Herbicide Evaluation Trials - 1984

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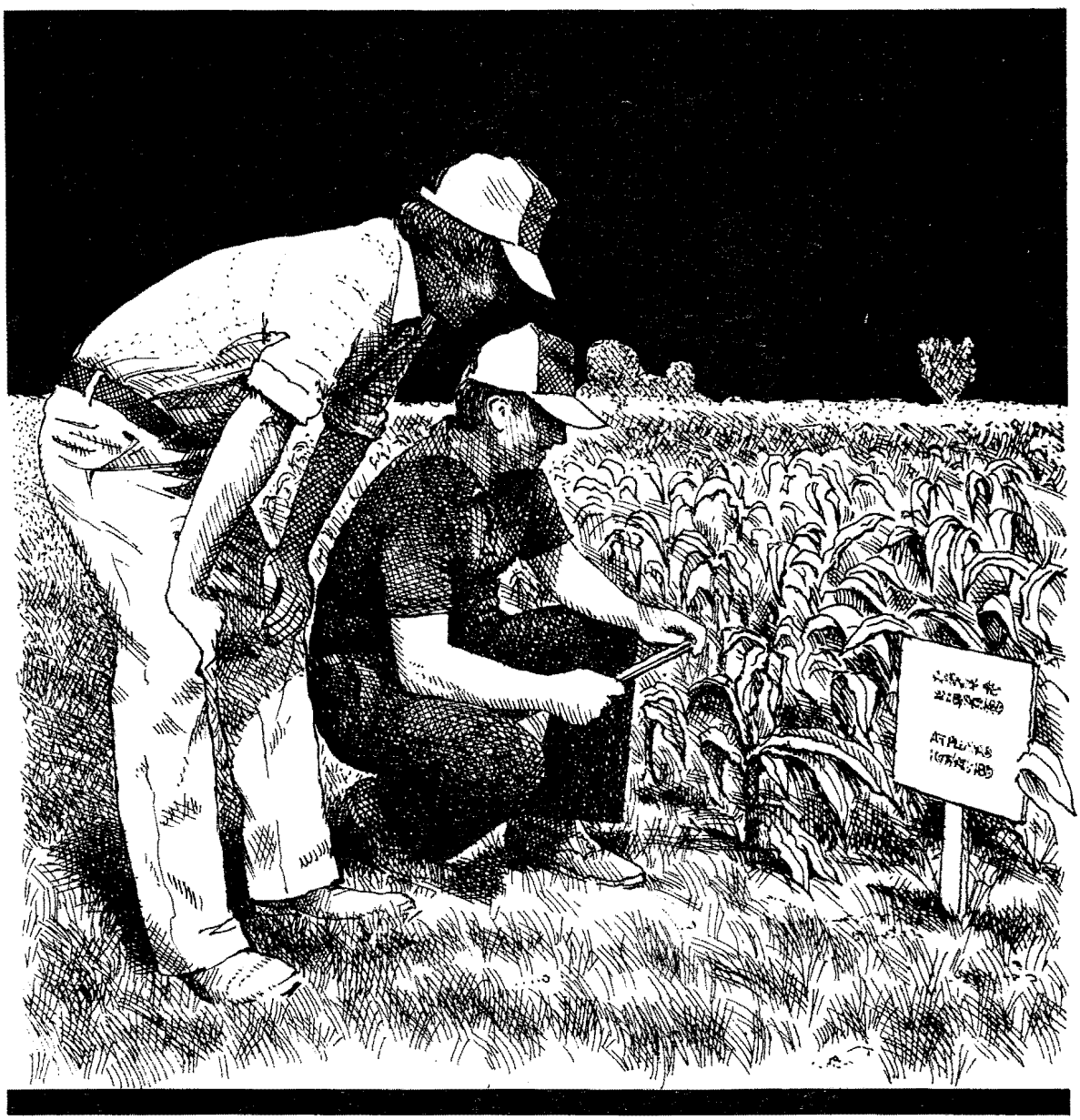

University of Kentucky • College of Agriculture • Department of Agronomy • Lexington

(Not for Publication)

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

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

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

Robert M. Bullock, technician, who established, maintained and evaluated all plots located at the west Kentucky Research and Education Center.

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

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

Rick M. Cole, Mike DeFelice, Jerry Flint, George Kelley, Mark Langemeier, and Hermanus Suprapto, graduate research assistants, who made a significant contribution in conducting special projects.

Sarah Lambert, secretary, who assisted in typing certain parts of the publication.

Thanks to Mr. John H. Byers, of the Agricultural Data Center for his assistance in developing computer programs for computerizing and summarizing the results of our tests.

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

CONTENTS

I. EXPERIMENTAL TECHNIQUES

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_2. 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

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

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 —Unifoliate
24. ITR —one trifoliate leaf formed
25. 2TR —two trifoliate leaves formed
26. 3TR —three trifoliate leaves formed
27. 5TR —five trifoliate 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	
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	56	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 **********

SUMMARY

AVERAGES 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

ACCUMULATIONS FOR PERIOD

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
SPINDLETOP	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	
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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SUMMARY

AVERAGES 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

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
SPINDLETOP	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	63	.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	46	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

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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO
				*	*	*	*	*	*
SPINDLETOP	84	62	73	97	53	79	70	84	67

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
		*			
SPINDLETOP	3.69	5.85	710	1	257

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. 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	69	.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	69	.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

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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO
SPINDLETOP	86	65	76	99	53	80	71	84	69

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
SPINDLETOP	1.34	7.41	775		336

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. 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 **********
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SUMMARY

AVERAGES FOR PERIOD

ACCUMULATIONS FOR PERIOD

STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO	AVG	HI	LO	GRASS		BARE						
						HI	LO	HI	LO					
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 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS		BARE					
						HI	LO	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	
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	68	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			

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AVERAGES FOR PERIOD — SUMMARY ACCUMULATIONS FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	PCPN	EVAP	GDD 50 DEG. MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	74	53	64	98	64	69	65			9.41		451	108	62

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 DEG. MOD	HEAT DEG. DAYS	COOL DEG. 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			

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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO
PRINCETON	87	66	77	100	66	80	74		

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 DEG. MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	3.13		780		361

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 DEG. MOD	HEAT DEG. DAYS	COOL DEG. 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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SUMMARY

AVERAGES FOR PERIOD — ACCUMULATIONS FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	84	65	77	100	70	82	76			3.16		777		371

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	99	55	1.44	100	48	84	72				31		1*

III. 1984 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							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			

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SUMMARY

AVERAGES 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	88	66	77	100	69	83	77			4.66		805		387

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
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 **********
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SUMMARY

