
9B	METOLACHLOR	8.00 E	2.500 LB/AC	EPP							
10	SD 95481	7.00 EC	.800 LB/AC	EPP	0	72	82	88	75	98	90
11A	SD 95481	7.00 EC	.800 LB/AC	EPP	0	82	95	98	65	90	82
11B	METRIBUZIN 1	4.00 F	1.000 LB/AC	EPP							
12A	SD 95481	7.00 EC	.800 LB/AC	EPP	0	80	90	95	82	78	85
12B	LINURON	4.00 L	1.000 LB/AC	EPP							
13A	PARAQUAT	2.00 E	.250 LB/AC	PRE	0	60	92	80	90	92	82
13B	X-77 (SURFACTANT)	.50 WA	.250 X	PRE							
13C	ALACHLOR	4.00 L	2.500 LB/AC	PRE							
13D	LINURON	4.00 L	.750 LB/AC	PRE							

Table 23: continued

TMT VOL	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRAS	SMLE	CRIN	GRFI	VELE	COLQ	WAGE	ILMG
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	82	5	100	98	98	100	82
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
11C	MON 0139 4	5.00 E	.160 LB/AC	STR								
11D	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	STR								
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	82	8	100	100	95	92	82
12B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
12C	MON 0139 4	5.00 E	.160 LB/AC	STR								
12D	HOE 33171	.75 EC	.200 LB/AC	STR								
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	99	88	5	100	100	100	95	88
13B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
13C	MON 0139 4	5.00 E	.160 LB/AC	STR								
13D	OXIFLUORFEN	1.50 EC	.050 LB/AC	STR								
14A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	90	72	10	90	90	90	82	88
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
14C	OIL CONCENTRATE	.90 AD	.500 QT/AC	MP								
15	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(LOS):		5	7	11	5	7	8	7	7

LOCATION: SPINDLETOP FARM

SOIL TYPE: MUDRY SILT LOAM

FERTILIZATION (LB/AC): 50 N, 60 P, 60 K

PH: 6.0 O.M.: 2.4%

DATE PLANTED: MAY 16

DATE TREATED: PRE MAY 16

VARIETY: WILLIAMS

MP JUNE 5

STR JUNE 13

VOLUMES ARE 10-15 GALLONS

**Table 24: Soybean Full Season Conventional—Second Evaluation**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 8 WK. AFTER APPLIED-----						
					CRIV	SIZE	VELE	COLG	LINE	COGB	ILMG
1A	ALACHLOR	4.00 E	2.000 LB/AC	PRE	0	90	98	98	82	78	78
1B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	99	92	98	84	85	82
2B	METRIBUZIN 1	4.00 F	.340 LB/AC	PRE							
2C	MON 0139 4	5.00 E	.090 LB/AC	STR							
2D	X-77 (SURFACTANT)	.50 WA	.130 %	STR							
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	92	95	95	84	75	75
3B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
3C	MON 0139 4	5.00 E	.160 LB/AC	STR							
3D	X-77 (SURFACTANT)	.50 WA	.130 %	STR							
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	2	92	90	98	88	90	75
4B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
4C	MON 0139 4	5.00 E	.230 LB/AC	STR							
4D	X-77 (SURFACTANT)	.50 WA	.130 %	STR							
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	92	92	94	92	90	80
5B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
5C	MON 0139 4	5.00 E	.060 LB/AC	STR							
5D	ACIFLUORFEN	2.00 L	.250 LB/AC	STR							
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	95	100	98	92	85	80
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
6C	MON 0139 4	5.00 E	.160 LB/AC	STR							
6D	ACIFLUORFEN	2.00 L	.250 LB/AC	STR							
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	98	92	100	93	85	82
7B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
7C	MON 0139 4	5.00 E	.230 LB/AC	STR							
7D	ACIFLUORFEN	2.00 L	.250 LB/AC	STR							
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	5	98	100	100	92	90	88
8B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
8C	MON 0139 4	5.00 E	.090 LB/AC	STR							
8D	ACIFLUORFEN	2.00 L	.500 LB/AC	STR							
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	2	98	100	100	95	85	85
9B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
9C	MON 0139 4	5.00 E	.160 LB/AC	STR							
9D	ACIFLUORFEN	2.00 L	.500 LB/AC	STR							
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	92	95	100	90	85	80
10B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
10C	MON 0139 4	5.00 E	.230 LB/AC	STR							
10D	ACIFLUORFEN	2.00 L	.500 LB/AC	STR							



Table 24: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED # WK. AFTER APPLIED -----						
					CRIM	GRM	VELE	COLQ	LINE	COCD	LLM
11A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	2	92	92	88	88	78	70
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE							
11C	MOV 0139 4	5.00 E	.160 LB/AC	STR							
11D	FLAZIFOP BUTYL	4.00 E	.130 LB/AC	STR							
12A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	2	95	100	95	90	90	72
12B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE							
12C	MOV 0139 4	5.00 E	.160 LB/AC	STR							
12D	HOE 33171	.75 EC	.200 LB/AC	STR							
13A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	0	90	92	100	88	78	75
13B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE							
13C	MOV 0139 4	5.00 E	.160 LB/AC	STR							
13D	OXYFLORFEN	1.50 EC	.050 LB/AC	STR							
14A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	5	88	72	55	82	50	75
14B	ACIFLORFEN	2.00 L	.500 LB/AC	MP							
14C	OIL CONCENTRATE	.00 AD	.500 BT/AC	MP							
15	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
			LS(05):		NS	7	9	7	7	11	11

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

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.0 U.M.: 2.4%  
 DATE TREATED: PRE MAY 16  
 MP JUNE 5  
 STR JUNE 13

VOLUMES ARE 10-15 GALLONS

**Table 25: Soybean Row Spacing—First Evaluation**

TRT NO.	HERBICIDE	AI/A	METH	ROW SPACING	GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	CRIN	GIFT	COLQ	ILMG
1A	LASSO ME	2.5	PRE	7"	100	70	0	100	100	68	0	100	100	68
1B	METRIBUZIN	0.5	PRE											
2A	LASSO ME	2.5	PRE	7"	98	78	0	98	100	78	0	98	100	78
2B	METRIBUZIN	0.5	PRE											
2C	BASAGRAN	0.75	EP											
2D	COC	1 QT	EP											
3A	LASSO ME	2.5	PRE	7"	98	80	0	98	100	80	0	98	100	80
3B	METRIBUZIN	0.5	PRE											
3C	BLAZER	0.38	EP											
3D	COC	1 PT	EP											
4A	LASSO ME	2.5	PRE	7"	93	80	0	93	95	78	0	90	95	78
4B	BASAGRAN	0.75	EP											
4C	COC	1 QT	EP											
5A	LASSO ME	2.5	PRE	7"	98	80	0	93	93	80	0	93	93	80
5B	BLAZER	0.38	EP											
5C	COC	1 PT	EP											
6A	LASSO ME	2.5	PRE	7"	87	67	0	87	53	83	0	87	47	83
6B	CLASSIC	0.012	EP											
6C	X-77	0.5%	EP											
7A	LASSO ME	2.5	PRE	7"	100	65	0	100	100	68	0	100	100	68
7B	COMMAND	1.0	PRE											
8A	LASSO ME	2.5	PRE	7"	90	80	0	90	98	80	0	90	98	80
8B	SCEPTER	0.19	PRE											
9A	POAST	0.2	EP	7"	93	63	0	93	65	70	0	93	65	70
9B	COC	1 QT	EP											
9C	BASAGRAN	0.75	EP											
9D	COC	1 QT	EP											

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**Table 25: continued**

TRT NO.	HERBICIDE	AI/A	METH	ROW SPACING	GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	CRIN	GIFT	COLQ	ILMG
18A	LASSO ME	2.5	PRE	30"	83	65	0	88	68	75	0	88	60	75
18B	CLASSIC	0.012	EP											
18C	X-77	0.5%	EP											
19A	LASSO ME	2.5	PRE	30"	98	60	0	98	100	58	0	98	100	58
19B	COMMAND	1.0	PRE											
20A	LASSO ME	2.5	PRE	30"	88	78	0	88	98	78	0	88	98	78
20B	SCEPTER	0.19	PRE											
21A	POAST	0.2	EP	30"	95	55	0	95	73	68	0	95	70	68
21B	COC	1 QT	EP											
21C	BASAGRAN	0.75	EP											
21D	COC	1 QT	EP											
22A	FUSILADE	0.15	EP	30"	55	65	0	55	83	75	0	50	80	75
22B	COC	1 QT	EP											
22C	BLAZER	0.38	EP											
22D	COC	1 PT	EP											
23A	ASSURE	0.125	EP	30"	100	53	0	100	15	78	0	100	13	78
23B	COC	1 QT	EP											
23C	CLASSIC	0.012	EP											
23D	X-77	0.5%	EP											
24A	VERDICT	0.09	EP	30"	93	50	0	93	13	75	0	93	13	75
24B	COC	1 QT	EP											
24C	COBRA	0.2	EP											

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DATE PLANTED: MAY 18

DATE TREATED:

PRE: MAY 18

EP: JUNE 1

SEQ: JUNE 13

**Table 26: Soybean Row Spacing—Second Evaluation**

TRT NO.	HERBICIDE	AI/A	METH	ROW SPACING	GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	CRIN	GIFT	COLQ	ILMG
1A	LASSO ME	2.5	PRE	7"	93	63	0	93	100	63	0	85	100	40
1B	METRIBUZIN	0.5	PRE											
2A	LASSO ME	2.5	PRE	7"	85	78	0	85	93	63	0	85	93	63
2B	METRIBUZIN	0.5	PRE											
2C	BASAGRAN	0.75	EP											
2D	COC	1 QT	EP											
3A	LASSO ME	2.5	PRE	7"	90	83	0	90	100	63	0	90	100	63
3B	METRIBUZIN	0.5	PRE											
3C	BLAZER	0.38	EP											
3D	COC	1 PT	EP											
4A	LASSO ME	2.5	PRE	7"	70	70	0	70	70	58	0	68	70	58
4B	BASAGRAN	0.75	EP											
4C	COC	1 QT	EP											
5A	LASSO ME	2.5	PRE	7"	73	70	0	80	83	68	0	80	83	68
5B	BLAZER	0.38	EP											
5C	COC	1 PT	EP											
6A	LASSO ME	2.5	PRE	7"	60	83	0	60	90	83	0	60	85	83
6B	CLASSIC	0.012	EP											
6C	X-77	0.5%	EP											
7A	LASSO ME	2.5	PRE	7"	90	63	0	90	98	63	0	85	98	45
7B	COMMAND	1.0	PRE											
8A	LASSO ME	2.5	PRE	7"	90	85	0	90	93	85	0	83	93	83
8B	SCEPTER	0.19	PRE											
9A	POAST	0.2	EP	7"	98	65	0	98	70	55	0	98	70	55
9B	COC	1 QT	EP											
9C	BASAGRAN	0.75	EP											
9D	COC	1 QT	EP											

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**Table 26: continued**

TRT NO.	HERBICIDE	AI/A	METH	ROW SPACING	GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	CRIN	GIFT	COLQ	ILMG
10A	FUSILADE	0.15	EP	7"	90	60	0	90	60	63	0	85	58	63
10B	COC	1 QT	EP											
10C	BLAZER	0.38	EP											
10D	COC	1 PT	EP											
11A	ASSURE	0.125	EP	7"	98	63	0	98	45	80	0	98	45	80
11B	COC	1 QT	EP											
11C	CLASSIC	0.012	EP											
11D	X-77	0.5%	EP											
12A	VERDICT	0.09	EP	7"	98	63	0	98	40	80	0	98	40	80
12B	COC	1 QT	EP											
12C	COBRA	0.2	EP											
13A	LASSO ME	2.5	PRE	30"	93	70	0	93	100	70	0	90	100	58
13B	METRIBUZIN	0.5	PRE											
14A	LASSO ME	2.5	PRE	30"	98	80	0	98	98	73	0	98	98	73
14B	METRIBUZIN	0.5	PRE											
14C	BASAGRAN	0.75	EP											
14D	COC	1 QT	EP											
15A	LASSO ME	2.5	PRE	30"	88	85	0	88	100	75	0	88	100	75
15B	METRIBUZIN	0.5	PRE											
15C	BLAZER	0.38	EP											
15D	COC	1 PT	EP											
16A	LASSO ME	2.5	PRE	30"	80	83	0	80	98	70	0	80	98	70
16B	BASAGRAN	0.75	EP											
16C	COC	1 QT	EP											
17A	LASSO ME	2.5	PRE	30"	85	88	0	85	95	83	0	85	95	83
17B	BLAZER	0.38	EP											
17C	COC	1 PT	EP											

**Table 26: continued**

TRT NO.	HERBICIDE	AI/A	METH	ROW SPACING	GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	CRIN	GIFT	COLQ	ILMG
18A	LASSO ME	2.5	PRE	30"	73	85	0	73	88	85	0	73	83	85
18B	CLASSIC	0.012	EP											
18C	X-77	0.5%	EP											
19A	LASSO ME	2.5	PRE	30"	93	65	0	93	98	65	0	90	98	58
19B	COMMAND	1.0	PRE											
20A	LASSO ME	2.5	PRE	30"	90	83	0	90	100	85	0	90	100	85
20B	SCEPTER	0.19	PRE											
21A	POAST	0.2	EP	30"	98	73	0	98	80	63	0	98	78	63
21B	COC	1 QT	EP											
21C	BASAGRAN	0.75	EP											
21D	COC	1 QT	EP											
22A	FUSILADE	0.15	EP	30"	93	78	0	93	83	78	0	90	80	78
22B	COC	1 QT	EP											
22C	BLAZER	0.38	EP											
22D	COC	1 PT	EP											
23A	ASSURE	0.125	EP	30"	100	68	0	100	63	83	0	100	63	83
23B	COC	1 QT	EP											
23C	CLASSIC	0.012	EP											
23D	X-77	0.5%	EP											
24A	VERDICT	0.09	EP	30"	100	78	0	100	78	80	0	100	78	80
24B	COC	1 QT	EP											
24C	COBRA	0.2	EP											

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DATE PLANTED: 6/13

DATE TREATED:

PRE: 6/13

EP: 7/2

SEQ: 7/16

**Table 27: Soybean pH Persistence—First Evaluation**

TRT	HERBICIDE	AI/A	pH	GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	RRPW	ILMG	PRSI
1	SCEPTER	0.125	5.5	88	80	0	88	98	18	90	95	93
			6.2	85	75	0	85	95	1	98	95	88
			6.9	83	85	0	83	98	33	100	90	100
2	SCEPTER	0.250	5.5	85	85	0	85	95	35	98	100	100
			6.2	88	88	0	88	100	50	100	100	100
			6.9	90	90	0	90	100	68	100	100	98
3	CLASSIC	0.030	5.5	43	68	0	43	90	1	93	90	65
			6.2	48	78	0	48	95	18	93	93	85
			6.9	68	80	0	68	98	23	90	85	95
4	CLASSIC	0.060	5.5	68	73	0	68	90	1	90	93	88
			6.2	65	80	0	65	100	28	98	93	78
			6.9	83	88	0	83	100	55	100	100	88
5	COMMAND	1.000	5.5	93	65	0	93	100	63	63	85	95
			6.2	95	70	0	95	100	68	85	85	90
			6.9	100	78	0	100	100	50	78	88	100
6	COMMAND	1.500	5.5	100	88	1	100	95	90	85	93	100
			6.2	100	85	0	100	98	90	80	93	93
			6.9	98	78	0	98	98	88	83	78	100
7	CHECK		5.5	100	100	0	100	100	100	100	100	100
			6.2	100	100	0	100	100	100	100	100	100
			6.9	100	100	0	100	100	100	100	100	100
8	CHECK		5.5	100	100	0	100	100	100	100	100	100
			6.2	100	100	0	100	100	100	100	100	100
			6.9	100	100	0	100	100	100	100	100	100