AVERAGES FOR PERIOD

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

ACCUMULATIONS FOR PERIOD

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS HI	GRASS LO	BARE HI	BARE LO				
PRINCETON	93	42	.65	100	32	85	60				28	13	14

IV. Herbicides Used in Weed Control Studies, 1984

CHEMICAL/COMMON	TRADE NAME	COMPANY
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
Ethalfluralin	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

CHEMICAL/COMMON	TRADE NAME	COMPANY
Liquid Fertilizer		
MON 0139		Monsanto
Metolachlor	Dual	Ciba Geigy
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 METH	JUNE 15 GRAS	BBLE	CRIN	GIEI	VELE	COLB	JUNE	ICMG
1	ALACHLOR	4.00 ME	2.500 LB/AC	PRE	100	22	0	100	15	62	10	18
2	ALACHLOR	4.00 ME	3.000 LB/AC	PRE	98	40	0	98	22	68	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 E	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	38	12	12
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	78	0	95	95	88	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	98	75	0	98	72	98	62	58
11	CYANAZINE	4.00 L	3.000 LB/AC	PRE	90	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	85	52	48
17	SC 5676	4.00 E	1.000 LB/AC	PRE	100	75	0	100	65	88	48	60
18	SC 5676	4.00 E	2.000 LB/AC	PRE	100	78	0	100	62	92	58	52
19	SC 5676	4.00 E	3.000 LB/AC	PRE	100	75	0	100	65	98	70	52

Table 1: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JUNE 16 GRAS	BRLE	CRIN	GIFI	VELE	COLQ	IPME	ILMG
20	SC 5676 + R 29148	4.00 E	3.000	LB/AC	PRE	100	85	0	100	72	95	82	65
21A	SC 5676	4.00 E	1.000	LB/AC	PRE	100	95	0	100	92	100	95	85
21B	ATRAZINE	4.00 L	1.500	LB/AC	PRE								
22	DS 57614	70.00 WP	1.200	LB/AC	PRE	0	25	0	0	18	38	12	20
23	DS 57614	70.00 WP	2.400	LB/AC	PRE	32	58	0	32	70	88	12	20
24	CHECK (CULTIVATED)	.00 CK	.000			100	100	0	100	100	100	100	100
				LSD(05):		10	16	0	10	22	17	30	30

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 260 N, 60 P, 60 K PH: 5.6 O.M.: 3.3%
DATE PLANTED: MAY 11 DATE TREATED: PRE MAY 11
VARIETY: PIONEER 3369A

Table 2: Corn Preemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 25 CRIN	JULY 25 GIEI	JULY 25 VELE	JULY 25 COLQ	JULY 25 JINE	JULY 25 ILMG
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	88	72
9B	ATRAZINE	40.00 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	68
12B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
13	METALACHLOR + ATRAZT	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 FC	2.000 LB/AC	PRE	0	100	50	70	50	25
17	SC 5576	4.00 F	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 2: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 25 CRTV	JULY 25 GIFT	JULY 25 VELV	JULY 25 COLQ	JULY 25 JIMS	JULY 25 LAMB
20	SC 5576 + R 29148	4.00 E	3.000 LB/AC	PRE	0	100	60	88	75	48
21A	SC 5576	4.00 E	1.000 LB/AC	PRE	0	100	92	100	92	72
21B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
22	DS 57614	70.00 WP	1.200 LB/AC	PRE	0	0	18	38	12	20
23	DS 57614	70.00 WP	2.400 LB/AC	PRE	0	10	65	85	12	20
24	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
			LSD(05):		0	18	28	19	29	34

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 5.6 O.M.: 3.3%
DATE PLANTED: MAY 11 DATE TREATED: PRE MAY 11
VARIETY: PIONEER 3569A

Table 3: Corn Preplant Incorporated—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFT	VELE	COLQ	TIME	ILMG
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	85	80	80
3	ALACHLOR	4.00 ME	2.500 LB/AC	PPI	100	65	0	100	72	75	50	52
4	ALACHLOR	4.00 ME	3.000 LB/AC	PPI	100	72	0	95	68	82	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 + ?	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 + R 29148	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	CYCLOATE	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	CYCLOATE	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	CYCLOATE	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	RO-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	RO-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	RO-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 No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BYLE	CRIN	GIFI	VELE	COLQ	IPWE	IPMG
20A	BUTYLATE + X-25788	6.70 E	4.000 LB/AC	PPI	90	100	0	90	100	100	100	100
20B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
21A	BUTYLATE + X-25788	6.70 E	6.000 LB/AC	PPI	98	100	0	98	100	100	100	100
21B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
22A	BUTYLATE+ + X 33455	6.00 E	4.000 LB/AC	PPI	90	100	0	90	100	100	100	98
22B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
23A	BUTYLATE+ + X 33455	6.00 E	6.000 LB/AC	PPI	98	100	0	98	100	100	100	100
23B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
24A	BUTYLATE+ + X 33455	6.00 E	4.000 LB/AC	PPI	90	100	0	90	100	100	100	100
24B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
25A	BUTYLATE+ + X 33455	6.00 E	6.000 LB/AC	PPI	98	100	0	98	100	100	100	100
25B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
26A	DOWCO 356	4.00 E	.750 LB/AC	PPI	95	100	0	95	98	100	100	98
26B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
27A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	90	95	0	90	100	100	80	84
27B	PPG 1013	.25 EC	.200 LB/AC	PRE								
28A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	92	95	0	92	98	100	95	90
28B	PPG 1013	.25 EC	.300 LB/AC	PRE								
29A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	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	PPI	90	90	0	90	100	100	72	70
30B	PPG 1259	.50 EC	.150 LB/AC	PRE								
31A	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	92	85	0	92	100	100	60	62
31B	PPG 1259	.50 EC	.200 LB/AC	PRE								
32	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(05):		10	11	2	10	15	11	25	18

Table 3: continued

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

SOIL TYPE: MAURY SILT LOAM
PH: 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 - CRIN	SIDI	VELE	COLW	JIWE	ILMA
1	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	100	68	68	62	55
2	METOLACHLOR	8.00 E	3.000 LB/AC	PPI	0	100	45	62	72	65
3	ALACHLOR	4.00 ME	2.500 LB/AC	PPI	0	90	52	52	50	35
4	ALACHLOR	4.00 ME	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	88	100	88	82
7	CP 55097	8.00 EC	2.500 LB/AC	PPI	0	100	98	88	88	75
8	BUTYLATE + 2	6.70 EC	3.000 LB/AC	PPI	0	40	50	12	10	0
9	SC 5676	4.00 E	1.000 LB/AC	SPI	0	100	70	78	60	48
10	SC 5676	4.00 E	2.000 LB/AC	SPI	0	100	92	90	75	70
11	SC 5676	4.00 E	3.000 LB/AC	SPI	0	100	82	95	80	72
12	SC 5676 + R 29148	4.00 E	3.000 LB/AC	SPI	0	100	80	90	70	68
13A	SC 5676	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	CYCLOATE	6.00 E	3.000 LB/AC	PPI	0	80	95	100	92	88
14B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
15A	CYCLOATE	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	CYCLOATE	6.00 E	5.000 LB/AC	PPI	0	90	95	100	98	90
16B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
17A	RO-NEET/R 25788	6.00 EC	3.000 LB/AC	PPI	0	85	100	100	92	90
17B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
18A	RO-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	RO-NEET/R 25788	6.00 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 8 WK. AFTER APPLIED - CRTI	SIEI	VELE	COLI	LIWE	ILMG
20A	BUTYLATE + R-25788	6.70 E	4.000	LB/AC	PPI	0	68	100	98	100	92
20B	ATRAZINE	4.00 L	1.500	LB/AC	PPI						
21A	BUTYLATE + R-25788	6.70 E	6.000	LB/AC	PPI	0	88	100	100	100	92
21B	ATRAZINE	4.00 L	1.500	LB/AC	PPI						
22A	BUTYLATE+ + R 33865	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 33865	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 33865	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 33865	6.00 E	6.000	LB/AC	PPI	0	98	100	100	100	98
25B	ATRAZINE	4.00 L	1.500	LB/AC	PPI						
26A	DONCO 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	68	95	100	68	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	98	52	50
29B	PPG 1013	.25 EC	.030	LB/AC	SPK						
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 33698

SOIL TYPE: MAURY SILT LOAM
PH: 5.6 O.M.: 3.3%
DATE TREATED: PPI MAY 11
PRE MAY 11
SPK 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 - GRAS	BRLE	CRIN	GIFI	VELE	COLQ	EVALUATED 8 WK. AFTER CRIN	GIFI	VELE	COLQ
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 +	2.00 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 +	2.00 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 +	2.00 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 +	2.00 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 +	2.00 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 +	2.00 E	.250 LB/AC	MP										
8C	CYANAZINE	80.00 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 +	2.00 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	EP										
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
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	EP										
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP										
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	EP										
12C	2,4-D AMINE	4.00 E	.250 LB/AC	EP										

Table 5: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED - GRAS	BRLE	CRIN	GLEI	VELE	COLQ	EVALUATED 8 WK. AFTER CRIN	GLEI	VELE	COLQ
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	98	85	0	98	75	95	0	68	75	95
13B	BENAZOLIN	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	78	95	0	92	78	92
14B	BENAZOLIN	4.00 E	.250 LB/AC	LP										
14C	BROMOXYNIL +	2.00 E	.130 LB/AC	LP										
15A	ALACHLOR	4.00 E	1.500 LB/AC	PRE	100	98	0	100	92	100	0	100	92	100
15B	DOWCO 356	4.00 E	.500 LB/AC	5LF										
15C	ATRAZINE	4.00 L	1.500 LB/AC	5LF										
15D	OIL CON. (AIPLUS)	.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. (AIPLUS)	.00 AD	1.000 QT/AC	18D										
17A	ATRAZINE	4.00 L	2.000 LB/AC	5LF	65	100	0	65	100	100	0	45	100	100
17B	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	5LF										
17C	ATRAZINE	4.00 L	2.000 LB/AC	+7D										
17D	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	+7D										
18A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	82	72	5	82	60	75	5	75	52	75
18B	SETHOXYDIM	1.53 EC	.100 LB/AC	D6										
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D6										
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	D12										
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D12										
20A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	88	82	35	68	62	100	50	90	55	100
20B	SETHOXYDIM	1.53 EC	.200 LB/AC	D6										
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D6										
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	D12										
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D12										
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	D6										
22C	2,4-D AMINE	4.00 E	.250 LB/AC	D6										
22D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D6										
23A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	85	100	28	85	98	100	30	65	98	100
23B	SETHOXYDIM	1.53 EC	.100 LB/AC	D12										
23C	2,4-D AMINE	4.00 E	.250 LB/AC	D12										
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D12										

Table 5: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED - GRAS	BRLE	CRIN	GIFT	VELE	COLQ	EVALUATED 8 WK. AFTER CRIN	GIFT	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	D6										
24C	2,4-D AMINE	4.00 E	.250 LB/AC	D6										
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D6										
25A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	82	98	35	82	92	100	58	80	92	100
25B	SETHOXYDIM	1.53 EC	.200 LB/AC	D12										
25C	2,4-D AMINE	4.00 E	.250 LB/AC	D12										
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	D12										
26A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	65	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. (AIPLUS)	.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	18D	5	100	2	5	98	100	5	0	98	100
28B	CYANAZINE	80.00 WP	1.600 LB/AC	18D										
29A	DOWCO 356	4.00 E	.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	+7D										
29D	CYANAZINE	80.00 WP	1.600 LB/AC	+7D										
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	+7D										
30D	CYANAZINE	80.00 WP	1.600 LB/AC	+7D										
31A	DOWCO 356	4.00 E	.380 LB/AC	18D	25	95	0	25	90	100	0	12	90	100
31B	ATRAZINE	4.00 L	2.000 LB/AC	18D										
31C	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	18D										
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. (AIPLUS)	.00 AD	1.000 QT/AC	SPK										
33A	DOWCO 356	4.00 E	.500 LB/AC	18D	30	98	0	30	95	100	0	12	92	100
33B	ATRAZINE	4.00 L	1.500 LB/AC	18D										
33C	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	18D										
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. (AIPLUS)	.00 AD	1.000 QT/AC	SLF										