DATE PLANTED - MAY 22  
 DATE TREATED - MAY 22



**Table 28: Soybean pH Persistence—Second Evaluation**

TRT	HERBICIDE	AI/A	pH	GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	RRPW	ILMG	PRSI
1	SCEPTER	0.125	5.5	88	78	0	88	100	0	100	93	100
			6.2	100	80	0	100	100	10	100	98	100
			6.9	100	80	0	100	98	25	98	98	98
2	SCEPTER	0.250	5.5	90	80	0	90	100	30	98	98	98
			6.2	98	80	0	98	100	33	98	98	100
			6.9	98	85	0	98	98	50	98	95	100
3	CLASSIC	0.030	5.5	50	80	0	50	95	0	98	100	100
			6.2	58	83	0	58	98	15	95	98	100
			6.9	58	75	0	58	95	0	83	100	100
4	CLASSIC	0.060	5.5	65	75	0	65	95	0	95	90	100
			6.2	68	80	0	68	98	12	95	95	100
			6.9	90	85	0	93	100	35	100	98	100
5	COMMAND	1.000	5.5	100	68	0	100	100	65	65	90	100
			6.2	98	80	0	98	98	75	80	85	100
			6.9	98	80	0	98	93	78	88	88	100
6	COMMAND	1.500	5.5	100	88	0	100	100	83	85	98	100
			6.2	100	85	0	100	100	85	85	90	100
			6.9	100	88	0	100	100	85	90	83	100
7	CHECK		5.5	100	100	0	100	100	100	100	100	100
			6.2	100	100	0	100	100	100	100	100	100
			6.9	100	100	0	100	100	100	100	100	100
8	CHECK		5.5	100	100	0	100	100	100	100	100	100
			6.2	100	100	0	100	100	100	100	100	100
			6.9	100	100	0	100	100	100	100	100	100

DATE PLANTED - MAY 22

DATE TREATED - MAY 22

**Table 29: No-Tillage Soybeans—First Evaluation**

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK. AFTER APPLIED-----									
					GRAS	HRLE	CRIN	GIEI	COLO	PLNS	PESW	MRII	CORN	
1A	ALACHLOR	4.00 E	3.000 LR/AC	PRE	90	80	0	90	93	77	43	100	97	
1B	GLYPHOSATE	4.00 E	1.500 LR/AC	PRE										
2A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	90	33	0	90	80	57	17	83	97	
2B	PARAJUAT PLUS	2.00 E	.250 LR/AC	PRE										
2C	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
3A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	100	80	0	100	100	97	57	90	100	
3B	LINURON	4.00 L	1.000 LR/AC	PRE										
3C	PARAJUAT PLUS	2.00 E	.250 LR/AC	PRE										
3D	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
4A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	73	70	0	73	77	73	73	67	97	
4B	PP3-844	2.00 E	.250 LR/AC	PRE										
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
5A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	47	57	0	87	83	73	50	63	93	
5B	PP3-844	2.00 E	.250 LR/AC	PRE										
5C	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
6A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	47	60	0	67	77	73	43	70	97	
6B	PP3-844	2.00 E	.400 LR/AC	PRE										
6C	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
7A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	87	40	0	87	87	83	20	100	100	
7B	PP3-844	2.00 E	.250 LR/AC	PRE										
7C	PARAJUAT PLUS	2.00 E	.250 LR/AC	PRE										
7D	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
8A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	90	63	3	90	90	80	23	93	100	
8B	PARAJUAT PLUS	2.00 E	.250 LR/AC	PRE										
8C	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
8D	PP3-844	2.00 E	.200 LR/AC	EP										
9A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	97	57	3	93	100	80	67	97	73	
9B	METRIZOLIN 1	4.00 F	.500 LR/AC	PRE										
9C	PARAJUAT 2	2.00 S	.250 LR/AC	PRE										
9D	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
10A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	93	63	3	93	100	80	43	100	100	
10B	LINURON	4.00 L	1.000 LR/AC	PRE										
10C	PARAJUAT 2	2.00 S	.250 LR/AC	PRE										
10D	X-77 (SURFACTANT)	.50 WA	.250 X	PRE										
11A	ALACHLOR	4.00 E	2.500 LR/AC	PRE	87	73	7	87	93	73	57	77	100	
11B	PP3 1613	.25 EP	.200 LR/AC	PRE										
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										

Table 29: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 Wks. AFTER APPLIED-----								
					GRAS	BRLE	CSIN	GIEI	COLR	BLND	PCSA	MRIL	CORN
12A	ALACHLOR	4.00 E	2.500 L3/AC	PRE	77	53	3	80	100	47	47	80	63
12B	PPG 1013	.25 EC	.300 L3/AC	PRE									
12C	OIL CONCENTRATE	.00 AD	1.000 RT/AC	PRE									
13A	ALACHLOR	4.00 E	2.500 L3/AC	PRE	77	37	7	77	90	43	37	73	80
13B	PPG 1013	.25 EC	.200 L3/AC	PRE									
13C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
14A	ALACHLOR	4.00 E	2.500 L3/AC	PRE	83	27	0	83	93	27	10	77	97
14B	PPG 1013	.25 EC	.300 L3/AC	PRE									
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
15A	ALACHLOR	4.00 E	2.500 L3/AC	PRE	97	40	3	97	90	73	13	90	93
15B	PPG 1013	.25 EC	.200 L3/AC	PRE									
15C	PARAJUAT PLUS	2.00 E	.250 L3/AC	PRE									
15D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
16A	ALACHLOR	4.00 E	2.500 L3/AC	PRE	37	40	0	87	77	50	20	53	97
16B	PPG 1013	.25 EC	.300 L3/AC	PRE									
16C	PARAJUAT PLUS	2.00 E	.250 L3/AC	PRE									
16D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
17A	ALACHLOR	4.00 E	2.500 L3/AC	PRE	90	57	0	90	70	57	57	87	70
17B	PARAJUAT PLUS	2.00 E	.250 L3/AC	PRE									
17C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
17D	PPG 1013	.25 EC	.300 L3/AC	EP									
18A	AC 214	1.50 AS	.130 L3/AC	PRE	97	97	0	97	100	97	100	100	100
18B	GLYPHOSATE	4.00 E	1.500 L3/AC	PRE									
19A	AC 214	1.50 AS	.100 L3/AC	PRE	100	100	0	100	100	100	100	100	100
19B	GLYPHOSATE	4.00 E	1.500 L3/AC	PRE									
20A	AC 214	1.50 AS	.250 L3/AC	PRE	100	100	0	100	100	100	100	100	97
20B	GLYPHOSATE	4.00 E	1.500 L3/AC	PRE									
21A	AC 214	1.50 AS	.130 L3/AC	PRE	100	100	0	100	97	100	100	100	100
21B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 L3/AC	PRE									
22A	AC 214	1.50 AS	.100 L3/AC	PRE	97	97	0	97	100	97	100	100	100
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 L3/AC	PRE									
23A	AC 214	1.50 AS	.250 L3/AC	PRE	100	97	0	100	100	97	100	100	97
23B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 L3/AC	PRE									

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Table 29: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----								
					GRAS	3BLE	CRIN	GF1	COLY	BLNS	RESW	MAXL	COMW
24A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	93	67	0	93	100	47	60	97	100
24B	PAXAJUAT PLUS	2.00 E	.250 LB/AC	PRE									
24C	X-77 (SURFACTANT)	.50 AA	.250 Z	PRE									
25A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	100	90	3	100	100	57	87	100	100
25B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									
26A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	100	90	3	100	100	90	100	100	100
26B	SC 0224	4.00 LC	1.500 LB/AC	PRE									
27A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	87	17	0	87	90	13	3	90	90
27B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE									
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
28A	SETHOXYDIM	1.53 EC	1.000 LB/AC	PRE	90	73	0	90	100	55	47	100	97
28B	DINOSB	3.00 E	1.500 LB/AC	PRE									
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
29A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	77	73	0	77	100	57	47	100	100
29B	85000XYNIL 2	2.00 E	.250 LB/AC	PRE									
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
30A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	90	43	0	90	100	10	73	87	87
30B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
31A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	83	70	0	83	97	90	50	73	90
31B	LINURON	4.00 L	1.000 LB/AC	PRE									
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
32A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	90	17	0	90	87	0	67	90	83
32B	CLUPROXYDIM	4.00 E	.150 LB/AC	MP									
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
33A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	87	37	0	87	93	60	97	97	87
33B	CLUPROXYDIM	4.00 E	.200 LB/AC	MP									
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
34A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	33	0	100	90	3	90	87	77
34B	CLUPROXYDIM	4.00 E	.300 LB/AC	MP									
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
35A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	27	0	97	87	7	90	93	83
35B	CLUPROXYDIM	4.00 E	.500 LB/AC	MP									
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
35D	CLUPROXYDIM	4.00 E	.200 LB/AC	SEW									
35E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEW									

Table 29: continued

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----								
					GRASS	SRLE	CRIN	GIET	COLJ	BLND	PEBW	MILL	CORN
35A	METRIBUZIN I	4.00 F	.500 LR/AC	PPE	97	83	0	97	100	93	100	100	100
35B	H2E 561	1.57 F	.500 LR/AC	PPE									
35C	H2E 33171	.75 EC	.200 LR/AC	MP									
37A	METRIBUZIN I	4.00 F	.500 LR/AC	PPE	93	80	0	93	97	50	100	100	100
37B	H2E 561	1.57 E	.750 LR/AC	PPE									
37C	H2E 33171	.75 EC	.200 LR/AC	MP									
39A	METOLACHLOR	8.00 E	2.000 LR/AC	PPE	100	84	0	100	93	77	97	100	100
39B	H2E 39565	1.78 EC	1.000 LR/AC	PPE									
39A	METOLACHLOR	8.00 E	2.500 LR/AC	PPE	100	90	0	100	93	90	100	100	100
39B	H2E 39565	1.78 EC	1.500 LR/AC	PPE									
40A	H2E 561	1.57 E	.500 LR/AC	PPE	93	90	0	93	100	83	100	100	100
40B	METOLACHLOR	8.00 E	2.500 LR/AC	PPE									
40C	METRIBUZIN	75.00 DF	.500 LR/AC	PPE									
41A	H2E 561	1.57 E	.750 LR/AC	PPE	97	87	0	97	97	50	100	100	100
41B	METOLACHLOR	8.00 E	2.500 LR/AC	PPE									
41C	METRIBUZIN	75.00 DF	.500 LR/AC	PPE									
42A	H2E 561	1.57 E	1.000 LR/AC	PPE	100	93	3	100	97	93	100	100	100
42B	METOLACHLOR	8.00 E	2.500 LR/AC	PPE									
42C	METRIBUZIN	75.00 DF	.500 LR/AC	PPE									
43A	FLUAZIFOP BUTYL	4.00 E	.250 LR/AC	MP	97	23	0	97	87	53	63	67	37
43B	BENTAZON	4.00 E	1.000 LR/AC	MP									
43C	DTL CONCENTRATE	.00 AD	1.000 DT/AC	MP									
44A	BENTAZON	4.00 E	1.000 LR/AC	MP	90	30	0	90	70	33	40	90	63
44B	DTL CONCENTRATE	.00 AD	1.000 DT/AC	MP									
44C	FLUAZIFOP BUTYL	4.00 E	.250 LR/AC	LP									
44D	DTL CONCENTRATE	.00 AD	1.000 DT/AC	LP									
45A	BENTAZON	4.00 E	1.000 LR/AC	MP	100	50	0	100	73	47	43	90	93
45B	ACIFLUORFEN	2.00 L	.500 LR/AC	MP									
45C	DTL CONCENTRATE	.00 AD	.500 DT/AC	MP									
45D	FLUAZIFOP BUTYL	4.00 E	.250 LR/AC	LP									
45E	DTL CONCENTRATE	.00 AD	1.000 DT/AC	LP									
46A	TRYZALIN	4.00 AS	1.000 LR/AC	PPE	100	87	3	93	100	87	97	100	100
46B	METRIBUZIN I	4.00 F	.500 LR/AC	PPE									
46C	H2E 561	1.57 F	.500 LR/AC	PPE									

Table 29: continued

TST	HERBICIDE	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----								
					GRAS	PRLE	CRIS	WISI	COLO	HLNS	PESW	MRTL	CURW
47A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	100	87	0	100	100	85	100	100	100
47B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
47C	H2E 561	1.67 E	.750 LB/AC	PRE									
44A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	100	90	7	100	100	90	97	100	100
44B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
44C	H2E 561	1.67 E	1.000 LB/AC	PRE									
49A	DOXOJ 453	2.00 E	.130 LB/AC	PRE	90	80	0	90	100	47	80	90	100
49B	LIVORON	4.00 L	1.000 LB/AC	PRE									
49C	OIL CONCENTRATE	.90 AD	1.000 BT/AC	PRE									
50A	DOXOJ 453	2.00 E	.250 LB/AC	PRE	97	80	0	97	100	91	60	97	93
50B	LIVORON	4.00 L	1.000 LB/AC	PRE									
50C	OIL CONCENTRATE	.90 AD	1.000 BT/AC	PRE									
51A	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE	97	53	0	97	80	23	80	90	90
51B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
51C	DOXOJ 453	2.00 E	.130 LB/AC	MP									
51D	SENTAZON	4.00 E	1.000 LB/AC	MP									
51E	OIL CONCENTRATE	.90 AD	1.000 BT/AC	MP									
52A	LIVORON	4.00 L	1.000 LB/AC	PRE	100	100	3	100	100	97	100	100	100
52B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
52C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
52D	DOXOJ 453	2.00 E	.130 LB/AC	MP									
52E	SENTAZON	4.00 E	1.000 LB/AC	MP									
52F	OIL CONCENTRATE	.90 AD	1.000 BT/AC	MP									
53A	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	100	80	7	100	93	77	97	100	100
53B	FLUAZIFOP b-TYL	4.00 E	.250 LB/AC	MP									
53C	SENTAZON	4.00 E	1.000 LB/AC	MP									
53D	OIL CONCENTRATE	.90 AD	1.000 BT/AC	MP									
54A	CP 55047	4.00 EC	2.500 LB/AC	PRE	100	90	0	100	93	87	100	100	90
54B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									
55A	H2E 561	1.67 E	.750 LB/AC	PRE	100	97	0	100	93	93	100	100	100
55B	H2E 34171	.75 EC	.200 LB/AC	MP									
55C	SENTAZON	4.00 E	1.000 LB/AC	MP									
55D	ACIFLUORFEN	2.00 L	.500 LB/AC	MP									
56A	MORFLUSAZON	50.00 WP	1.000 LB/AC	PRE	100	90	3	100	97	90	100	100	100
56B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE									
56C	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									

Table 29: continued

TREATMENT	HERBICIDE	FORMULA	RATE	APPL	EVALUATED 4 WK. AFTER APPLIED									
					GRAS	SMLE	CRIV	GIEI	COLU	BANS	RESB	MBIL	COBW	
57A	SETHOXYDIM	1.53 EC	.300 LB/A	MP	100	40	0	100	87	27	70	97	73	
57B	PENTAZOL	4.00 E	1.000 LB/A	MP										
57C	OIL CONCENTRATE	.00 AD	1.000 QT/A	MP										
58A	SETHOXYDIM	1.53 EC	.300 LB/A	MP	93	43	0	93	90	23	77	57	53	
58B	PENTAZOL	4.00 E	1.000 LB/A	MP										
58C	ACIFLUORFEN	2.00 L	.250 LB/A	MP										
58D	OIL CONCENTRATE	.00 AD	1.000 QT/A	MP										
59A	SETHOXYDIM	1.53 EC	.300 LB/A	MP	97	20	0	97	83	30	50	93	67	
59B	PENTAZOL	4.00 E	1.000 LB/A	MP										
59C	OIL CONCENTRATE	.00 AD	1.000 QT/A	MP										
60A	SETHOXYDIM	1.53 EC	.300 LB/A	MP	93	53	0	93	70	53	63	80	87	
60B	PENTAZOL	4.00 E	1.000 LB/A	MP										
60C	ACIFLUORFEN	2.00 L	.250 LB/A	MP										
60D	OIL CONCENTRATE	.00 AD	1.000 QT/A	MP										
LSD(05):					11	31	NS	12	20	32	38	24	29	

LOCATION: SPINULETIP FARM  
 FERTILIZATION (LB/A): 50 N, 50 P, 60 K  
 DATE PLANTED: JUNE 13  
 VARIETY: WILLIAMS

SOIL TYPE: HEAVY SILT LOAM  
 PH: 5.1 O.M.: 2.9%  
 DATE TREATED: 9E JUNE 13  
 MP JUNE 25  
 MP JULY 2  
 SP2 JULY 15  
 LP JULY 16