Table 5: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK. AFTER APPLIED - GRAS	BRLE	CRIN	GIFI	VELE	COLQ	EVALUATED 8 WK. AFTER CRIN	GIFI	VELE	COLQ
35A	DOWCO 356	4.00 E	.750 LB/AC	SLF	58	100	0	58	100	100	0	32	100	100
35B	ATRAZINE	4.00 L	2.000 LB/AC	SLF										
35C	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	SLF										
36A	DOWCO 356	4.00 E	.500 LB/AC	SLF	65	100	0	65	100	100	0	42	100	100
36B	ATRAZINE	4.00 L	1.500 LB/AC	SLF										
36C	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	SLF										
36D	ATRAZINE	4.00 L	1.500 LB/AC	+7D										
36E	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	+7D										
37A	DOWCO 356	4.00 E	.500 LB/AC	SLF	68	100	0	68	100	100	0	48	100	100
37B	ATRAZINE	4.00 L	1.500 LB/AC	SLF										
37C	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	SLF										
37D	DOWCO 356	4.00 E	.250 LB/AC	+7D										
37E	ATRAZINE	4.00 L	1.500 LB/AC	+7D										
37F	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	+7D										
38A	DOWCO 356	4.00 E	.500 LB/AC	SLF	72	100	0	80	100	100	0	48	100	100
38B	ATRAZINE	4.00 L	2.000 LB/AC	SLF										
38C	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	SLF										
38D	DOWCO 356	4.00 E	.250 LB/AC	+7D										
38E	ATRAZINE	4.00 L	1.000 LB/AC	+7D										
38F	OIL CON. (AIPLUS)	.00 AD	1.000 QT/AC	+7D										
39A	DOWCO 356	4.00 E	.500 LB/AC	SPK	100	100	0	100	100	100	0	98	98	100
39B	ATRAZINE	4.00 L	.400 LB/AC	SPK										
39C	CYANAZINE	80.00 WP	.800 LB/AC	SPK										
40A	DOWCO 356	4.00 E	.500 LB/AC	18D	30	100	0	8	100	100	0	2	100	100
40B	ATRAZINE	4.00 L	.800 LB/AC	18D										
40C	CYANAZINE	80.00 WP	.800 LB/AC	18D										
41A	DOWCO 356	4.00 E	.500 LB/AC	18D	30	100	2	30	98	100	0	5	98	100
41B	ATRAZINE	4.00 L	.800 LB/AC	18D										
41C	CYANAZINE	80.00 WP	.800 LB/AC	18D										
41D	OIL CON. (AIPLUS)	.00 AD	.500 QT/AC	18D										
42	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	0	100	100	100
			LSD(05):		19	11	5	15	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 PH: 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, SLF 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 COR
TREATMENTS 26,29,30,36,37,38 DROP APPLICATORS
18D = 18 DAYS AFTER PLANTING

Table 6: Corn Postemergence II

Trt No.	Herbicide Treatment	Formula	Rate	Appl Meth	Evaluated 4 wk. after applied - Grass	Sicle	Crin	Giei	Vele	Culq	Evaluated 8 wk. - Crin	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	.130 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	4.80 E	.400 LB/AC	EP										
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	98	100	0	98	95	100
6B	2 4 D + MCPP + DICAM	4.60 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	BROMOXYNIL	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	CN 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	CN 6471	4.00 S	.250 LB/AC	MP										
10A	ALACHLOR	4.00 ME	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 ME	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	98	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 - GRAS	BRLE	CRTN	GIFT	VELE	COLQ	----EVALUATED 8 WK. -- CRTN	GIFT	VELE	COLQ
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	3LF	22	78	0	22	65	100	0	5	60	100
16B	PYRIDATE	45.00 WP	.900 LB/AC	3LF										
17A	ATRAZINE	4.00 L	1.000 LB/AC	3LF	48	90	0	48	80	100	0	5	78	100
17B	PYRIDATE	45.00 WP	.900 LB/AC	3LF										
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
			LSD(05):		16	10	4	16	13	NS	2	19	15	3

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

SOIL TYPE: MAURY SILT LOAM
PH: 7.0 O.M.: 5.1%
DATE TREATED: PRE 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 METH	---EVALUATED 4 WK. AFTER APPLIED - GRAS	BRLE	CRBW	GIFT	LACQ	PRPA	----EVALUATED 8 WK. -- CRBW	GIFT	LACQ	PRPW
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	POP										
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	POP										
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	POP										
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 VA	.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 VA	.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 VA	.060 %	PRE										
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	92	98	0	82	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	88	98	0	88	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	90	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 VA	.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	.380 LB/AC	PRE										
10D	PARAQUAT PLUS	2.00 E	.130 LB/AC	PRE										
10E	X-77 (SURFACTANT)	.50 VA	.060 %	PRE										

Table 15: Soybean Postemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK. AFTER APPLIED CRIN	GIFI	VELE	COLQ	JIWE	BLNS	PESA	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	8	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 6202	.80 L	.060 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	98	58	95	58
6B	SETHOXYDIM	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	92	95	60
8B	HOE 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	ORTHO 453	2.00 E	.060 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	35	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	78	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	92	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	PPG-844	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	GIFI	VELE	COLW	IPWE	BENS	PESW	ILMG
19A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	88	78	100	70	75	58
19B	DPX F6025	75.00 DF	.010 LB/AC	MP								
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
16A	BENTAZON	4.00 E	.750 LB/AC	MP	0	0	95	78	100	98	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	58	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	92	98	22
18B	PPG 1013	.25 EC	.010 LB/AC	MP								
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
14A	BENTAZON	4.00 E	.750 LB/AC	MP	2	0	100	88	100	85	95	70
14B	PPG 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	DOWCO 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	DOWCO 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	68	100	12
22B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
22C	DOWCO 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	DOWCO 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"B	0	95	92	80	100	58	78	20
24B	ACIFLUORFEN	2.00 L	.500 LB/AC	3"B								
24C	OIL CONCENTRATE	.00 AD	.500 QT/AC	3"B								
24D	SETHOXYDIM	1.53 EC	.200 LB/AC	5"G								
24E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5"G								
25A	BENTAZON	4.00 E	.750 LB/AC	3"B	0	90	98	65	100	65	95	12
25B	ACIFLUORFEN	2.00 L	.500 LB/AC	3"B								
25C	OIL CONCENTRATE	.00 AD	.500 QT/AC	3"B								
25D	SETHOXYDIM	1.53 EC	.300 LB/AC	5"G								
25E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5"G								

Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	CRIV	SIEI	VELE	COLI	JIWE	B_NS	PESM	ILMG
					----------EVALUATED 8 WK. AFTER APPLIED -------							
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	68	62	100	20	68	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	SEW	0	92	65	38	92	15	100	0
30B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEW								
30C	BENTAZON	4.00 E	.750 LB/AC	SEW								
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEW								
31A	SETHOXYDIM	1.53 EC	.200 LB/AC	SEW	0	98	75	55	98	75	95	25
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEW								
31C	BENTAZON	4.00 E	.750 LB/AC	SEW								
31D	ACIFLUORFEN	2.00 L	.250 LB/AC	SEW								
31E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEW								
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	+1D								
32D	TRITON AG 98 SURFACT	.00 NA	.130 %	+1D								
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	SEW								
33D	TRITON AG 98 SURFACT	.00 NA	.130 %	SEW								
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 GRIN	SIEI	VELE	COLQ	JUNE	BLNS	PESA	ILMG
36A	ACIFLUORFEN	2.00 L	.500 LB/AC	MP	0	80	35	5	88	100	20	0
36B	DYNOD 453	2.00 E	.860 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	92	9
37B	DYNOD 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	98	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	49
46B	TRITON AG 98 SURFACT	.00 WA	.250 %	LMP								

Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 9 WK. AFTER APPLIED CRIN	GIFI	VELE	COLQ	JIWE	BIDB	PESW	ILMG
47A	HOE 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 PT/AC	MP								
48A	HOE 33171	.75 EC	.200 LB/AC	MP	2	92	100	92	75	58	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 PT/AC	MP								
49A	HOE 33171	.75 EC	.200 LB/AC	MP	2	95	75	60	92	58	60	12
49B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP								
49C	BENTAZON	4.00 E	.750 LB/AC	MP								
49D	OIL CONCENTRATE	.00 AD	1.000 PT/AC	MP								
50A	HOE 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 PT/AC	MP								
51A	CHLORAMBEN	75.00 DS	2.700 LB/AC	CRK	2	90	98	95	75	100	100	0
51B	NAPA/DU	3.00 E	4.500 LB/AC	CRK								
52A	CHLORAMBEN	75.00 DS	2.700 LB/AC	2TR	8	52	95	32	100	100	35	65
52B	NAPA/DU	3.00 E	1.500 LB/AC	2TR								
53A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LMP	0	78	0	15	100	100	50	55
53B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP								
53C	TRITON AG 98 SURFACT	.00 WA	.250 %	LMP								
54A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LMP	0	90	50	2	100	100	90	92
54B	ACIFLUORFEN	2.00 L	.500 LB/AC	LMP								
54C	OIL CONCENTRATE	.00 AD	.500 PT/AC	LMP								
55A	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP	0	98	92	12	100	98	0	12
55B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP								
55C	OIL CONCENTRATE	.00 AD	1.000 PT/AC	MP								
56A	ACIFLUORFEN 2	2.00 L	.500 LB/AC	MP	0	62	72	32	88	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	.380 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 PT/AC	LP								

Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 8 WK. AFTER APPLIED CRIJ	GIEI	VELE	COLW	JIWE	BLWS	PESW	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	PPG-844	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	98	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	88	58	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	98	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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK. AFTER APPLIED CRTB	GIBI	VELE	COLQ	JUNE	BLWS	PESA	LUMG
71A	PPG 1013	.25 EC	.020 LB/AC	MP	0	98	88	60	100	100	0	25
71B	HOE 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	88	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	88	90	35	55	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	99	100	100	20	0	100	0
74B	DOWCO 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	DOWCO 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	DOWCO 453	2.00 E	.090 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	DOWCO 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	HOE 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	CLOPROXYDIM	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	CLOPROXYDIM	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	CLOPROXYDIM	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	CLOPROXYDIM	4.00 E	.300 LB/AC	MP								
82C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
82D	CLOPROXYDIM	4.00 E	.200 LB/AC	SEQ								
82E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ								

Table 15: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 8 WK. AFTER APPLIED: CRTH	GIBI	VELE	COLQ	IPHE	SLNS	PESA	ILMG
93A	LINURON	4.00 L	1.000	LB/AC	PRE	0	98	100	100	0	52	100	0
93B	MOE 33171	.75 EC	.150	LB/AC	MP								
93C	OIL CONCENTRATE	.00 AD	.500	PT/AC	MP								
94	CHECK (CULTIVATED)	.00 CK	.000			0	100	100	100	100	100	100	100
				LSD(05):		5	17	58	19	27	37	29	36

LOCATION: SPINDLETOP FARM
FERTILIZATION (LB/AC): 50 N, 60 P, 60 K
DATE PLANTED: MAY 15
VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
PH: 6.5 O.M.: 3.4%
DATE TREATED: PRE MAY 16
CRK MAY 21
EP JUNE 1
MP, 3"B, SEO JUNE 5
5"G, SEJ, LMP JUNE 7
+1D JUNE 9
LP, 2TR JUNE 12

CRK = CRACKING STAGE
LMP = LATE MID POST
3"B = 3 INCH BROADLEAVES
5"G = 5 INCH GRASS

Table 16: Soybean Postemergence II—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED							
					GRAS	BKLE	CRIN	GIEI	VELE	COLQ	PESW	IAMG
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	93	20	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	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	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	87	20	0	87	57	10	100	17
7B	DPX F6025	75.00 DF	.004 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	87	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	50	37	0	80	63	23	100	33
10B	DPX F6025	75.00 DF	.006 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	BRLE	CRIN	GIEI	VELE	COLQ	PESW	IAMG
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-DB	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	.008 LB/AC	1TR								
12C	2,4-DB	2.00 E	.030 LB/AC	1TR								
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	80	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	.008 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	NAMPA/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	53
16B	NAMPA/DN	3.00 E	2.250 LB/AC	MP								
17A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	30	3	87	17	70	100	47
17B	NAMPA/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	NAMPA/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	83	30	3	83	10	60	100	87
19B	NAMPA/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	93	47	7	83	0	83	100	47
20B	NAMPA/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	87	40	10	87	0	57	100	60
21B	NAMPA/DN	3.00 E	1.500 LB/AC	LP								
21C	2,4-DB	2.00 E	.030 LB/AC	LP								
21D	NAMPA/DN	3.00 E	1.500 LB/AC	10D								
21E	2,4-DB	2.00 E	.030 LB/AC	10D								
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	.00 AD	.500 PT/AC	MP								

Table 16: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFT	VELE	COLQ	PESW	IPOMG
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 NA	.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 NA	.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 NA	.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 NA	.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 NA	.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 NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFI	VELE	COLQ	PLSW	IAMG
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 VA	.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 VA	.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	1.56 E	.130	LB/AC	MP								
38C	XE 1034	1.00 VA	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 VA	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 VA	1.000	%	MP								
			LSD(05):			9	25	7	9	33	33	NS	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: 6.7 O.M.: 3.3%
DATE TREATED: PRE MAY 16
EP JUNE 1
MP JUNE 5
LTR JUNE 8
LMP JUNE 8
LP JUNE 12
+10D JUNE 22