TREATMENTS 27-31 TO GPA

**Table 30: No-Tillage Soybeans—Second Evaluation**

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK. AFTER APPLIED-----						
					CRLY	GRN	COLD	BLNS	RESM	MTLL	CRPW
1A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	0	90	93	77	93	100	97
1H	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	80	53	13	53	97
2H	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
2C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	100	100	97	47	90	100
3H	LINURON	4.00 L	1.000 LB/AC	PRE							
3C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
3J	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	73	70	70	73	57	97
4H	PP3-544	2.00 E	.250 LB/AC	PRE							
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	90	80	73	50	55	93
5H	PP3-544	2.00 E	.250 LB/AC	PRE							
5C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	77	73	40	70	97
6H	PP3-544	2.00 E	.400 LB/AC	PRE							
6C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	87	83	20	100	100
7H	PP3-544	2.00 E	.250 LB/AC	PRE							
7C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
7J	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	90	90	80	23	93	100
8H	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
8C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
8J	PP3-544	2.00 E	.200 LB/AC	EP							
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	93	100	70	67	97	73
9H	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
9C	PARAQUAT 2	2.00 S	.250 LB/AC	PRE							
9J	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	5	93	100	90	43	100	100
10H	LINURON	4.00 L	1.000 LB/AC	PRE							
10C	PARAQUAT 2	2.00 S	.250 LB/AC	PRE							
10J	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	87	93	73	57	77	100
11H	PP3 1013	.25 EC	.200 LB/AC	PRE							
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							



Table 30: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 8 WK. AFTER APPLIED-----						
					GRN	GEI	COLR	BLNS	PFSW	MBIL	CRW
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	80	100	47	47	80	63
12B	PPS 1013	.25 EC	.300 LB/AC	PRE							
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	77	90	43	37	73	47
13B	PPS 1013	.25 EC	.200 LB/AC	PRE							
13C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	83	93	27	10	77	97
14B	PPS 1013	.25 EC	.300 LB/AC	PRE							
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
15A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	47	83	73	10	90	43
15B	PPS 1013	.25 EC	.200 LB/AC	PRE							
15C	PARAJUAT PLUS	2.00 E	.250 LB/AC	PRE							
15D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
16A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	77	50	20	53	97
16B	PPS 1013	.25 EC	.300 LB/AC	PRE							
16C	PARAJUAT PLUS	2.00 E	.250 LB/AC	PRE							
16D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
17A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	70	67	57	87	70
17B	PARAJUAT PLUS	2.00 E	.250 LB/AC	PRE							
17C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
17D	PPS 1013	.25 EC	.300 LB/AC	EP							
18A	AC 214	1.50 AS	.130 LB/AC	PRE	0	97	100	90	100	100	100
18B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							
19A	AC 214	1.50 AS	.190 LB/AC	PRE	0	100	100	100	100	100	100
19B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							
20A	AC 214	1.50 AS	.250 LB/AC	PRE	0	100	100	100	100	100	100
20B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							
21A	AC 214	1.50 AS	.130 LB/AC	PRE	0	100	97	100	100	100	100
21B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE							
22A	AC 214	1.50 AS	.190 LB/AC	PRE	0	97	100	90	100	100	100
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE							
23A	AC 214	1.50 AS	.250 LB/AC	PRE	0	100	100	93	100	100	97
23B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE							

Table 30: continued

TRT NO.	TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 8 WK. AFTER APPLIED-----						
					GRIN	GLFI	COLQ	BLMS	PESH	MRL	GRW
24A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	0	93	100	27	57	97	100
24B	PARAQUAT PLUS	2.70 E	.250 LB/AC	PRE							
24C	X-77 (SURFACTANT)	.50 AA	.250 Z	PRE							
25A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	3	100	100	87	90	100	100
25B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							
26A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	3	100	90	90	100	100	100
26B	SC 0224	4.00 LC	1.500 LB/AC	PRE							
27A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	0	87	90	13	3	90	90
27B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE							
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
28A	SETHOXYDIM	1.53 EC	1.000 LB/AC	PRE	0	90	100	63	47	100	97
28B	DINoseb	3.00 E	1.500 LB/AC	PRE							
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
29A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	0	77	100	67	40	100	100
29B	BROMOXNYL 2	2.00 E	.250 LB/AC	PRE							
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
30A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	0	90	100	10	73	97	87
30B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
31A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	0	83	97	90	50	73	90
31B	LINURON	4.00 L	1.000 LB/AC	PRE							
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
32A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	90	87	0	67	90	83
32B	CLUPROXYDIM	4.00 E	.150 LB/AC	MP							
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
33A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	87	93	27	97	97	87
33B	CLUPROXYDIM	4.00 E	.200 LB/AC	MP							
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
34A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	100	90	3	90	97	77
34B	CLUPROXYDIM	4.00 E	.300 LB/AC	MP							
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
35A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	97	87	7	90	93	83
35B	CLUPROXYDIM	4.00 E	.300 LB/AC	MP							
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
35D	CLUPROXYDIM	4.00 E	.200 LB/AC	SEQ							
35E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ							

Table 30: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK. AFTER APPLIED-----						
					GRIN	SIET	COLG	BLNS	PESN	MRTL	CORN
35A	METRIBUZIN I	4.00 F	.500 LB/AC	PPE	3	97	100	80	100	100	100
35B	HOE 561	1.57 E	.500 LB/AC	PPE							
35C	HOE 33171	.75 EC	.200 LB/AC	MP							
37A	METRIBUZIN I	4.00 F	.500 LB/AC	PPE	0	93	97	60	100	100	100
37B	HOE 561	1.57 E	.750 LB/AC	PPE							
37C	HOE 33171	.75 EC	.200 LB/AC	MP							
39A	METOLACHLOR	8.00 E	2.000 LB/AC	PPE	3	100	93	73	97	100	100
39B	HOE 39365	1.75 EC	1.000 LB/AC	PPE							
39A	METOLACHLOR	8.00 E	2.500 LB/AC	PPE	0	100	93	90	100	100	100
39B	HOE 39365	1.75 EC	1.300 LB/AC	PPE							
40A	HOE 561	1.57 E	.500 LB/AC	PPE	0	93	100	83	100	100	100
40B	METOLACHLOR	8.00 E	2.500 LB/AC	PPE							
40C	METRIBUZIN	75.00 DF	.500 LB/AC	PPE							
41A	HOE 561	1.57 E	.750 LB/AC	PPE	0	97	97	60	93	100	100
41B	METOLACHLOR	8.00 E	2.500 LB/AC	PPE							
41C	METRIBUZIN	75.00 DF	.500 LB/AC	PPE							
42A	HOE 561	1.57 E	1.000 LB/AC	PPE	3	100	97	93	100	100	100
42B	METOLACHLOR	8.00 E	2.500 LB/AC	PPE							
42C	METRIBUZIN	75.00 DF	.500 LB/AC	PPE							
43A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	MP	0	97	87	53	53	57	37
43B	BENTAZON	4.00 E	1.000 LB/AC	MP							
43C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
44A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	90	70	33	40	90	63
44B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
44C	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP							
44D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP							
45A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	100	73	47	43	99	93
45B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
45C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
45D	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP							
45E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP							
45A	ORYZALIN	4.00 AS	1.000 LB/AC	PPE	3	93	100	80	97	100	100
45B	METRIBUZIN I	4.00 F	.500 LB/AC	PPE							
45C	HOE 561	1.57 E	.500 LB/AC	PPE							

Table 30: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK. AFTER APPLIED-----						
					GRN	STG	COLQ	BLNS	PESH	HRIL	CRBW
47A	ORYZALIN	4.00 AS	1.000 LB/AC	PPE	0	100	100	83	100	100	100
47B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPE							
47C	HOE 561	1.67 E	.750 LB/AC	PRE							
48A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	7	100	100	83	97	100	100
48B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPE							
48C	HOE 561	1.67 E	1.000 LB/AC	PRE							
49A	DDACD 453	2.00 E	.130 LB/AC	PRE	0	90	100	87	50	90	97
49B	LINURON	4.00 L	1.000 LB/AC	PRE							
49C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
50A	DDACD 453	2.00 E	.250 LB/AC	PRE	0	97	100	90	50	97	93
50B	LINURON	4.00 L	1.000 LB/AC	PRE							
50C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
51A	PARAJUAT PLUS	2.00 E	.250 LB/AC	PRE	0	97	90	23	80	90	90
51B	X-77 (SURFACTANT)	.50 WA	.250 Z	PRE							
51C	DDACD 453	2.00 E	.130 LB/AC	MP							
51D	BENTAZON	4.00 E	1.000 LB/AC	MP							
51E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
52A	LINURON	4.00 L	1.000 LB/AC	PPE	3	100	100	97	100	100	100
52B	PARAJUAT PLUS	2.00 E	.250 LB/AC	PWF							
52C	X-77 (SURFACTANT)	.50 WA	.250 Z	PRE							
52D	DDACD 453	2.00 E	.130 LB/AC	MP							
52E	BENTAZON	4.00 E	1.000 LB/AC	MP							
52F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
53A	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	7	100	93	77	97	100	100
53B	FLJAZIFOP BJTYL	4.00 E	.250 LB/AC	MP							
53C	BENTAZON	4.00 E	1.000 LB/AC	MP							
53D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
54A	CP 55097	9.00 EC	2.500 LB/AC	PRF	0	100	93	87	100	100	90
54B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							
55A	HOE 561	1.67 E	.750 LB/AC	PPE	0	100	93	93	100	100	100
55B	HOE 33171	.75 EC	.200 LB/AC	MP							
55C	BENTAZON	4.00 E	1.000 LB/AC	MP							
55D	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
56A	TRIFLURAZON	50.00 WP	1.000 LB/AC	PPE	3	100	97	80	93	100	100
56B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPE							
56C	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE							

Table 30: continued

TRT VIA	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 9 WK. AFTER APPLIED-----						
					GRN	GRY	COLD	BLNS	RESN	MRIL	COBN
57A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	100	87	27	70	97	73
57B	BENTAZON	4.00 E	1.000 LB/AC	MP							
57C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
58A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	93	90	23	77	57	53
58B	BENTAZON	4.00 E	1.000 LB/AC	MP							
58C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
58J	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
59A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	97	83	30	50	93	67
59B	BENTAZON	4.00 E	1.000 LB/AC	MP							
59C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
50A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	7	93	70	53	53	80	87
50B	BENTAZON	4.00 E	1.000 LB/AC	MP							
50C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
50J	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
LSD(05):					NS	12	19	32	38	24	30

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LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 50 N, 60 P, 60 K  
 DATE PLANTED: JUNE 13  
 VARIETY: WILLIAMS

SOIL TYPE: MAORY SILT LOAM  
 PH: 5.1 O.M.: 2.9%  
 DATE TREATED: PRE JUNE 13  
 EP JUNE 28  
 MP JULY 2  
 SEQ JULY 16  
 LP JULY 16

TREATMENTS 27-31 10 GP4

**Table 31: No-Tillage Full Season Soybeans**

TREATMENT NO.	HERBICIDE	FORMULA	RATE	APPL METHOD	JUNE 29						JULY 29					
					GRAS	SOLE	CRIM	GIEI	RFPW	ILMG	PRSI	CRIM	GIEI	RFPW	ILMG	PRSI
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	82	10	100	98	72	95	5	95	98	80	95
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
1C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
2A	ALACHLOR	4.00 E	3.500 LB/AC	PRE	92	92	12	92	100	92	92	0	78	98	88	80
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
2C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	72	8	98	95	80	75	0	88	90	78	78
3B	LINURON	4.00 L	1.000 LB/AC	PRE												
3C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
4A	ALACHLOR	4.00 MF	2.500 LB/AC	PRE	100	95	8	100	98	92	95	5	98	98	98	98
4B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
4C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
5A	ALACHLOR	4.00 MF	3.500 LB/AC	PRE	98	92	8	98	100	84	95	0	98	98	90	95
5B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
5C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
6A	ALACHLOR	4.00 ME	2.500 LB/AC	PRE	95	80	8	95	100	80	82	0	98	100	88	90
6B	LINURON	4.00 L	1.000 LB/AC	PRE												
6C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
7A	CP 55097	8.00 EC	2.000 LB/AC	PRE	94	88	15	98	98	80	95	2	98	95	72	98
7B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
7C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
8A	CP 55097	8.00 EC	2.500 LB/AC	PRE	98	88	12	98	90	88	92	5	95	88	88	90
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
8C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
9A	CP 55097	8.00 EC	3.000 LB/AC	PRE	100	95	12	100	98	90	98	5	100	98	82	90
9B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
9C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
10A	CP 55097	8.00 EC	2.500 LB/AC	PRE	100	88	10	100	100	82	100	5	100	100	80	95
10B	LINURON	4.00 L	1.000 LB/AC	PRE												
10C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
11A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	78	10	100	100	70	92	2	100	100	52	100
11B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
11C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
12A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	85	15	98	88	82	84	5	98	92	82	95
12B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
12C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												

**Table 31: continued**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 29-----						-----JULY 29-----					
					GRAS	PILE	CRIN	GIEI	RPOA	ILMG	PKSI	CRIN	GIEI	RPOA	ILMG	PKSI
13A	DRYZALIN	4.00 AS	1.000 LB/AC	PPE	99	88	12	98	98	54	95	20	95	92	75	88
13B	METRIBUZIN	75.00 DF	.500 LB/AC	PPE												
13C	GLYPHOSATE	4.00 E	1.500 LB/AC	SDP												
14	GLYPHOSATE	4.00 E	1.500 LB/AC	SDP	30	58	8	80	50	33	62	0	88	60	65	68
			LSD(05):		8	15	NS	8	11	17	10	NS	7	9	27	20

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 50 N, 60 P, 60 K PH: 6.7 O.M.: 4.0%  
 DATE PLANTED: JUNE 1 DATE TREATED: SDP MAY 25  
 VARIETY: WILLIAMS PRE JUNE 1

**Table 32: Soybean—Eastern Black Nightshade—Preemergence and Postemergence**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVAL. 4 WEEK-----					--EVAL. 8 WEEK--		
					GRAS	BBLE	CRIN	COLQ	HLNS	CRIN	COLQ	HLNS
1	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	50	0	50	83	3	40	80
2	ALACHLOR	4.00 E	3.000 LB/AC	PRE	100	57	0	60	93	0	33	80
3	ALACHLOR	4.00 E	4.000 LB/AC	PRE	100	70	0	80	87	0	33	63
4A	AC 214	1.50 AS	.130 LB/AC	PRE	97	80	17	87	93	13	77	90
4B	ALACHLOR	4.00 E	2.500 LB/AC	PRE								
5A	AC 214	1.50 AS	.190 LB/AC	PRE	97	90	3	90	97	7	83	87
5B	ALACHLOR	4.00 E	2.500 LB/AC	PRE								
6A	AC 214	1.50 AS	.250 LB/AC	PRE	97	87	17	90	97	17	83	90
6B	ALACHLOR	4.00 E	2.500 LB/AC	PRE								
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	90	0	100	100	3	43	97
7B	LINURON	4.00 L	1.000 LB/AC	PRE								
8A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	100	90	30	97	97	0	87	97
8B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
8C	TRITON AG 95 SURFACT	.00 WA	.130 %	MP								
9	AC 214	1.50 AS	.130 LB/AC	PRE	97	80	13	77	93	7	50	57
10	AC 214	1.50 AS	.190 LB/AC	PRE	93	87	17	87	93	3	57	80
11	AC 214	1.50 AS	.250 LB/AC	PRE	97	77	20	77	93	10	70	90
12	DPX F6025	75.00 DF	.030 LB/AC	PRE	43	33	0	33	37	0	23	33
13	DPX F6025	75.00 DF	.060 LB/AC	PRE	47	37	0	43	43	0	40	53
14	FMC 57020	4.00 EC	1.000 LB/AC	PRE	100	73	3	90	77	0	87	50
15	FMC 57020	4.00 EC	1.250 LB/AC	PRE	100	83	0	97	87	0	87	70
16A	FMC 57020	4.00 EC	1.000 LB/AC	PRE	100	97	0	100	100	0	93	100
16B	LINURON	4.00 L	.500 LB/AC	PRE								
17	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	33	0	63	70	5	40	63
18	METOLACHLOR	8.00 E	3.000 LB/AC	PRE	100	57	0	60	67	0	33	53
19	METOLACHLOR	8.00 E	4.000 LB/AC	PRE	100	43	0	57	77	0	33	73