Table 17: Soybean Postemergence II—Second Evaluation

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---EVALUATED 8 WK. AFTER APPLIED - CRIN	GLEI	VELE	COLQ	PESN	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	MP						
1C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP						
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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK. AFTER APPLIED - CRIN	GIEI	VELE	COLQ	PESW	ILMA
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	87	27	17	50	60
11B	DPX F6025	75.00 DF	.004 LB/AC	1TR						
11C	2,4-DB	2.00 E	.030 LB/AC	1TR						
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	77	27	10	83	43
12B	DPX F6025	75.00 DF	.008 LB/AC	1TR						
12C	2,4-DB	2.00 E	.030 LB/AC	1TR						
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80	53	17	83	55
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	0	83	77	17	100	43
14B	DPX F6025	75.00 DF	.008 LB/AC	1TR						
14C	PPG 1013	.25 EC	.040 LB/AC	1TR						
15A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	13	87	27	73	100	30
15B	NAPA/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	NAPA/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	NAPA/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	NAPA/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	NAPA/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	NAPA/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	NAPA/DN	3.00 E	1.500 LB/AC	LP						
21C	2,4-DB	2.00 E	.030 LB/AC	LP						
21D	NAPA/DN	3.00 E	1.500 LB/AC	10D						
21E	2,4-DB	2.00 E	.030 LB/AC	10D						
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 PT/AC	MP						

Table 17: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK. AFTER APPLIED - CRIN	GIFI	VELE	COLW	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 TREATMENT	FORMULA	RATE		APPL METH	---EVALUATED 8 WK. AFTER APPLIED - CRIN	GIEI	VELE	COLQ	PESA	ILMA
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 VA	.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 VA	.250	%	MP						
35A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	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	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	.130	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	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: 6.7 O.M.: 3.3%
DATE TREATED: PRE MAY 16
EP JUNE 1
MP JUNE 5
LTR 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 - GRAS	BRLE	CRIN	GIFT	VELE	COLQ	----EVALUATED 8 WK. -- CRIN	GIFT	VELE	COLQ
1A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	63	83	0	63	100	87	0	80	100	93
1B	BENAZOLIN	4.00 E	.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 E	.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 98 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 METH	---EVALUATED 4 WK. AFTER APPLIED - GRAS	ERLE	CRIN	GIFI	VELE	COLQ	----EVALUATED 8 WK. -- 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 98 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	PRE	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 98 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 - GRAS	BRLE	CRIN	GIFI	VELE	COLQ	----EVALUATED 8 WK. -- CRIN	GIFI	VELE	COLQ
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 - GRAS	BRLE	CRIN	GIFI	VELE	COLQ	----EVALUATED 8 WK. -- CRIN	GIFI	VELE	COLQ
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	60	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										
			LSD(05):		31	40	NS	29	31	39	0	26	34	29

LOCATION: SPINDLETOP FARM
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
PH: 6.9 O.M.: 3.2%
DATE PLANTED: MAY 16
VARIETY: WILLIAMS
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 METH	JULY 22 GRAS	JULY 22 BRLE	JULY 22 CRIN	JULY 22 VELE	JULY 22 JINE	JULY 22 ILMG	AUG 23 CRIN	AUG 23 VELE	AUG 23 JINE	AUG 23 ILMG
1A	CHLORAMBEN	75.00 DS	2.700	LB/AC	30D	78	22	0	20	20	28	0	18	12	18
1B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	30D										
2A	CHLORAMBEN	75.00 DS	2.700	LB/AC	30D	88	22	0	48	32	22	0	35	20	12
2B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	30D										
3A	CHLORAMBEN	75.00 DS	2.700	LB/AC	30D	88	30	0	58	28	25	0	40	22	18
3B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	30D										
4A	CHLORAMBEN	75.00 DS	2.700	LB/AC	30D	92	60	0	72	70	65	0	65	60	48
4B	SOY OIL	.00 AD	1.000	QT/AC	30D										
5A	CHLORAMBEN	75.00 DS	2.700	LB/AC	30D	90	50	0	78	62	58	0	68	60	42
5B	SOY OIL	.00 AD	1.000	QT/AC	30D										
6A	CHLORAMBEN	75.00 DS	2.700	LB/AC	30D	95	58	0	80	78	60	0	70	68	38
6B	SOY OIL	.00 AD	1.000	QT/AC	30D										
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 SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 5.8 O.M.: 2.4%
DATE PLANTED: MAY 22 DATE TREATED: 30D JUNE 25
VARIETY: WILLIAMS

Table 20: Soybean Postemergence V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	4 WK CRTN	8 WK CRTN	YLD
1A	BENAZOLIN	4.00 E	.380	LB/AC	V4	9	4	28
1B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	V4			
2A	BENAZOLIN	4.00 E	.500	LB/AC	V4	12	5	27
2B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	V4			
3A	BENAZOLIN	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	BENAZOLIN	4.00 E	.380	LB/AC	V4			
5B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	V4			
6A	BENAZOLIN	4.00 E	.500	LB/AC	V4			
6B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	V4			
7A	BENAZOLIN	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 AA	.500	%	2TR			
10A	UBI 1484	2.00 L	1.500	LB/AC	STR	2	2	26
10B	X-77 (SURFACTANT)	.50 AA	.500	%	STR			
11A	UBI 1484	2.00 L	1.500	LB/AC	R1	15	8	27
11B	X-77 (SURFACTANT)	.50 AA	.500	%	R1			
12A	UBI 1484	2.00 L	1.500	LB/AC	R3	20	12	26
12B	X-77 (SURFACTANT)	.50 AA	.500	%	R3			
			LSD(05):			11	NS	NS

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

SOIL TYPE: MAURY SILT LOAM
PH: 6.1 O.M.: 3.1%
DATE TREATED: 2TR JUNE 16
STR 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 POD SET

Table 21: Soybean Early Preplant Incorporated—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WKS. AFTER APPLIED GRAS	BRLE	CRIN	GIFI	VELE	COCO	IPHE	CUCB	ILMG
1	CYANAZINE	4.00 L	2.250 LB/AC	EPP	75	78	0	75	80	100	85	92	85
2A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	80	80	0	80	88	100	85	92	90
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP									
3A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	82	85	8	82	88	100	95	98	98
3B	CYANAZINE	4.00 L	1.500 LB/AC	POD									
4A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	80	78	0	80	88	100	88	98	95
4B	CYANAZINE	4.00 L	1.500 LB/AC	POD									
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD									
5A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	80	85	0	80	88	100	92	90	100
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP									
5C	CYANAZINE	4.00 L	1.500 LB/AC	POD									
5D	DINOSEB	3.00 E	1.500 LB/AC	POD									
6A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	95	88	0	95	90	98	98	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	POD									
6E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD									
7A	CYANAZINE	4.00 L	2.250 LB/AC	EPP	90	88	0	90	90	100	88	92	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	92	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	90	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	98	90
11A	SD 95481	7.00 EC	.800 LB/AC	EPP	90	82	0	90	95	90	82	90	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	LINURON	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 NA	.250 %	PRE									
13C	ALACHLOR	4.00 E	2.500 LB/AC	PRE									
13D	LINURON	4.00 L	.750 LB/AC	PRE									