Table 32: continued

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVAL. 4 WEEK-----					--EVAL. 8 WEEK--		
					GRAS	BYLE	CRIN	COLQ	BLNS	CRIN	COLQ	BLNS
20A	PPG-544	2.00 E	.200 LB/AC	MP	100	57	0	57	87	0	47	87
20B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP								
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
21A	PPG-544	2.00 E	.200 LB/AC	MP	90	83	7	83	83	0	40	87
21B	SETHOXYDIM	1.53 EC	.200 LB/AC	LP								
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
22A	PPG 1013	.25 EC	.030 LB/AC	MP	93	53	0	53	90	0	47	87
22B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP								
22C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
23A	PPG 1013	.25 EC	.030 LB/AC	MP	100	90	7	90	93	0	50	73
23B	SETHOXYDIM	1.53 EC	.200 LB/AC	LP								
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
24A	BENAZOLIN	4.00 E	.250 LB/AC	MP	97	90	3	93	93	0	83	93
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
24C	SETHOXYDIM	1.53 EC	.200 LB/AC	LP								
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
25A	BENAZOLIN	4.00 E	.250 LB/AC	MP	93	77	27	77	93	0	83	87
25B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
25C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
25D	SETHOXYDIM	1.53 EC	.200 LB/AC	LP								
25E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
26A	BENAZOLIN	4.00 E	.380 LB/AC	MP	93	90	23	97	100	0	90	83
26B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
26C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
26D	SETHOXYDIM	1.53 EC	.200 LB/AC	LP								
26E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
27	CHECK (CULTIVATE))	.00 CK	.000		100	100	0	100	100	0	100	100
28	CHECK (CULTIVATE))	.00 CK	.000									
			LSO(05):		7	13	6	11	11	5	14	15

## Table 32: continued

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.7 O.M.: 3.4%

DATE PLANTED: MAY 16	DATE TREATED: PRE MAY 16
VARIETY: WILLIAMS	MP JUNE 12

4 WEEK PREEMERGENCE EVALUATION JUNE 26  
4 WEEK POSTEMERGENCE EVALUATION JULY 10  
8 WEEK PREEMERGENCE EVALUATION JULY 26  
8 WEEK POSTEMERGENCE EVALUATION AUGUST 10

**Table 33: Soybean—Eastern Black Nightshade—Preplant Incorporated**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVAL. 4 WEEKS -----			--EVAL. 8 WEEK --				
					GRAS	URLE	CRIN	COLQ	BLNS	CRIN	COLQ	BLNS
1	ALACHLOR	4.00 E	2.500 LB/AC	PPI	100	77	13	77	97	10	70	83
2	ALACHLOR	4.00 E	3.000 LB/AC	PPI	100	80	17	90	97	10	73	77
3	ALACHLOR	4.00 E	4.000 LB/AC	PPI	100	80	10	87	83	7	83	80
4A	AC 214	1.50 AS	.130 LB/AC	PPI	100	90	13	100	100	7	100	100
4B	ALACHLOR	4.00 E	2.500 LB/AC	PPI								
5A	AC 214	1.50 AS	.190 LB/AC	PPI	100	97	13	97	100	7	97	100
5B	ALACHLOR	4.00 E	2.500 LB/AC	PPI								
6A	AC 214	1.50 AS	.250 LB/AC	PPI	100	97	17	97	100	10	97	100
6B	ALACHLOR	4.00 E	2.500 LB/AC	PPI								
7A	ALACHLOR	4.00 E	3.000 LB/AC	PHE	100	93	3	97	97	3	97	93
7B	METRIBUZIN	75.00 DF	.380 LB/AC	PPI								
8A	ALACHLOR	4.00 E	2.500 LB/AC	PPI	33	30	0	33	30	0	50	30
8B	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI								
9A	ALACHLOR	4.00 E	2.000 LB/AC	PPI	100	80	0	83	90	0	67	77
9B	SURFLAN + VERNAM	3.00 E	.750 LB/AC	PPI								
10	AC 214	1.50 AS	.130 LB/AC	PPI	97	83	17	93	93	13	90	87
11	AC 214	1.50 AS	.190 LB/AC	PPI	93	90	13	93	100	7	90	97
12	AC 214	1.50 AS	.250 LB/AC	PPI	100	90	20	93	97	10	90	100
13	FMC 57020	4.00 EC	1.000 LB/AC	PPI	100	77	0	93	80	0	90	63
14	FMC 57020	4.00 EC	1.250 LB/AC	PPI	100	83	0	93	83	0	93	77
15	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	100	93	7	97	93	3	93	97
16A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	67	57	13	57	60	7	53	60
16B	METOLACHLOR	8.00 E	2.000 LB/AC	PPI								
17A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	97	90	10	93	93	7	90	87
17B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								
18A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	100	93	10	93	97	7	90	97
18B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								

Table 33: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVAL. 4 WEEKS -----					--EVAL. 8 WEEK --		
					GRAS	BRLE	CRIN	COLQ	BLNS	CRIN	COLQ	BLNS
19A	ETHALFLURALIN	3.00 E	1.310 LB/AC	PPI	53	60	13	63	60	7	63	60
19B	METRIBUZIN	75.00 DF	.500 LB/AC	PPI								
20A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	93	90	17	97	97	10	97	90
20B	LINURON	4.00 L	1.000 LB/AC	PRE								
21A	ETHALFLURALIN	3.00 E	1.120 LB/AC	PPI	100	100	0	100	100	0	83	83
21B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
21C	TRITON AG 95 SURFACT	.00 WA	.130 %	MP								
22	SURFLAN + VERNAM	3.00 E	.750 LB/AC	PPI	97	70	0	87	73	0	77	70
23	SURFLAN + VERNAM	3.00 E	.940 LB/AC	PPI	97	73	0	70	80	0	67	67
24A	SURFLAN + VERNAM	3.00 E	.750 LB/AC	PPI	97	77	20	90	83	13	80	70
24B	METRIBUZIN	75.00 DF	.380 LB/AC	PPI								
25	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	100	67	0	83	87	0	63	60
26	METOLACHLOR	8.00 E	3.000 LB/AC	PPI	100	77	7	77	87	7	67	87
27	METOLACHLOR	8.00 E	4.000 LB/AC	PPI	100	70	13	67	90	7	63	80
28	CHECK (CULTIVATED)	.00 CK	.000		100	97	0	100	97	0	100	100
LSD(05):					31	30	14	32	29	8	32	30

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.7 O.M.: 3.4%  
 DATE PLANTED: MAY 16 DATE TREATED: PPI MAY 16  
 VARIETY: WILLIAMS PRE MAY 16  
 MP JUNE 12

4 WEEK PREEMERGENCE EVALUATION JUNE 26  
 4 WEEK POSTEMERGENCE EVALUATION JULY 10  
 5 WEEK PREEMERGENCE EVALUATION JULY 26  
 5 WEEK POSTEMERGENCE EVALUATION AUGUST 10

**Table 34: No-Tillage Soybeans**

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 3						SEPT. 6					
					GRAS	HRLE	CRIN	GIEI	FAPA	PESW	CORN	CRIN	GIEI	FAPA	PESW	CORN
1A	ALACHLOR	4.00 E	5.000 LB/AC	PRE	100	93	0	87	100	90	100	0	93	93	80	90
1B	GLYPHOSATE	4.00 F	1.500 LB/AC	PRE												
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	50	77	0	57	50	77	90	0	13	17	0	30
2B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
2C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	80	0	83	90	80	97	0	63	53	0	33
3B	LINURON	4.00 L	.750 LB/AC	PRE												
3C	PARAQUAT	2.00 E	.250 LB/AC	PRE												
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	100	0	93	93	100	100	0	90	63	80	90
4B	LINURON	4.00 L	1.000 LB/AC	PRE												
4C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	50	33	0	63	67	17	57	0	30	30	0	0
5B	PPG-844	2.00 E	.250 LB/AC	PRE												
5C	DTL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	33	33	0	67	33	33	33	0	67	33	30	30
6B	PPG-844	2.00 E	.250 LB/AC	PRE												
6C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	30	3	0	33	30	3	3	0	33	30	0	0
7B	PPG-844	2.00 E	.400 LB/AC	PRE												
7C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	63	0	97	87	43	80	0	97	73	0	67
8B	PPG-844	2.00 E	.250 LB/AC	PRE												
8C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	77	0	93	90	67	100	0	90	53	33	33
9B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
9C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
9D	PPG-844	2.00 E	.200 LB/AC	EP												
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	100	0	87	90	100	100	0	63	63	60	70
10B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE												
10C	PARAQUAT	2.00 F	.250 LB/AC	PRE												
10D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	93	0	97	97	100	100	0	87	83	77	100
11B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE												
11C	PARAQUAT 2	2.00 S	.250 LB/AC	PRE												
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												

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Table 34: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 3						SEPT. 6					
					GRAS	WHE	CRIN	GIFI	FAPA	PSGN	CORN	CRIN	GIFI	FAPA	PSGN	CORN
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	57	0	0	67	67	0	0	0	33	33	20	33
12B	LINURON	4.00 L	1.000 LB/AC	PRE												
12C	PARAQUAT 2	2.00 S	.250 LB/AC	PRE												
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	23	23	0	23	23	30	33	0	0	0	0	0
13B	PPG 1013	.25 EC	.200 LB/AC	PRE												
13C	UTL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	53	87	0	63	50	55	100	0	0	0	27	33
14B	PPG 1013	.25 EC	.300 LB/AC	PRE												
14C	UTL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
15A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	53	60	0	87	90	60	97	0	33	33	0	33
15B	PPG 1013	.25 EC	.200 LB/AC	PRE												
15C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
16A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	33	47	0	33	33	57	53	0	30	30	30	30
16B	PPG 1013	.25 EC	.300 LB/AC	PRE												
16C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
17A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	60	80	0	60	63	73	100	0	30	30	0	0
17B	PPG 1013	.25 EC	.200 LB/AC	PRE												
17C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
17D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
18A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	53	57	0	90	77	47	77	0	23	23	0	0
18B	PPG 1013	.25 EC	.300 LB/AC	PRE												
18C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
18D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
19A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	53	63	0	80	63	65	53	0	0	0	0	0
19B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
19C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
19D	PPG 1013	.25 EC	.300 LB/AC	EP												
20A	AC 214	1.50 AS	.130 LB/AC	PRE	100	100	0	100	100	100	100	0	100	100	100	100
20B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE												
21A	AC 214	1.50 AS	.190 LB/AC	PRE	100	97	0	100	100	97	97	0	93	93	93	93
21B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE												
22A	AC 214	1.50 AS	.250 LB/AC	PRE	100	97	0	100	67	60	67	3	93	93	93	93
22B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE												

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Table 34: continued

TRT TUL	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 3						SEPT. 6					
					GRAS	SMLE	GRIN	GIEI	FAPA	PESW	QRQA	GRIN	GIEI	FAPA	PESW	QRQA
23A	AC 214	1.50 AS	.130 LB/AC	PRE	100	87	0	100	100	87	97	7	97	97	77	57
23B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE												
24A	AC 214	1.50 AS	.190 LB/AC	PRE	57	90	0	67	67	93	97	3	60	60	90	90
24B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE												
25A	AC 214	1.50 AS	.250 LB/AC	PRE	100	83	0	100	100	93	93	0	100	97	83	83
25B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE												
26A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	97	80	0	97	97	77	87	0	100	90	40	100
26B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
26C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
27A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	97	93	0	97	97	93	93	0	97	97	90	93
27B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE												
28A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	97	97	0	97	97	97	97	0	100	100	97	93
28B	SC 0224	4.00 LC	1.500 LB/AC	PRE												
29A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	97	70	0	100	97	50	97	0	93	83	7	30
29B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE												
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
30A	SETHOXYDIM	1.53 EC	1.000 LB/AC	PRE	33	60	0	33	33	50	63	0	30	23	30	67
30B	DIVISEB	3.00 E	1.500 LB/AC	PRE												
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
31A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	93	93	0	93	100	90	100	0	93	73	67	97
31B	BRXOXYNIL 2	2.00 E	.250 LB/AC	PRE												
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
32A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	93	83	0	97	93	83	63	0	67	67	27	27
32B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE												
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
33A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	90	87	0	90	93	93	97	0	80	47	60	97
33B	LIVURON	4.00 L	1.000 LB/AC	PRE												
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
34A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	93	87	0	97	93	87	87	0	33	33	0	0
34B	CLOPROXYDIM	4.00 E	.150 LB/AC	MP												
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
35A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	93	90	0	97	93	97	63	0	93	83	93	33
35B	CLOPROXYDIM	4.00 E	.200 LB/AC	MP												
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												

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Table 34: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 3						SEPT. 6					
					GRAS	BRLE	CRIN	GFEL	FAPA	PESW	CORN	CRIN	GFEL	FAPA	PESW	CORN
36A	METRIBUZIN I	4.00 F	.500 LB/AC	PRE	100	23	0	100	100	20	27	0	100	100	0	0
36B	CLOPROXYDIM	4.00 F	.300 LB/AC	MP												
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
37A	METRIBUZIN I	4.00 F	.500 LB/AC	PRE	93	73	0	90	90	90	0	0	100	83	30	0
37B	CLOPROXYDIM	4.00 E	.300 LB/AC	MP												
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
37D	CLOPROXYDIM	4.00 E	.200 LB/AC	SFW												
37E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SFW												
38A	METRIBUZIN I	4.00 F	.500 LB/AC	PRE	97	97	0	97	100	100	97	0	60	60	97	90
38B	HDE 561	1.67 E	.500 LB/AC	PRE												
38C	HDE 33171	.75 EC	.200 LB/AC	MP												
39A	METRIBUZIN I	4.00 F	.500 LB/AC	PRE	100	93	0	100	100	90	100	0	100	80	63	97
39B	HDE 561	1.67 E	.750 LB/AC	PRE												
39C	HDE 33171	.75 EC	.200 LB/AC	MP												
40A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	93	90	0	97	83	93	97	0	97	50	67	93
40B	METRIBUZIN I	4.00 F	.380 LB/AC	PRE												
40C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
40D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
41A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	93	93	0	93	87	63	97	0	67	30	33	100
41B	LINURON	4.00 L	.750 LB/AC	PRE												
41C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
41D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
42A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	90	97	0	93	100	97	100	0	33	20	33	33
42B	HDE 39866	1.78 EC	1.000 LB/AC	PRE												
43A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	97	0	100	100	97	97	0	93	80	63	77
43B	HDE 39866	1.78 EC	1.300 LB/AC	PRE												
44A	HDE 561	1.67 E	.500 LB/AC	PRE	100	100	0	100	100	100	100	0	100	87	97	100
44B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE												
44C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
45A	HDE 561	1.67 E	.750 LB/AC	PRE	90	90	0	93	90	90	97	0	67	43	27	67
45B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE												
45C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
46A	HDE 561	1.67 E	1.000 LB/AC	PRE	93	100	0	93	97	100	100	0	83	53	83	100
46B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE												
46C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												



Table 34: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MEIH	AUGUST 3						SEPT. 6					
					GRAS	BRLE	CRIN	GIEI	EAPA	PESW	QORW	CRIN	GIEI	EAPA	PESW	QORW
47A	FLUAZIFOP BUTYL	4.00 E	.250	LR/AC MP	50	43	0	50	53	40	70	0	40	30	30	27
47B	BENTAZON	4.00 E	1.000	LR/AC MP												
47C	OIL CONCENTRATE	.00 AD	1.000	WT/AC MP												
48A	BENTAZON	4.00 E	1.000	LR/AC MP	37	43	0	30	27	43	47	0	83	67	33	0
48B	OIL CONCENTRATE	.00 AD	1.000	WT/AC MP												
48C	FLUAZIFOP BUTYL	4.00 E	.250	LR/AC LP												
48D	OIL CONCENTRATE	.00 AD	1.000	WT/AC LP												
49A	BENTAZON	4.00 E	1.000	LR/AC MP	57	67	0	53	60	57	70	0	93	93	23	23
49B	ACIFLUORFEN	2.00 L	.500	LR/AC MP												
49C	OIL CONCENTRATE	.00 AD	.500	WT/AC MP												
49D	FLUAZIFOP BUTYL	4.00 E	.250	LR/AC LP												
49E	OIL CONCENTRATE	.00 AD	1.000	WT/AC LP												
50A	ORYZALIN	4.00 AS	1.000	LR/AC PRE	97	97	0	97	97	97	100	0	90	77	87	97
50B	METRIBUZIN 1	4.00 F	.500	LR/AC PRE												
50C	HOE 561	1.67 E	.500	LR/AC PRE												
51A	ORYZALIN	4.00 AS	1.000	LR/AC PRE	100	90	3	100	100	57	97	0	100	100	23	57
51B	METRIBUZIN 1	4.00 F	.500	LR/AC PRE												
51C	HOE 561	1.67 E	.750	LR/AC PRE												
52A	ORYZALIN	4.00 AS	1.000	LR/AC PRE	100	97	13	100	100	97	97	0	97	97	63	63
52B	METRIBUZIN 1	4.00 F	.500	LR/AC PRE												
52C	HOE 561	1.67 E	1.000	LR/AC PRE												
53A	DNACJ 453	2.00 E	.130	LR/AC PRE	97	60	0	97	67	53	33	0	100	73	0	0
53B	LINURON	4.00 L	1.000	LR/AC PRE												
53C	OIL CONCENTRATE	.00 AD	1.000	WT/AC PRE												
54A	DNACJ 453	2.00 E	.250	LR/AC PRE	97	87	0	97	97	57	60	0	97	97	30	30
54B	LINURON	4.00 L	1.000	LR/AC PRE												
54C	OIL CONCENTRATE	.00 AD	1.000	WT/AC PRE												
55A	PARAJUAT PLUS	2.00 E	.250	LR/AC PRE	93	87	0	100	93	57	100	0	67	47	57	100
55B	X-77 (SURFACTANT)	.50 WA	.250	% PRE												
55C	DNACJ 453	2.00 E	.130	LR/AC MP												
55D	BENTAZON	4.00 E	1.000	LR/AC MP												
55E	OIL CONCENTRATE	.00 AD	1.000	WT/AC MP												
56A	LINURON	4.00 L	1.000	LR/AC PRE	93	97	0	100	93	97	100	0	97	57	93	93
56B	PARAJUAT PLUS	2.00 E	.250	LR/AC PRE												
56C	X-77 (SURFACTANT)	.50 WA	.250	% PRE												
56D	DNACJ 453	2.00 E	.130	LR/AC MP												
56E	BENTAZON	4.00 E	1.000	LR/AC MP												
56F	OIL CONCENTRATE	.00 AD	1.000	WT/AC MP												

Table 34: continued

TRT	PERSISTENCE	TREATMENT	FORMULA	RATE	APPL	AUGUST 4						SEPT. 5					
						GRAS	CRLE	CRIV	GIEI	FAPA	PESM	QURM	CRIV	GIEI	FAPA	PESM	QURM
574		GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	100	100	0	100	100	100	100	0	97	97	97	97
575		FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	MP												
576		HEPTAZON	4.00 E	1.000 LB/AC	MP												
577		OIL CONCENTRATE	2.00 AB	1.000 BT/AC	MP												
584		CP 55097	4.00 EC	2.500 LB/AC	PRE	100	97	13	100	100	97	100	0	100	97	83	97
585		GLYPHOSATE	4.00 E	1.500 LB/AC	PRE												
594		HOE 561	1.67 E	.750 LB/AC	PRE	100	100	0	100	100	100	100	0	63	53	100	100
595		HOE 33171	.75 EC	.200 LB/AC	MP												
596		HEPTAZON	4.00 E	1.000 LB/AC	MP												
597		ADIFLORPFEV	2.00 L	.500 LB/AC	MP												
504		NORFLURAZON	80.00 WP	1.000 LB/AC	PRE	93	97	33	93	97	97	97	33	97	97	97	87
505		METRIBUZIN D	4.00 E	.250 LB/AC	PRE												
506		GLYPHOSATE	4.00 E	1.500 LB/AC	PRE												
LSD(05):						42	35	8	44	46	40	44	7	53	55	48	54

124

LOCATION: PRINCETON KY  
 FERTILIZATION (LB/AC): 50 N, 60 P, 60 K  
 DATE PLANTED: JUNE 22  
 VARIETY: ESSEX

SOIL TYPE: ZANESVILLE SILT LOAM  
 PH: 5.6 O.M.: 2.3%  
 DATE TREATED: PRE JULY 3  
 EP, MP JULY 20  
 LP, SEQ AUG 9

Table 35: Johnsongrass in Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1		---AUG 12---	
					CR14	10GR	CR14	10GR
1A	Y 5202	.80 L	.060 LB/AC	18J	0	92	0	95
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
2A	Y 5202	.40 L	.125 LB/AC	18J	0	98	0	98
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
3A	Y 5202	.40 L	.060 LB/AC	18J	0	98	0	90
3B	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
4A	Y 5202	.40 L	.125 LB/AC	18J	0	99	0	98
4B	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
5A	Y 5202	.40 L	.125 LB/AC	18J	0	82	0	90
5B	OPX F6025	75.00 DF	.004 LB/AC	18J				
5C	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
6A	Y 5202	.40 L	.180 LB/AC	18J	0	90	0	95
6B	OPX F6025	75.00 DF	.004 LB/AC	18J				
6C	X-77 (SURFACTANT)	.50 WA	.250 %	18J				
7A	Y 5202	.40 L	.125 LB/AC	18J	0	95	0	100
7B	BENTAZON	4.00 E	.500 LB/AC	18J				
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
8A	Y 5202	.40 L	.125 LB/AC	18J	0	92	0	95
8B	BENTAZON	4.00 E	1.000 LB/AC	18J				
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
9	URI 1484	2.00 L	1.000 LB/AC	LLP	0	10	0	0
10	URI 1484	2.00 L	1.500 LB/AC	LLP	9	10	0	0
11A	URI 1484	2.00 L	1.000 LB/AC	LLP	2	80	0	92
11B	FLUAZIFOP BUTYL	4.00 E	.200 LB/AC	LLP				
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
12A	URI 1484	2.00 L	1.500 LB/AC	LLP	0	85	0	82
12B	FLUAZIFOP BUTYL	4.00 E	.200 LB/AC	LLP				
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
13A	URI 1484	2.00 L	1.000 LB/AC	LLP	0	85	0	68
13B	SETHOXYDIM	1.53 EC	.200 LB/AC	LLP				
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
14A	URI 1484	2.00 L	1.500 LB/AC	LLP	0	82	0	75
14B	SETHOXYDIM	1.53 EC	.200 LB/AC	LLP				
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				

Table 35: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---JULY 1		---AUG 12 -	
					CRIN	JOGR	CRIN	JOGR
15A	BENTAZON	4.00 E	.750 LB/AC	3"R	0	95	0	90
15B	ACIFLUORFEN	2.00 L	.500 LB/AC	3"R				
15C	OIL CONCENTRATE	.00 AD	.500 QT/AC	3"R				
15D	SETHOXYDIM	1.53 EC	.200 LB/AC	5"R				
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5"R				
16A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	98
16B	DDACD 453	2.00 E	.060 LB/AC	15J				
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
17A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	100
17B	DDACD 453	2.00 E	.130 LB/AC	15J				
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
18A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	100
18B	DDACD 453	2.00 E	.190 LB/AC	15J				
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
19A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	95
19B	DDACD 453	2.00 E	.250 LB/AC	15J				
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
20A	BENTAZON	4.00 E	.750 LB/AC	3"R	0	95	0	92
20B	ACIFLUORFEN	2.00 L	.500 LB/AC	3"R				
20C	SETHOXYDIM	1.53 EC	.300 LB/AC	3"R				
20D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3"R				
21A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	100
21B	BENTAZON	4.00 E	.750 LB/AC	15J				
21C	DDACD 453	2.00 E	.130 LB/AC	15J				
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
22A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	19	75	0	88
22B	BENTAZON	4.00 E	.750 LB/AC	15J				
22C	DDACD 453	2.00 E	.190 LB/AC	15J				
22D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
23A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	95
23B	BENTAZON	4.00 E	.750 LB/AC	15J				
23C	DDACD 453	2.00 E	.250 LB/AC	15J				
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
24A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	95	0	92
24B	ACIFLUORFEN	2.00 L	.500 LB/AC	15J				
24C	DDACD 453	2.00 E	.130 LB/AC	15J				
24D	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				

Table 35: continued

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1		---AUG 12---	
					CRIN	IGR	CRIN	IGR
25A	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE	0	100	0	92
25B	ACIFLUORFEN	2.00 L	.500 LB/AC	15J				
25C	ORACD 453	2.00 E	.190 LB/AC	15J				
25D	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				
26A	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE	0	98	0	90
26B	ACIFLUORFEN	2.00 L	.500 LB/AC	15J				
26C	ORACD 453	2.00 E	.250 LB/AC	15J				
26D	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				
27A	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE	0	100	0	95
27B	HENTAZON	4.00 E	.750 LB/AC	15J				
27C	ACIFLUORFEN	2.00 L	.250 LB/AC	15J				
27D	ORACD 453	2.00 E	.130 LB/AC	15J				
27E	OIL CONCENTRATE	.00 AD	.500 QT/AC	15J				
28A	CLUPROXYDIN	4.00 E	.260 LB/AC	MP	0	48	0	80
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
29A	CLUPROXYDIN	4.00 E	.300 LB/AC	MP	0	82	0	88
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
30	HDE 33171	.75 EC	.150 LB/AC	LP	0	95	0	95
31A	HDE 33171	.75 EC	.150 LB/AC	LP	0	92	0	90
31B	HENTAZON	4.00 E	.750 LB/AC	LP				
32A	HDE 33171	.75 EC	.150 LB/AC	LP	0	90	0	90
32B	ACIFLUORFEN	2.00 L	.250 LB/AC	LP				
33A	HDE 33171	.75 EC	.200 LB/AC	LP	0	85	0	88
33B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP				
34A	HDE 33171	.75 EC	.200 LB/AC	LP	0	90	0	88
34B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP				
34C	HENTAZON	4.00 E	.750 LB/AC	LP				
35A	FLAZAZIFOP BUTYL	4.00 E	.250 LB/AC	15J	0	100	0	95
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
36A	FLAZAZIFOP BUTYL	4.00 E	.250 LB/AC	15J	0	98	0	100
36B	HENTAZON	4.00 E	1.000 LB/AC	15J				
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
37A	FLAZAZIFOP BUTYL	4.00 E	.250 LB/AC	LP	0	80	0	85
37B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP				
37C	OIL CONCENTRATE	.00 AD	.500 QT/AC	LP				

Table 35: continued

TRT	HERBICIDE SITE TREATMENT	FORMULA	RATE	APPL METHOD	---JULY---		---AUG---		
					CRIV	JOGR	CRIV	JOGR	
384	BENTAZON	4.00 F	1.000	LB/AC	EP	0	88	0	95
385	OIL CONCENTRATE	.50 AD	1.000	QT/AC	EP				
386	FLUAZIFOP-BUTYL	4.00 E	.250	LB/AC	LLP				
387	OIL CONCENTRATE	.50 AD	1.000	QT/AC	LLP				
394	ACIFLUORFEN	2.00 L	.500	LB/AC	MP	0	95	0	92
395	OIL CONCENTRATE	.50 AD	.500	QT/AC	MP				
396	FLUAZIFOP-BUTYL	4.00 F	.250	LB/AC	LLP				
397	OIL CONCENTRATE	.50 AD	1.000	QT/AC	LLP				
404	SC 1084	4.00 F	.380	LB/AC	MP	0	90	0	95
405	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
414	SC 1084	4.00 E	.500	LB/AC	MP	0	100	0	95
415	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
424	SC 1084	4.00 F	.380	LB/AC	MP	0	92	0	90
425	ACIFLUORFEN	2.00 L	.500	LB/AC	MP				
426	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
434	SC 1084	4.00 E	.500	LB/AC	MP	0	95	0	95
435	ACIFLUORFEN	2.00 L	.500	LB/AC	MP				
436	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
444	SC 1084	4.00 E	.250	LB/AC	MP	0	95	0	90
445	BENTAZON	4.00 E	1.000	LB/AC	MP				
446	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
454	SC 1084	4.00 F	.380	LB/AC	MP	0	98	0	95
455	BENTAZON	4.00 E	1.000	LB/AC	MP				
456	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
464	SC 1084	4.00 E	.500	LB/AC	MP	0	98	0	95
465	BENTAZON	4.00 E	1.000	LB/AC	MP				
466	OIL CONCENTRATE	.50 AD	1.000	QT/AC	MP				
474	PP 005	1.00 F	.063	LB/AC	15J	0	100	0	98
475	OIL CONCENTRATE	.50 AD	1.000	QT/AC	15J				
484	PP 005	1.00 F	.094	LB/AC	15J	0	98	0	95
485	OIL CONCENTRATE	.50 AD	1.000	QT/AC	15J				
494	PP 005	1.00 F	.125	LB/AC	15J	0	100	0	98
495	OIL CONCENTRATE	.50 AD	1.000	QT/AC	15J				

Table 35: continued

TRT	HERBICIDE			APPL	--- JULY 1		--- AUG 12 -	
124	TREATMENT	FORMULA	RATE	MEAS	CRIN	LOGR	CRIN	LOGR
50A	PP 005	1.00 E	.188 LB/AC	15J	0	100	0	100
50B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
51A	PP 005	1.00 E	.031 LB/AC	15J	0	100	0	98
51B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
51C	PP 005	1.00 E	.031 LB/AC	SEU				
51D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEU				
52A	PP 005	1.00 E	.063 LB/AC	15J	0	100	0	98
52B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J				
52C	PP 005	1.00 E	.063 LB/AC	SEU				
52D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEU				
53	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0
54	CHECK (CULTIVATED)	.00 CK	.000		0	100	0	100
LSD(05):					NS	15	0	8

LOCATION: PRINCETON KY SOIL TYPE: CRIDER SILT LOAM  
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 5.2 O.M.: 1.3%  
 DATE PLANTED: MAY 16 DATE TREATED: PRE MAY 16  
 VARIETY: ESSEX 3"X, 5"X PINE 12  
 EP JUNE 14  
 MP JUNE 15  
 15"J JUNE 21  
 LP JUNE 25  
 18"J, LLP JUNE 26  
 SEU JULY 6

TREATMENTS 1-8 18J = 12-24 INCH JOHNSONGRASS  
 TREATMENTS 9-14 LLP = 18 INCH JOHNSONGRASS  
 TREATMENTS 17-27 15J = 15 INCH JOHNSONGRASS  
 TREATMENTS 35, 36, 47-52 15J = 12-18 INCH JOHNSONGRASS  
 3"X = 3 INCH SPADLEAF  
 5"X = 5 INCH GRASS

**Table 36: Johnsongrass in Soybeans Postemergence**

TREATMENT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1		--AUGUST	
					CRIN	WBR	CRIN	WBR
1A	Y 5202	.40 L	.060 LB/AC	MP	0	90	0	80
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
2A	Y 5202	.40 L	.125 LB/AC	MP	0	87	0	87
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
3A	Y 5202	.40 L	.060 LB/AC	LP	0	87	0	97
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
4A	Y 5202	.40 L	.125 LB/AC	LP	0	90	0	97
4B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
5A	Y 5202	.40 L	.060 LB/AC	MP	0	93	0	87
5B	SOY OIL	.00 AD	1.000 QT/AC	MP				
6A	Y 5202	.40 L	.125 LB/AC	MP	0	87	0	90
6B	SOY OIL	.00 AD	1.000 QT/AC	MP				
7A	Y 5202	.40 L	.060 LB/AC	LP	0	93	0	97
7B	SOY OIL	.00 AD	1.000 QT/AC	LP				
8A	Y 5202	.40 L	.125 LB/AC	LP	0	90	0	100
8B	SOY OIL	.00 AD	1.000 QT/AC	LP				
9A	FLUAZIFOP-BUTYL	4.00 E	.130 LB/AC	MP	0	90	0	73
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
10A	FLUAZIFOP-BUTYL	4.00 E	.190 LB/AC	MP	0	83	0	93
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
11A	FLUAZIFOP-BUTYL	4.00 E	.130 LB/AC	LP	0	90	0	93
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
12A	FLUAZIFOP-BUTYL	4.00 E	.190 LB/AC	LP	0	93	0	93
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
13A	FLUAZIFOP-BUTYL	4.00 E	.130 LB/AC	MP	0	90	0	87
13B	SOY OIL	.00 AD	1.000 QT/AC	MP				
14A	FLUAZIFOP-BUTYL	4.00 E	.190 LB/AC	MP	0	93	0	93
14B	SOY OIL	.00 AD	1.000 QT/AC	MP				
15A	FLUAZIFOP-BUTYL	4.00 E	.130 LB/AC	LP	0	90	0	93
15B	SOY OIL	.00 AD	1.000 QT/AC	LP				