Table 21: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFI	VELE	COLQ	JIME	COCB	ILMG
14A	PARAQUAT	2.00 E	.250	LB/AC	PRE	69	73	8	68	95	75	92	93	85
14B	X-77 (SURFACTANT)	.50 NA	.250	%	PRE									
14C	ALACHLOR	4.00 E	2.500	LB/AC	PRE									
14D	METRIBUZIN 1	4.00 F	.350	LB/AC	PRE									
15A	ALACHLOR + GLYPHOSAT	4.00 E	4.000	LB/AC	PRE	78	73	12	78	90	80	92	95	85
15B	METRIBUZIN 1	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
POD JULY 16

Table 22: Soybean Early Preplant Incorporated—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK. AFTER APPLIED CRIN	GIEI	VELE	COLQ	JINE	COCA	ICMG
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	POD							
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	POD							
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD							
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	POD							
5D	DINOSEB	3.00 E	1.500 LB/AC	POD							
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	POD							
6E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD							
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 %	PRE							
13C	ALACHLOR	4.00 E	2.500 LB/AC	PRE							
13D	LINURON	4.00 L	.750 LB/AC	PRE							

Table 23: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED: GRAS	BXLE	CRIN	GIFI	VELE	COLQ	JIMS	ILMG
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	82	5	100	98	98	100	62
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
11C	MON 0139 4	5.00 E	.160 LB/AC	3TR								
11D	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	3TR								
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	3TR								
12D	HOE 33171	.75 EC	.200 LB/AC	3TR								
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	3TR								
13D	OXYFLUORFEN	1.50 EC	.050 LB/AC	3TR								
14A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	90	72	10	90	80	80	82	68
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
14C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
15	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(05):		5	7	11	5	7	8	7	7

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 O.M.: 2.4%
DATE TREATED: PRE MAY 16
MP JUNE 5
3TR JUNE 13

VOLUMES ARE 10-15 GALLONS

Table 24: Soybean Full Season Conventional—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK. AFTER APPLIED CRIN	SIEI	VELE	COLQ	LINE	CUCB	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	88	85	82
2B	METRIBUZIN 1	4.00 F	.340 LB/AC	PRE							
2C	MON 0139 4	5.00 E	.090 LB/AC	3TR							
2D	X-77 (SURFACTANT)	.50 WA	.130 %	3TR							
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	92	95	95	88	75	75
3B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
3C	MON 0139 4	5.00 E	.160 LB/AC	3TR							
3D	X-77 (SURFACTANT)	.50 WA	.130 %	3TR							
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	3TR							
4D	X-77 (SURFACTANT)	.50 WA	.130 %	3TR							
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	92	92	98	92	90	80
5B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
5C	MON 0139 4	5.00 E	.040 LB/AC	3TR							
5D	ACIFLUORFEN	2.00 L	.250 LB/AC	3TR							
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	3TR							
6D	ACIFLUORFEN	2.00 L	.250 LB/AC	3TR							
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	98	92	100	95	85	82
7B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
7C	MON 0139 4	5.00 E	.230 LB/AC	3TR							
7D	ACIFLUORFEN	2.00 L	.250 LB/AC	3TR							
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	3TR							
8D	ACIFLUORFEN	2.00 L	.500 LB/AC	3TR							
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	3TR							
9D	ACIFLUORFEN	2.00 L	.500 LB/AC	3TR							
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	3TR							
10D	ACIFLUORFEN	2.00 L	.500 LB/AC	3TR							

Table 24: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK. AFTER APPLIED CRIN	GIEI	VELE	COLQ	JIME	COCB	ILMA
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	2	92	92	88	88	78	70
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
11C	MON 0139 4	5.00 E	.160 LB/AC	3TR							
11D	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	3TR							
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	2	95	100	95	90	90	72
12B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
12C	MON 0139 4	5.00 E	.160 LB/AC	3TR							
12D	HOE 33171	.75 EC	.200 LB/AC	3TR							
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	92	100	85	78	75
13B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
13C	MON 0139 4	5.00 E	.140 LB/AC	3TR							
13D	OXYFLUORFEN	1.50 EC	.050 LB/AC	3TR							
14A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	5	88	72	55	82	50	75
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
14C	OIL CONCENTRATE	.00 AD	.500 PT/AC	MP							
15	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
			LSD(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 O.M.: 2.4%
DATE TREATED: PRE MAY 16
MP JUNE 5
3TR 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											

Table 25: 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"	68	73	0	68	85	80	0	55	78	80
10B	COC	1 QT	EP											
10C	BLAZER	0.38	EP											
10D	COC	1 PT	EP											
11A	ASSURE	0.125	EP	7"	100	38	0	100	0	75	0	100	0	83
11B	COC	1 QT	EP											
11C	CLASSIC	0.012	EP											
11D	X-77	0.5%	EP											
12A	VERDICT	0.09	EP	7"	88	63	0	88	50	78	0	88	48	78
12B	COC	1 QT	EP											
12C	COBRA	0.2	EP											
13A	LASSO ME	2.5	PRE	30"	95	68	0	95	100	58	0	95	100	58
13B	METRIBUZIN	0.5	PRE											
14A	LASSO ME	2.5	PRE	30"	98	68	0	98	100	70	0	98	100	70
14B	METRIBUZIN	0.5	PRE											
14C	BASAGRAN	0.75	EP											
14D	COC	1 QT	EP											
15A	LASSO ME	2.5	PRE	30"	98	78	0	98	100	75	0	98	100	73
15B	METRIBUZIN	0.5	PRE											
15C	BLAZER	0.38	EP											
15D	COC	1 PT	EP											
16A	LASSO ME	2.5	PRE	30"	88	70	0	88	93	63	0	88	93	63
16B	BASAGRAN	0.75	EP											
16C	COC	1 QT	EP											
17A	LASSO ME	2.5	PRE	30"	88	73	0	88	100	73	0	88	100	73
17B	BLAZER	0.38	EP											
17C	COC	1 PT	EP											