Table 36: continued

TRT	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1		--AUGUST 1	
					CRIN	JUGG	CRIN	JUGG
16A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	0	87	0	97
16B	SOY OIL	.00 AD	1.000 QT/AC	LP				
17A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	93	0	83
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
18A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	93	0	100
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
19A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	93	0	93
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
20A	SETHOXYDIM	1.53 EC	.300 LB/AC	LP	0	97	0	97
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
21A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	93	0	87
21B	SOY OIL	.00 AD	1.000 QT/AC	MP				
22A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	90	0	87
22B	SOY OIL	.00 AD	1.000 QT/AC	MP				
23A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	93	0	97
23B	SOY OIL	.00 AD	1.000 QT/AC	LP				
24A	SETHOXYDIM	1.53 EC	.300 LB/AC	LP	0	90	0	97
24B	SOY OIL	.00 AD	1.000 QT/AC	LP				
25A	CLUPROXYDIM	4.00 E	.200 LB/AC	MP	0	93	0	90
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
26A	CLUPROXYDIM	4.00 E	.300 LB/AC	MP	0	90	0	83
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
27A	CLUPROXYDIM	4.00 E	.200 LB/AC	LP	0	93	0	93
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
28A	CLUPROXYDIM	4.00 E	.300 LB/AC	LP	0	93	0	90
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
29A	CLUPROXYDIM	4.00 E	.200 LB/AC	MP	0	90	0	80
29B	SOY OIL	.00 AD	1.000 QT/AC	MP				
30A	CLUPROXYDIM	4.00 E	.300 LB/AC	MP	0	93	0	90
30B	SOY OIL	.00 AD	1.000 QT/AC	MP				

Table 36: continued

TRT NO.	HERBICIDE INFORMATION	FORMULA	RATE	APPL METH	---JULY 1		--AUGUST	
					CRIN	JOGR	CRIN	JOGR
314	CLDPROXYDIM	4.00 E	.200 LB/AC	LP	0	97	0	90
314	SOY OIL	.00 AD	1.000 QT/AC	LP				
324	CLDPROXYDIM	4.00 E	.300 LB/AC	LP	0	90	0	93
324	SOY OIL	.00 AD	1.000 QT/AC	LP				
334	SC 1084	4.00 E	.250 LB/AC	MP	0	93	0	90
334	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
344	SC 1084	4.00 E	.500 LB/AC	MP	0	87	0	97
344	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
354	SC 1084	4.00 E	.250 LB/AC	LP	0	90	0	97
354	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
364	SC 1084	4.00 E	.500 LB/AC	LP	0	93	0	100
364	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
374	SC 1084	4.00 E	.250 LB/AC	MP	0	90	0	83
374	SOY OIL	.00 AD	1.000 QT/AC	MP				
384	SC 1084	4.00 E	.500 LB/AC	MP	0	97	0	93
384	SOY OIL	.00 AD	1.000 QT/AC	MP				
394	SC 1084	4.00 E	.250 LB/AC	LP	0	90	0	90
394	SOY OIL	.00 AD	1.000 QT/AC	LP				
404	SC 1084	4.00 E	.500 LB/AC	LP	0	97	0	100
404	SOY OIL	.00 AD	1.000 QT/AC	LP				
41	AC 214	1.50 AS	.130 LB/AC	PRE	0	60	0	30
42	AC 214	1.50 AS	.190 LB/AC	PRE	0	67	0	33
43	AC 214	1.50 AS	.250 LB/AC	PRE	0	77	0	77
44	AC 214	1.50 AS	.190 LB/AC	MP	0	50	0	10
45	AC 214	1.50 AS	.250 LB/AC	MP	0	57	0	60
46	AC 214	1.50 AS	.380 LB/AC	MP	0	57	0	47
47	AC 214	1.50 AS	.190 LB/AC	LP	0	43	0	10
48	AC 214	1.50 AS	.250 LB/AC	LP	0	50	0	20

Table 36: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--- JULY 1		-- AUGUST	
					CRIN	UGR	CRIN	UGR
49	AD 214	1.50 AS	.380 LB/AC	LP	0	53	0	40
50A	DDACO 453	2.00 E	.130 LB/AC	MP	0	97	0	97
50B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	MP				
51A	DDACO 453	2.00 E	.190 LB/AC	MP	0	93	0	93
51B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	MP				
52A	DDACO 453	2.00 E	.130 LB/AC	LP	0	90	0	100
52B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	LP				
53A	DDACO 453	2.00 E	.190 LB/AC	LP	0	90	0	97
53B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	LP				
54A	DDACO 453	2.00 E	.130 LB/AC	MP	0	93	0	90
54B	SOY OIL	.50 AD	1.000 QT/AC	MP				
55A	DDACO 453	2.00 E	.190 LB/AC	MP	0	90	0	97
55B	SOY OIL	.50 AD	1.000 QT/AC	MP				
56A	DDACO 453	2.00 E	.130 LB/AC	LP	0	97	0	100
56B	SOY OIL	.50 AD	1.000 QT/AC	LP				
57A	DDACO 453	2.00 E	.190 LB/AC	LP	0	93	0	90
57B	SOY OIL	.50 AD	1.000 QT/AC	LP				
58A	HDE 33171	.75 EC	.100 LB/AC	MP	0	93	0	83
58B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	MP				
59A	HDE 33171	.75 EC	.150 LB/AC	MP	0	90	0	97
59B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	MP				
60A	HDE 33171	.75 EC	.100 LB/AC	LP	0	93	0	87
60B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	LP				
61A	HDE 33171	.75 EC	.150 LB/AC	LP	0	87	0	97
61B	OIL CONCENTRATE	.50 AD	1.000 QT/AC	LP				
62A	HDE 33171	.75 EC	.100 LB/AC	MP	0	97	0	83
62B	SOY OIL	.50 AD	1.000 QT/AC	MP				
63A	HDE 33171	.75 EC	.150 LB/AC	MP	0	97	0	87
63B	SOY OIL	.50 AD	1.000 QT/AC	MP				
64A	HDE 33171	.75 EC	.100 LB/AC	LP	0	90	0	93
64B	SOY OIL	.50 AD	1.000 QT/AC	LP				

Table 36: continued

TREATMENT	FORMULA	RATE	APPL METHOD	---JULY 1		--AUGUST	
				CRIN	JOGR	CRIN	JOGR
55A HDE 33171	.75 EC	.150 LB/AC	LP	0	93	0	77
55B SOY OIL	.00 AD	1.000 QT/AC	LP				
56A PP 005	1.00 E	.094 LB/AC	MP	0	93	0	90
56B OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
57A PP 005	1.00 E	.125 LB/AC	MP	0	93	0	97
57B OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
58A PP 005	1.00 E	.094 LB/AC	LP	0	90	0	100
58B OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
59A PP 005	1.00 E	.125 LB/AC	LP	0	93	0	97
59B OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
70A PP 005	1.00 E	.094 LB/AC	MP	0	87	0	90
70B SOY OIL	.00 AD	1.000 QT/AC	MP				
71A PP 005	1.00 E	.125 LB/AC	MP	0	93	0	87
71B SOY OIL	.00 AD	1.000 QT/AC	MP				
72A PP 005	1.00 E	.094 LB/AC	LP	0	93	0	97
72B SOY OIL	.00 AD	1.000 QT/AC	LP				
73A PP 005	1.00 E	.125 LB/AC	LP	0	93	0	100
73B SOY OIL	.00 AD	1.000 QT/AC	LP				
74 CHECK (CULTIVATED)	.00 CK	.000		0	100	0	100
LSO(05):				0	12	0	20

LOCATION: PRINCETON KY  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: MAY 15  
 VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.5 U.M.: 3.0%  
 DATE TREATED: P2E MAY 15  
 MP JUNE 12  
 LP JUNE 17

**Table 37: Johnsongrass Control in Soybeans with Scepter**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1		---SEPT 1	
					CRIN	JOGR	CRIN	JOGR
1	AC 214	1.50 AS	.190 LB/AC	PPI	0	70	0	68
2	AC 214	1.50 AS	.250 LB/AC	PPI	0	75	0	62
3	AC 214	1.50 AS	.380 LB/AC	PPI	0	78	0	75
4	AC 214	1.50 AS	.190 LB/AC	PRE	0	40	0	40
5	AC 214	1.50 AS	.250 LB/AC	PRE	0	60	0	55
6	AC 214	1.50 AS	.380 LB/AC	PRE	0	72	0	60
7	AC 214	1.50 AS	.190 LB/AC	EP	0	25	0	20
8	AC 214	1.50 AS	.250 LB/AC	EP	0	22	0	25
9	AC 214	1.50 AS	.380 LB/AC	EP	0	55	0	62
10	AC 214	1.50 AS	.190 LB/AC	MP	0	62	0	28
11	AC 214	1.50 AS	.250 LB/AC	MP	0	65	0	48
12	AC 214	1.50 AS	.380 LB/AC	MP	0	70	0	50
13A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	10	90	0	92
13B	GLYPHOSATE	.33 WA	.330 %	SAE				
14A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	98	0	98
14B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
15A	FLUAZIFOP BUTYL	4.00 E	.200 LB/AC	MP	0	98	0	95
15B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
16A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI	10	95	0	98
16B	GLYPHOSATE	.33 WA	.330 %	SAE				
17	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0
18	CHECK (CULTIVATED)	.00 CK	.000		0	48	0	100
LSD(.05):					3	31	0	42

**Table 37: continued**

LOCATION: PRINCETON KY SOIL TYPE: CRIDER SILT LOAM  
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.3 O.M.: 1.4%  
DATE PLANTED: MAY 16 DATE TREATED: PPJ MAY 16  
VARIETY: ESSEX PRE MAY 16  
EP JUNE 13  
MP JUNE 25  
SAE JULY 5

**Table 38: Cocklebur Control in Soybeans**

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 12----			--AUG 12--	
					CRIN	COCB	GIR#	CRIN	COCB
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	35	25	0	40
1B	NAVPA/DN	3.00 F	1.500 LB/AC	EP					
2A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	2	82	72	0	92
2B	NAVPA/DN	3.00 F	2.250 LB/AC	MP					
3A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	5	95	100	0	92
3B	NAVPA/DN	3.00 E	3.000 LB/AC	LP					
4A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	0	90	72	0	92
4B	NAVPA/DN	3.00 E	1.500 LB/AC	MP					
4C	2,4-DH	2.00 E	.030 LB/AC	MP					
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	2	98	98	0	95
5B	NAVPA/DN	3.00 E	2.250 LB/AC	LP					
5C	2,4-DH	2.00 E	.030 LB/AC	LP					
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	10	98	90	0	100
6B	NAVPA/DN	3.00 E	3.000 LB/AC	LP					
6C	2,4-DH	2.00 E	.030 LB/AC	LP					
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	12	100	98	0	98
7B	NAVPA/DN	3.00 E	1.500 LB/AC	LP					
7C	2,4-DH	2.00 E	.030 LB/AC	LP					
7D	NAVPA/DN	3.00 E	1.500 LB/AC	100					
7E	2,4-DH	2.00 E	.030 LB/AC	100					
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	92	98	0	92
8B	BEVTAZON	4.00 E	1.000 LB/AC	MP					
8C	OIL CONCENTRATE	.00 AD	1.000 GT/AC	MP					
9A	ALACHLOR	4.00 E	2.500 LB/AC	PPE	0	98	100	0	100
9B	BEVTAZON	4.00 E	.750 LB/AC	MP					
9C	2,4-DH	2.00 E	.030 LB/AC	MP					
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	9	65	68	0	42
10B	XE-39071	1.66 E	.130 LB/AC	MP					
10C	XE 1034	1.00 WA	1.000 %	MP					
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	22	70	100	0	40
11B	XE-39071	1.66 E	.250 LB/AC	MP					
11C	XE 1034	1.00 WA	1.000 %	MP					
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	35	80	98	0	48
12B	XE-39071	1.66 E	.380 LB/AC	MP					
12C	XE 1034	1.00 WA	1.000 %	MP					

Table 38: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 12 ---			--AUG 12 --	
					CRIM	COCB	GRW	CRIM	COCB
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	98	0	90
13B	ACIFLUORFEN	2.00 L	.350 LB/AC	MP					
13C	2,4-DH	2.00 F	.030 LB/AC	MP					
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	75	0	92
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP					
14C	BENTAZONE	4.00 E	.750 LB/AC	MP					
14D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP					
15A	ALACHLOR	4.00 E	1.250 LB/AC	PRE	0	0	25	0	0
15B	NOREFLURAZON	80.00 WP	.500 LB/AC	PRE					
16	AC 214	1.50 AS	.130 LB/AC	PRE	0	100	98	0	100
17	AC 214	1.50 AS	.250 LB/AC	PRE	0	98	100	0	100
18	AC 214	1.50 AS	.130 LB/AC	MP	0	100	50	0	98
19	AC 214	1.50 AS	.250 LB/AC	MP	25	100	75	0	98
20	DPX F6025	75.00 DF	.030 LB/AC	PPF	0	90	98	0	95
21	DPX F6025	75.00 DF	.060 LB/AC	PRE	10	95	100	0	92
22	DPX F6025	75.00 DF	.090 LB/AC	PRE	5	100	75	0	98
23A	DPX F6025	75.00 DF	.010 LB/AC	1TR	0	72	8	0	62
23B	X-77 (SURFACTANT)	.50 WA	.250 %	1TR					
24A	DPX F6025	75.00 DF	.020 LB/AC	1TR	0	98	50	0	95
24B	X-77 (SURFACTANT)	.50 WA	.250 %	1TR					
25	UR1 1484	2.00 L	1.500 LB/AC	LP	0	95	92	0	98
26	UR1 1484	2.00 L	1.500 LB/AC	LLP	8	62	72	0	98
27	UR1 1484	2.00 L	1.500 LB/AC	1RW	2	50	60	0	70
28	UR1 1484	2.00 L	1.500 LB/AC	30W	0	0	25	0	20
29	FMC 57020	4.00 EC	1.500 LB/AC	PRE	0	100	95	0	98
30	FMC 57020	4.00 EC	1.500 LB/AC	PPI	0	92	90	0	92
31A	FMC 57020	4.00 EC	1.000 LB/AC	PRE	0	98	92	0	78
31B	METRIBUZIN 1	4.00 F	.130 LB/AC	PRE					



Table 38: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	----JULY 12 ---			--AUG 12 --	
					CRIN	COCB	GIRW	CRIN	COCB
32A	FMC 57020	4.00 EC	1.000 LB/AC	PPI	0	80	90	0	75
32B	METRIBUZIN 1	4.00 F	.190 LB/AC	PPI					
33A	FMC 57020	4.00 EC	1.000 LB/AC	PRE	0	82	82	0	80
33B	BENTAZON	4.00 E	.380 LB/AC	MP					
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
34A	FMC 57020	4.00 EC	1.000 LB/AC	PRE	0	88	92	0	100
34B	BENTAZON	4.00 E	.500 LB/AC	MP					
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
35A	PP 021	2.00 LC	.250 LB/AC	MP	0	75	100	0	78
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
36A	PP 021	2.00 LC	.310 LB/AC	MP	0	100	100	0	98
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
37A	PP 021	2.00 LC	.380 LB/AC	MP	0	98	98	0	92
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
38A	NORFLURAZON	80.00 WP	1.000 LB/AC	PRE	0	52	75	0	52
38B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE					
39	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0
40	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	0	100
LSD(05):					13	21	40	0	29

LOCATION: PRINCETON KY.  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 16  
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM  
 P4: 6.8 O.M.: 1.37  
 DATE TREATED: PPI MAY 16  
 PRE MAY 16  
 EP, 1TR JUNE 4  
 WP JUNE 9  
 LP JUNE 12  
 LLP, 100 JUNE 22  
 18W JULY 6  
 30W AUG 8

18W = 12-24" WEEDS  
 30W = 24-35" WEEDS

**Table 39: Morningglory Control in Soybeans**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1	
					CRIN	ILMG
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	60
1H	NANPA/DN	3.00 F	1.500 LB/AC	EP		
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80
2B	NANPA/DN	3.00 E	2.250 LB/AC	MP		
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	90
3B	NANPA/DN	3.00 E	3.000 LB/AC	LP		
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	73
4B	NANPA/DN	3.00 E	1.500 LB/AC	MP		
4C	2,4-DB	2.00 E	.030 LB/AC	MP		
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90
5B	NANPA/DN	3.00 E	2.250 LB/AC	LP		
5C	2,4-DB	2.00 E	.030 LB/AC	LP		
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	10	77
6B	NANPA/DN	3.00 E	3.000 LB/AC	LP		
6C	2,4-DB	2.00 E	.030 LB/AC	LP		
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	13	93
7B	NANPA/DN	3.00 E	1.500 LB/AC	LP		
7C	2,4-DB	2.00 E	.030 LB/AC	LP		
7D	NANPA/DN	3.00 E	1.500 LB/AC	100		
7E	2,4-DB	2.00 E	.030 LB/AC	100		
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	53
8B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPE		
8C	METRIBUZIN 1	4.00 F	.500 LB/AC	POD		
8D	X-77 (SURFACIANT)	.50 WA	.250 %	POD		
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	73
9B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE		
9C	METRIBUZIN 1	4.00 F	.500 LB/AC	POD		
9D	2,4-DB	2.00 E	.200 LB/AC	POD		
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	27
10B	RE-33071	1.66 E	.130 LB/AC	MP		
10C	XF 1034	1.00 WA	1.000 %	MP		
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	13	70
11B	RE-33071	1.66 E	.250 LB/AC	MP		
11C	XF 1034	1.00 WA	1.000 %	MP		

Table 39: continued

TRT ID.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1	
					CRIN	ILMG
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	70
12B	XE-39071	1.00 E	.300 LB/AC	MP		
12C	XE 1034	1.00 WA	1.000 %	MP		
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	83
13B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
13C	HENTAZON	4.00 E	.750 LB/AC	MP		
13D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
14A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
14C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
15A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	83
15B	HENTAZON	4.00 E	1.000 LB/AC	MP		
15C	2,4-D	2.00 E	.030 LB/AC	MP		
16A	ALACHLOR	4.00 E	1.250 LB/AC	PRE	0	0
16B	NONFLURAZON	80.00 WP	.500 LB/AC	PRE		
17A	DPX F6025	75.00 DF	.008 LB/AC	COU	0	40
17B	X-77 (SURFACTANT)	.50 WA	.250 %	COU		
18A	DPX F6025	75.00 DF	.008 LB/AC	STR	0	47
18B	X-77 (SURFACTANT)	.50 WA	.250 %	STR		
19A	DPX F6025	75.00 DF	.008 LB/AC	STR	0	27
19B	X-77 (SURFACTANT)	.50 WA	.250 %	STR		
20A	DPX F6025	75.00 DF	.012 LB/AC	COU	0	57
20B	X-77 (SURFACTANT)	.50 WA	.250 %	COU		
21A	DPX F6025	75.00 DF	.012 LB/AC	STR	0	77
21B	X-77 (SURFACTANT)	.50 WA	.250 %	STR		
22A	DPX F6025	75.00 DF	.012 LB/AC	STR	0	23
22B	X-77 (SURFACTANT)	.50 WA	.250 %	STR		
23A	DPX F6025	75.00 DF	.016 LB/AC	COU	0	80
23B	X-77 (SURFACTANT)	.50 WA	.250 %	COU		
24A	DPX F6025	75.00 DF	.016 LB/AC	STR	0	93
24B	X-77 (SURFACTANT)	.50 WA	.250 %	STR		
25A	DPX F6025	75.00 DF	.016 LB/AC	STR	0	23
25B	X-77 (SURFACTANT)	.50 WA	.250 %	STR		

Table 39: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--- JULY 1	
					GRN	LCMS
26	AC 214	1.50 AS	.130 LB/AC	PRE	0	23
27	AC 214	1.50 AS	.250 LB/AC	PRE	0	73
28	AC 214	1.50 AS	.130 LB/AC	MP	0	0
29	AC 214	1.50 AS	.250 LB/AC	MP	0	23
30	FMC 57020	4.00 EC	1.000 LB/AC	PRE	0	10
31	FMC 57020	4.00 EC	1.250 LB/AC	PRE	0	0
32A	PP 021	2.00 LC	.250 LB/AC	MP	0	83
32B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP		
33A	PP 021	2.00 LC	.310 LB/AC	MP	0	73
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
34A	PP 021	2.00 LC	.380 LB/AC	MP	0	87
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
35A	NONFLURAZON	50.00 WP	1.000 LB/AC	PRE	0	0
35B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE		
36	CHECK (CULTIVATE)	.00 CK	.000		0	100

LSD(05): 7 36

LOCATION: PRINCETON KY.  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: MAY 15  
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM  
 0 N, 60 P, 60 K PH: 6.4 O.M.: 1.5%  
 DATE TREATED: PRE MAY 16  
 COO MAY 23  
 EP JUNE 4  
 STR JUNE 11  
 MP JUNE 9  
 LP JUNE 12  
 STR JUNE 22

**Table 40: Annual Grass Control in Soybeans**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---SEPT 1 SLEI	ESDA
1A	Y 6202	.80 L	.060 LB/AC	MP	100	63
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
2A	Y 6202	.80 L	.125 LB/AC	MP	100	100
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
3A	Y 6202	.80 L	.060 LB/AC	LP	57	60
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
4A	Y 6202	.80 L	.125 LB/AC	LP	100	100
4B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
5A	Y 6202	.80 L	.060 LB/AC	MP	57	0
5B	SOY OIL	.00 AD	1.000 QT/AC	MP		
6A	Y 6202	.80 L	.125 LB/AC	MP	90	27
6B	SOY OIL	.00 AD	1.000 QT/AC	MP		
7A	Y 6202	.80 L	.060 LB/AC	LP	100	23
7B	SOY OIL	.00 AD	1.000 QT/AC	LP		
8A	Y 6202	.80 L	.125 LB/AC	LP	100	50
8B	SOY OIL	.00 AD	1.000 QT/AC	LP		
9A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	57	30
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
10A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	100	100
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
11A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	100	100
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
12A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	100	100
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
13A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	50	57
13B	SOY OIL	.00 AD	1.000 QT/AC	MP		
14A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	100	100
14B	SOY OIL	.00 AD	1.000 QT/AC	MP		
15A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	57	60
15B	SOY OIL	.00 AD	1.000 QT/AC	LP		

Table 40: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---SEPT 1	
					QIFI	EAPA
16A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	100	83
16B	SOY OIL	.00 AD	1.000 QT/AC	LP		
17A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	100
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
18A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	57	100
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
19A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	97	97
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
20A	SETHOXYDIM	1.53 EC	.300 LB/AC	LP	100	100
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
21A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	100
21B	SOY OIL	.00 AD	1.000 QT/AC	MP		
22A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	100	100
22B	SOY OIL	.00 AD	1.000 QT/AC	MP		
23A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	100	100
23B	SOY OIL	.00 AD	1.000 QT/AC	LP		
24A	SETHOXYDIM	1.53 EC	.300 LB/AC	LP	100	97
24B	SOY OIL	.00 AD	1.000 QT/AC	LP		
25A	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	100	100
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
26A	CLOPROXYDIM	4.00 E	.300 LB/AC	MP	100	100
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
27A	CLOPROXYDIM	4.00 E	.200 LB/AC	LP	100	100
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
28A	CLOPROXYDIM	4.00 E	.300 LB/AC	LP	33	0
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
29A	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	100	100
29B	SOY OIL	.00 AD	1.000 QT/AC	MP		
30A	CLOPROXYDIM	4.00 E	.300 LB/AC	MP	100	100
30B	SOY OIL	.00 AD	1.000 QT/AC	MP		

Table 40: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---SEPT 1	
					GIFI	EAPA
31A	GLYPHOSATE	4.00 E	.200 LB/AC	LP	67	67
31B	SOY OIL	.00 AD	1.000 QT/AC	LP		
32A	GLYPHOSATE	4.00 E	.300 LB/AC	LP	100	100
32B	SOY OIL	.00 AD	1.000 QT/AC	LP		
33A	SC 1084	4.00 E	.250 LB/AC	MP	100	97
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
34A	SC 1084	4.00 E	.500 LB/AC	MP	67	63
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
35A	SC 1084	4.00 E	.250 LB/AC	LP	100	90
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
36A	SC 1084	4.00 E	.500 LB/AC	LP	100	100
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
37A	SC 1084	4.00 E	.250 LB/AC	MP	100	100
37B	SOY OIL	.00 AD	1.000 QT/AC	MP		
38A	SC 1084	4.00 E	.500 LB/AC	MP	100	100
38B	SOY OIL	.00 AD	1.000 QT/AC	MP		
39A	SC 1084	4.00 E	.250 LB/AC	LP	67	60
39B	SOY OIL	.00 AD	1.000 QT/AC	LP		
40A	SC 1084	4.00 E	.500 LB/AC	LP	100	100
40B	SOY OIL	.00 AD	1.000 QT/AC	LP		
44	AC 214	1.50 AS	.190 LB/AC	MP	100	33
45	AC 214	1.50 AS	.250 LB/AC	MP	100	27
46	AC 214	1.50 AS	.390 LB/AC	MP	67	33
47	AC 214	1.50 AS	.190 LB/AC	LP	67	33
48	AC 214	1.50 AS	.250 LB/AC	LP	100	0

Table 40: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---SEPT 1	
					PLI1	EAPA
49	AD 214	1.50 AS	.350 LB/AC LP		63	0
50A	DOWCO 453	2.00 E	.130 LB/AC MP		100	97
50B	OIL CONCENTRATE	.00 AD	1.000 QT/AC MP			
51A	DOWCO 453	2.00 E	.190 LB/AC MP		100	100
51B	OIL CONCENTRATE	.00 AD	1.000 QT/AC MP			
52A	DOWCO 453	2.00 E	.130 LB/AC LP		100	100
52B	OIL CONCENTRATE	.00 AD	1.000 QT/AC LP			
53A	DOWCO 453	2.00 E	.190 LB/AC LP		100	100
53B	OIL CONCENTRATE	.00 AD	1.000 QT/AC LP			
54A	DOWCO 453	2.00 E	.130 LB/AC MP		100	97
54B	SOY OIL	.00 AD	1.000 QT/AC MP			
55A	DOWCO 453	2.00 E	.190 LB/AC MP		100	100
55B	SOY OIL	.00 AD	1.000 QT/AC MP			
56A	DOWCO 453	2.00 E	.130 LB/AC LP		100	100
56B	SOY OIL	.00 AD	1.000 QT/AC LP			
57A	DOWCO 453	2.00 E	.190 LB/AC LP		100	100
57B	SOY OIL	.00 AD	1.000 QT/AC LP			
58A	HDE 33171	.75 EC	.100 LB/AC MP		100	100
58B	OIL CONCENTRATE	.00 AD	1.000 QT/AC MP			
59A	HDE 33171	.75 EC	.150 LB/AC MP		100	100
59B	OIL CONCENTRATE	.00 AD	1.000 QT/AC MP			
60A	HDE 33171	.75 EC	.100 LB/AC LP		97	60
60B	OIL CONCENTRATE	.00 AD	1.000 QT/AC LP			
61A	HDE 33171	.75 EC	.150 LB/AC LP		97	97
61B	OIL CONCENTRATE	.00 AD	1.000 QT/AC LP			
62A	HDE 33171	.75 EC	.100 LB/AC MP		100	90
62B	SOY OIL	.00 AD	1.000 QT/AC MP			
63A	HDE 33171	.75 EC	.150 LB/AC MP		100	100
63B	SOY OIL	.00 AD	1.000 QT/AC MP			
64A	HDE 33171	.75 EC	.100 LB/AC LP		100	70
64B	SOY OIL	.00 AD	1.000 QT/AC LP			



Table 40: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---SEPT 1	
					GIEI	EAPA
65A	HOE 33171	.75 EC	.150 LB/AC	LP	100	93
65B	SOY OIL	.00 AD	1.000 QT/AC	LP		
66A	PP 005	1.00 E	.094 LB/AC	MP	100	67
66B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
67A	PP 005	1.00 E	.125 LB/AC	MP	100	100
67B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
68A	PP 005	1.00 E	.094 LB/AC	LP	100	67
68B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
69A	PP 005	1.00 E	.125 LB/AC	LP	100	100
69B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
70A	PP 005	1.00 E	.094 LB/AC	MP	100	97
70B	SOY OIL	.00 AD	1.000 QT/AC	MP		
71A	PP 005	1.00 E	.125 LB/AC	MP	97	100
71B	SOY OIL	.00 AD	1.000 QT/AC	MP		
72A	PP 005	1.00 E	.094 LB/AC	LP	100	100
72B	SOY OIL	.00 AD	1.000 QT/AC	LP		
73A	PP 005	1.00 F	.125 LB/AC	LP	100	100
73B	SOY OIL	.00 AD	1.000 QT/AC	LP		
74	CHECK (CULTIVATED)	.00 CK	.000		100	100

LSD(05): NS 48

LOCATION: HENDERSON KY  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: .  
 VARIETY: ?

SOIL TYPE: CRIDER SILT LOAM  
 0 N, 0 P, 0 K PH: 6.5 O.M.: 3.0%  
 DATE TREATED: PRE JULY 26  
 MP JULY 26  
 LP AUG 7

Table 41: Crabgrass Control in Soybeans

TRT	HERBICIDE	FORMULA	RATE	APPL	---A:13 3 -	CRIN	LAGE
TL	TREATMENT			MEIN			
1A	Y 6202	.80 L	.060 LB/AC	MP	0	97	
14	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
2A	Y 6202	.80 L	.125 LB/AC	MP	0	93	
24	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
3A	Y 6202	.80 L	.060 LB/AC	LP	0	87	
34	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP			
4A	Y 6202	.80 L	.125 LB/AC	LP	0	87	
44	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP			
5A	Y 6202	.80 L	.060 LB/AC	MP	0	63	
54	SOY OIL	.00 AD	1.000 QT/AC	MP			
6A	Y 6202	.80 L	.125 LB/AC	MP	0	83	
64	SOY OIL	.00 AD	1.000 QT/AC	MP			
7A	Y 6202	.80 L	.060 LB/AC	LP	0	33	
74	SOY OIL	.00 AD	1.000 QT/AC	LP			
8A	Y 6202	.80 L	.125 LB/AC	LP	0	37	
84	SOY OIL	.00 AD	1.000 QT/AC	LP			
9A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	0	27	
94	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
10A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	0	50	
104	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
11A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	0	47	
114	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP			
12A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	0	83	
124	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP			
13A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	0	0	
134	SOY OIL	.00 AD	1.000 QT/AC	MP			
14A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	0	30	
144	SOY OIL	.00 AD	1.000 QT/AC	MP			
15A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	0	83	
154	SOY OIL	.00 AD	1.000 QT/AC	LP			

Table 41: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---AUG 3---	
					CJIN	LAGE
16A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	0	60
16B	SOY OIL	.00 AD	1.000 QT/AC	LP		
17A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	90
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
18A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	100
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
19A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	83
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
20A	SETHOXYDIM	1.53 EC	.300 LB/AC	LP	0	87
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
21A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	93
21B	SOY OIL	.00 AD	1.000 QT/AC	MP		
22A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	97
22B	SOY OIL	.00 AD	1.000 QT/AC	MP		
23A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	87
23B	SOY OIL	.00 AD	1.000 QT/AC	LP		
24A	SETHOXYDIM	1.53 EC	.300 LB/AC	LP	0	83
24B	SOY OIL	.00 AD	1.000 QT/AC	LP		
25A	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	0	97
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
26A	CLOPROXYDIM	4.00 E	.300 LB/AC	MP	0	100
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
27A	CLOPROXYDIM	4.00 E	.200 LB/AC	LP	0	83
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
28A	CLOPROXYDIM	4.00 E	.300 LB/AC	LP	0	80
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
29A	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	0	100
29B	SOY OIL	.00 AD	1.000 QT/AC	MP		
30A	CLOPROXYDIM	4.00 E	.300 LB/AC	MP	0	97
30B	SOY OIL	.00 AD	1.000 QT/AC	MP		

Table 41: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---A:IG 3 - GRIN	LACC
31A	CLUPROXYDIM	4.00 E	.200 LB/AC	LP	0	40
31B	SOY OIL	.00 AD	1.000 QT/AC	LP		
32A	CLUPROXYDIM	4.00 E	.300 LB/AC	LP	0	80
32B	SOY OIL	.00 AD	1.000 QT/AC	LP		
33A	SC 1084	4.00 E	.250 LB/AC	MP	0	80
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
34A	SC 1084	4.00 E	.500 LB/AC	MP	0	83
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
35A	SC 1084	4.00 E	.250 LB/AC	LP	0	53
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
36A	SC 1084	4.00 E	.500 LB/AC	LP	0	87
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
37A	SC 1084	4.00 E	.250 LB/AC	MP	0	80
37B	SOY OIL	.00 AD	1.000 QT/AC	MP		
38A	SC 1084	4.00 E	.500 LB/AC	MP	0	90
38B	SOY OIL	.00 AD	1.000 QT/AC	MP		
39A	SC 1084	4.00 E	.250 LB/AC	LP	0	90
39B	SOY OIL	.00 AD	1.000 QT/AC	LP		
40A	SC 1084	4.00 E	.500 LB/AC	LP	0	83
40B	SOY OIL	.00 AD	1.000 QT/AC	LP		
41	AC 214	1.50 AS	.130 LB/AC	PRE	0	0
42	AC 214	1.50 AS	.190 LB/AC	PRE	0	3
43	AC 214	1.50 AS	.250 LB/AC	PRE	0	0
44	AC 214	1.50 AS	.190 LB/AC	MP	0	7
45	AC 214	1.50 AS	.250 LB/AC	MP	0	7
46	AC 214	1.50 AS	.380 LB/AC	MP	0	33
47	AC 214	1.50 AS	.190 LB/AC	LP	0	3
48	AC 214	1.50 AS	.250 LB/AC	LP	0	10

Table 41: continued

TRT	HERBICIDE	FORMULA	RATE	APPL	---AUG 3---	
NO.	TREATMENT			METH	CRIM	LAGG
49	AC 214	1.50 AS	.300 LB/AC	LP	0	13
50A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	100
50B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
51A	DOWCO 453	2.00 E	.190 LB/AC	MP	0	100
51B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
52A	DOWCO 453	2.00 E	.130 LB/AC	LP	0	93
52B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
53A	DOWCO 453	2.00 E	.190 LB/AC	LP	0	97
53B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
54A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	93
54B	SOY OIL	.00 AD	1.000 QT/AC	MP		
55A	DOWCO 453	2.00 E	.190 LB/AC	MP	0	97
55B	SOY OIL	.00 AD	1.000 QT/AC	MP		
56A	DOWCO 453	2.00 E	.130 LB/AC	LP	0	90
56B	SOY OIL	.00 AD	1.000 QT/AC	LP		
57A	DOWCO 453	2.00 E	.190 LB/AC	LP	0	90
57B	SOY OIL	.00 AD	1.000 QT/AC	LP		
58A	HDE 33171	.75 EC	.100 LB/AC	MP	0	80
58B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
59A	HDE 33171	.75 EC	.150 LB/AC	MP	0	80
59B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
60A	HDE 33171	.75 EC	.100 LB/AC	LP	0	47
60B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
61A	HDE 33171	.75 EC	.150 LB/AC	LP	0	60
61B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
62A	HDE 33171	.75 EC	.100 LB/AC	MP	0	60
62B	SOY OIL	.00 AD	1.000 QT/AC	MP		
63A	HDE 33171	.75 EC	.150 LB/AC	MP	0	60
63B	SOY OIL	.00 AD	1.000 QT/AC	MP		
64A	HDE 33171	.75 EC	.100 LB/AC	LP	0	70
64B	SOY OIL	.00 AD	1.000 QT/AC	LP		

Table 41: continued

TRT	HERBICIDE			APPL	---AUG 3 -	
TRT	TREATMENT	FORMULA	RATE	METHOD	GRIN	LACG
55A	HDE 33171	.75 EC	.150 LB/AC	LP	0	77
55B	SOY OIL	.00 AD	1.000 QT/AC	LP		
56A	PP 005	1.00 E	.094 LB/AC	MP	0	50
56B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
57A	PP 005	1.00 E	.125 LB/AC	MP	0	97
57B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
58A	PP 005	1.00 E	.094 LB/AC	LP	0	63
58B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
59A	PP 005	1.00 E	.125 LB/AC	LP	0	80
59B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
70A	PP 005	1.00 E	.094 LB/AC	MP	0	77
70B	SOY OIL	.00 AD	1.000 QT/AC	MP		
71A	PP 005	1.00 E	.125 LB/AC	MP	0	67
71B	SOY OIL	.00 AD	1.000 QT/AC	MP		
72A	PP 005	1.00 E	.094 LB/AC	LP	0	80
72B	SOY OIL	.00 AD	1.000 QT/AC	LP		
73A	PP 005	1.00 E	.125 LB/AC	LP	0	77
73B	SOY OIL	.00 AD	1.000 QT/AC	LP		
74	CHECK (CULTIVATED)	.00 CK	.000		0	100
LSD(05):					0	32

LOCATION: PRINCETON KY  
 FERTILIZATION (LB/AC):  
 DATE PLANTED: JUNE 28  
 VARIETY: ?

SOIL TYPE: CRIDER SILT LOAM  
 0 N, 0 P, 0 K P4: 6.5 O.M.: 3.0%  
 DATE TREATED: MP JULY 2  
 LP JULY 13

**Table 42: Eastern Black Nightshade in Soybeans—Henderson County**

TRT	HERBICIDE	LB AI/A	MOA	BLNS
1	LASSO 4E	2.5	PRE	100
2	LASSO 4E	3.0	PRE	100
3	LASSO 4E	2.5	PPI	100
4	LASSO 4E	3.0	PPI	100
5A	LASSO 4E	2.0	PRE	100
5B	LOROX 4L	0.5	PRE	
6A	LASSO 4E	2.0	PRE	100
6B	BLAZER 2L	0.5	MP	
6C	AG 98	0.13%	MP	
7	DUAL 8E	2.5	PRE	97
8	DUAL 8E	3.0	PRE	97
9	DUAL 8E	2.5	PPI	100
10	DUAL 8E	3.0	PPI	100
11A	DUAL 8E	2.0	PRE	100
11B	LOROX 4L	0.5	PRE	
12A	DUAL 8E	2.0	PRE	100
12B	BLAZER 2L	0.5	MP	
12C	AG 98	0.13%	MP	
13A	BLAZER 2L	0.5	MP	100
13B	AG 98	0.13%	MP	
14A	BLAZER 2L	0.38	MP	93
14B	BUTYRAC 200	0.03	MP	
15	DYANAP 3E	2.25	MP	45
16A	DYANAP 3E	1.5	MP	70
16B	BUTYRAC 200	0.03	MP	

**Table 42: continued**

17	SONALAN 3E	0.94	PPI	90
18	SONALAN 3E	1.12	PPI	93
19	AMIBEN 75DS	3.0	PRE	100
20	FURLOE 4E	2.5	PRE	100
21	COBRA 2E	0.2	MP	95
22	SCEPTER	0.13	PRE	85
23	SCEPTER	0.19	PRE	100
24	CLASSIC 75DF	0.03	PRE	0
25	CLASSIC 75DF	0.06	PRE	0
26	COMMAND 4EC	1.0	PRE	95
27	COMMAND 4EC	1.25	PRE	95



**Table 43: Burley Tobacco—Soil and Postemergence Applied Herbicides**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRASS	SMLE	CRIB	GIEI	COLR	3-YS	3-YS	CRAB
1	PEBULATE	5.00 E	4.000 LB/AC	PPI	95	85	0	95	75	82	90	95
2	PERDINETHALIN	4.00 E	1.500 LB/AC	PPI	100	98	5	100	100	100	95	100
3	BENEFIN	1.50 E	1.500 LB/AC	PPI	100	92	0	100	95	90	90	92
4	ISOPROPALIN	5.00 E	1.500 LB/AC	PPI	95	65	2	95	90	72	90	92
5	DIPHENAMID	90.00 W	5.000 LB/AC	PPI	95	85	0	95	82	74	90	85
6	DIPHENAMID	90.00 W	5.000 LB/AC	PPE	100	82	0	100	90	75	88	88
7	SETHOXYDIM	1.53 EC	.300 LB/AC	EP	99	25	0	98	60	92	80	85
8	SETHOXYDIM	1.53 EC	.400 LB/AC	EP	95	49	0	95	52	70	42	75
9A	SETHOXYDIM	1.53 EC	.200 LB/AC	EP	89	58	0	88	68	79	62	83
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
10A	SETHOXYDIM	1.53 EC	.300 LB/AC	EP	99	25	0	98	45	80	30	92
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
11A	SETHOXYDIM	1.53 EC	.400 LB/AC	EP	95	30	2	95	68	95	20	90
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
12A	SETHOXYDIM	1.53 EC	.400 LB/AC	EP	92	72	0	92	82	55	75	90
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
12C	SETHOXYDIM	1.53 EC	.400 LB/AC	14D								
12D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	14D								
13	FMC 57020	4.00 EC	.750 LB/AC	PPE	98	72	0	98	100	92	80	25
14	FMC 57020	4.00 EC	1.000 LB/AC	PPE	100	85	0	100	98	95	88	38
15	FMC 57020	4.00 EC	.750 LB/AC	POT	98	88	2	98	100	98	95	55
16	FMC 57020	4.00 EC	1.000 LB/AC	POT	100	82	2	100	100	100	88	62
17	AC 214	1.50 AS	.130 LB/AC	PPI	100	100	20	100	100	100	100	100
18	AC 214	1.50 AS	.130 LB/AC	PPE	92	100	10	92	100	100	100	100
19	AC 214	1.50 AS	.190 LB/AC	PPI	100	100	22	100	100	100	100	100
20	AC 214	1.50 AS	.190 LB/AC	PPE	100	100	2	100	100	100	100	100

Table 43: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK. AFTER APPLIED-----							
					GRASS	BRLE	CRIN	GIFI	COLO	3-YS	RRRN	CANE
21A	PEJULATE	6.00 E	4.000 LB/AC	PPI	100	90	0	100	95	85	98	100
21B	NAPROPAMIDE	50.00 WP	1.000 LB/AC	PPI								
22	NAPROPAMIDE	50.00 WP	1.000 LB/AC	PPI	95	82	2	95	94	70	82	90
23	NAPROPAMIDE	50.00 WP	1.000 LB/AC	POT	90	70	0	90	85	40	58	45
24	NAPROPAMIDE	2.00 E	1.000 LB/AC	PPI	94	88	0	94	95	40	82	40
25	NAPROPAMIDE	2.00 E	1.000 LB/AC	POT	92	65	0	92	70	70	60	72
26A	PEJULATE	6.00 E	4.000 LB/AC	PPI	100	95	2	100	100	82	95	100
26B	NAPROPAMIDE	2.00 E	1.000 LB/AC	PPI								
27	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
LSD(05):					7	20	8	7	20	NS	20	20

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K  
 DATE PLANTED: JUNE 11  
 VARIETY: BURLEY TOBACCO

SOIL TYPE: MAJRY SILT LOAM  
 PH: 8.0 O.M.: 2.7%  
 DATE TREATED: PPI JUNE 11  
 PRE JUNE 11  
 POT JUNE 14  
 EP JUNE 28  
 WP JULY 16  
 +140 JULY 31

## IX. SPECIES SCREENING STUDY

TRT. NO.	CHEMICAL	FORM	RATE	METH	ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	FOXTAIL	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEEED	JIMSONWEED	VELVETLEAF	COCKLERUR	SORGHUM	SHATTERCANE	CORN
1.	TREFLAN	4E	1.0	PPI	40	95	0	0	25	100	100	80	10	15	90	100	45	0	0	75	100	50
2.	CINCH	7E	0.8	PPI	60	85	20	0	15	90	95	65	10	15	70	100	65	25	90	40	25	55
3.	CINCH	7E	1.0	PPI	65	90	15	5	15	95	100	65	20	15	95	90	85	25	80	50	70	85
4.	LASSO	4E	3.0	PRE	65	30	5	0	30	95	95	90	15	90	80	100	60	30	80	0	80	0
5.	ATRAZINE	4L	1.5	PRE	100	40	5	5	0	45	70	100	0	95	100	100	100	80	70	0	0	0
6.	SENCOR	4F	0.5	PRE	90	5	5	0	10	55	80	100	30	100	85	100	50	100	70	0	0	0
7.	CINCH	7E	1.0	PRE	0	10	0	0	0	10	95	50	15	15	90	80	0	20	60	25	35	35
8.	CINCH	7E	1.2	PRE	5	15	0	0	10	100	95	50	5	10	75	90	30	20	60	25	50	80
9.	BAS-51400	50WP	0.5	PRE	100	0	50	5	5	35	85	90	15	85	100	95	85	70	60	0	0	0
10.	BAS-51400	50WP	1.0	PRE	100	5	65	5	5	95	80	100	30	90	100	100	100	80	50	0	0	5
11.	DACTHAL	75WP	9.0	PRE	0	0	0	0	5	80	95	45	0	20	65	100	70	5	35	5	15	0
12.	MOO-70701	2EC	0.25	PRE	0	0	0	0	0	0	80	15	5	5	20	85	40	0	75	0	0	0
13.	MOO-70701	2EC	0.5	PRE	25	0	0	0	0	0	75	75	0	10	90	95	60	5	60	0	0	0
14.	MOO-70701	2EC	1.0	PRE	35	5	10	0	10	10	85	70	15	90	85	100	90	45	70	0	0	0
15.	MOO-70701	2EC	2.0	PRE	80	10	0	5	15	35	90	80	5	85	95	100	100	80	80	5	0	0
16.	MOO-70523	50W	0.25	PRE	0	0	0	5	0	0	80	65	15	65	70	100	0	0	25	5	0	0
17.	MOO-70523	50W	0.5	PRE	35	5	10	5	0	0	90	55	5	65	85	100	50	25	65	0	0	0

## IX. SPECIES SCREENING STUDY (continued)

TRT. NO.	CHEMICAL	FORM	RATE	METH	ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	FOXTAIL	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEEED	JIMSONWEED	VELVETLEAF	COCKLEBUR	SORGHUM	SHATTERCANE	CORN
18.	MOO-70523	50W	1.0	PRE	75	5	0	0	10	10	80	80	10	80	80	100	90	95	65	0	0	0
19.	MOO-70523	50W	2.0	PRE	95	50	10	5	15	90	100	100	15	100	95	100	100	95	80	0	0	0
20.	MOO-70492-1	50W	0.25	PRE	50	0	0	0	0	0	80	25	0	5	85	90	25	0	0	0	0	0
21.	MOO-70492-1	50W	0.5	PRE	40	0	0	0	0	0	80	50	10	15	80	95	25	0	0	0	0	0
22.	MOO-70492-1	50W	1.0	PRE	90	5	5	0	10	0	85	70	10	55	70	100	0	25	45	0	0	5
23.	MOO-70492-1	50W	2.0	PRE	100	45	0	0	5	50	85	95	20	90	95	100	25	85	0	0	0	0
24.	BLADEX	80W	3.0	PRE	100	5	30	0	30	100	90	95	20	90	100	100	90	90	50	0	0	0
25.	SD 50093	80W	3.0	PRE	100	65	35	20	45	85	75	100	20	100	95	100	95	90	65	0	0	0
26.	BAS-51400	50WP	0.5	2TR	0	5	50	20	30	20	75	60	15	35	100	75	85	50	100	0	0	20
27.	BAS-51400	50WP	1.0	2TR	0	5	50	20	25	20	75	50	20	50	100	75	90	50	100	10	0	30

AREA FOR TREATMENTS 12-23 = 300 SQ FT  
 AREA FOR 1-11,24-27 = 500 SQ FT  
 LOCATION: SPINDLETOP FARM  
 SOIL TYPE: LANTON SILTY CLAY LOAM  
 pH: 6.5 O.M.: 6.5%  
 DATE PLANTED: MAY 17  
 DATE TREATED: PFI,PRE MAY 17  
 MP 6/13

## X. Returnable Form for Yields and Additional Information

Certain soybean plots will be yielded. If you desire these data or other data that we might help you with, please return this form. Data will be available after January 1, 1985.

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Phone \_\_\_\_\_

Firm \_\_\_\_\_

Type of Data Needed  
\_\_\_\_\_  
\_\_\_\_\_

Soybean Yields \_\_\_\_\_  
\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**CONTACT:**

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