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											

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											

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											

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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WKS. AFTER APPLIED								
					GRAS	BRLE	CRGN	GIFT	COCK	BLWS	PESW	MRTL	CORN
1A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	90	80	0	90	93	77	93	100	97
1B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	33	0	90	80	57	17	83	97
2B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
2C	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	80	0	100	100	97	57	90	100
3B	LIBORON	4.00 L	1.000 LB/AC	PRE									
3C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	73	70	0	73	77	70	73	67	97
4B	PPG-844	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	87	57	0	87	83	73	50	63	93
5B	PPG-844	2.00 E	.250 LB/AC	PRE									
5C	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
6A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	60	0	87	77	73	43	70	97
6B	PPG-844	2.00 E	.400 LB/AC	PRE									
6C	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
7A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	40	0	87	87	83	20	100	100
7B	PPG-844	2.00 E	.250 LB/AC	PRE									
7C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
7D	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	90	63	3	90	90	80	63	93	100
8B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
8C	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
8D	PPG-844	2.00 E	.200 LB/AC	EP									
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	97	57	3	93	100	80	67	97	73
9B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
9C	PARAQUAT 2	2.00 S	.250 LB/AC	PRE									
9D	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
10A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	93	63	3	93	100	90	43	100	100
10B	LIBORON	4.00 L	1.000 LB/AC	PRE									
10C	PARAQUAT 2	2.00 S	.250 LB/AC	PRE									
10D	X-77 (SURFACTANT)	.50 VA	.250 %	PRE									
11A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	87	73	7	97	93	73	57	77	100
11B	PPG 1013	.25 EC	.200 LB/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 WK. AFTER APPLIED GRAS	ABLE	CSIN	GIBI	COLQ	BLAD	PESA	MRIL	CORN
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	77	53	3	80	100	47	47	80	63
12B	PPG 1013	.25 EC	.300 LB/AC	PRE									
12C	OIL CONCENTRATE	.00 AD	1.000 NT/AC	PRE									
13A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	77	37	7	77	90	43	37	73	80
13B	PPG 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	83	27	0	83	93	27	10	77	97
14B	PPG 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	97	40	3	97	90	73	13	90	93
15B	PPG 1013	.25 EC	.200 LB/AC	PRE									
15C	PARAQUAT 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	87	40	0	87	77	50	20	83	97
16B	PPG 1013	.25 EC	.300 LB/AC	PRE									
16C	PARAQUAT 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	90	57	0	90	70	57	57	97	70
17B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
17C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
17D	PPG 1013	.25 EC	.300 LB/AC	EP									
18A	AC 214	1.50 AS	.130 LB/AC	PRE	97	97	0	97	100	97	100	100	100
18B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									
19A	AC 214	1.50 AS	.190 LB/AC	PRE	100	100	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	100	100	0	100	100	100	100	100	97
20B	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									
21A	AC 214	1.50 AS	.130 LB/AC	PRE	100	100	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	97	97	0	97	100	97	100	100	100
22B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE									
23A	AC 214	1.50 AS	.250 LB/AC	PRE	100	97	0	100	100	97	100	100	97
23B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE									

Table 29: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFI	COLQ	ELNS	PESW	MXIL	CORW
24A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	93	67	0	93	100	47	60	97	100
24B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE									
24C	X-77 (SURFACTANT)	.50 AA	.250 %	PRE									
25A	FMC 57020	4.00 EC	1.250 LB/AC	PRE	100	90	3	100	100	87	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	53	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	77	73	0	77	100	67	47	100	100
29B	BROMOXYNIL 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	CLOPROXYDIM	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	CLOPROXYDIM	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	67	77
34B	CLOPROXYDIM	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	CLOPROXYDIM	4.00 E	.300 LB/AC	MP									
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
35D	CLOPROXYDIM	4.00 E	.200 LB/AC	SEQ									
35E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ									

Table 29: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFT	COCL	SLNS	PESW	MXTL	CORN
38A	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE	97	83	0	97	100	83	100	100	100
38B	HOE 561	1.67 F	.500	LB/AC	PRE									
38C	HOE 33171	.75 EC	.200	LB/AC	MP									
37A	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE	93	80	0	93	97	50	100	100	100
37B	HOE 561	1.67 E	.750	LB/AC	PRE									
37C	HOE 33171	.75 EC	.200	LB/AC	MP									
34A	METOLACHLOR	5.00 E	2.000	LB/AC	PRE	100	83	0	100	93	77	97	100	100
34B	HOE 39565	1.78 EC	1.000	LB/AC	PRE									
34A	METOLACHLOR	5.00 E	2.500	LB/AC	PRE	100	90	0	100	93	90	100	100	100
34B	HOE 39565	1.78 EC	1.500	LB/AC	PRE									
40A	HOE 561	1.67 E	.500	LB/AC	PRE	93	90	0	93	100	83	100	100	100
40B	METOLACHLOR	5.00 E	2.500	LB/AC	PRE									
40C	METRIBUZIN	75.00 DF	.500	LB/AC	PRE									
41A	HOE 561	1.67 E	.750	LB/AC	PRE	97	87	0	97	97	83	100	100	100
41B	METOLACHLOR	5.00 E	2.500	LB/AC	PRE									
41C	METRIBUZIN	75.00 DF	.500	LB/AC	PRE									
42A	HOE 561	1.67 E	1.000	LB/AC	PRE	100	93	3	100	97	93	100	100	100
42B	METOLACHLOR	5.00 E	2.500	LB/AC	PRE									
42C	METRIBUZIN	75.00 DF	.500	LB/AC	PRE									
43A	FLUAZIFOP BUTYL	4.00 E	.250	LB/AC	MP	97	23	0	97	87	53	63	67	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	90	30	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	100	50	0	100	73	47	43	90	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									
46A	DIKEGULAC	4.00 AS	1.000	LB/AC	PRE	100	87	3	93	100	57	97	100	100
46B	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE									
46C	HOE 561	1.67 F	.500	LB/AC	PRE									

Table 29: continued

TRT	HERBICIDE			APPL	EVALUATED 4 WK. AFTER APPLIED								
NO.	TREATMENT	FORMULA	RATE	METH	GRAS	BRLE	CRIN	WIFI	COLQ	SLNS	PESW	MRIL	CORN
47A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	100	87	0	100	100	83	100	100	100
47B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
47C	MOE 561	1.67 E	.750 LB/AC	POE									
48A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	100	90	7	100	100	90	97	100	100
48B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
48C	MOE 561	1.67 E	1.000 LB/AC	PRE									
49A	DOWCO 453	2.00 E	.130 LB/AC	PRE	90	80	0	90	100	87	60	90	100
49B	LINURON	4.00 L	1.000 LB/AC	PRE									
49C	OIL CONCENTRATE	.00 AD	1.000 GT/AC	PRE									
50A	DOWCO 453	2.00 E	.250 LB/AC	PRE	97	80	0	97	100	90	60	97	93
50B	LINURON	4.00 L	1.000 LB/AC	PRE									
50C	OIL CONCENTRATE	.00 AD	1.000 GT/AC	PRE									
51A	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE	97	53	0	97	80	23	60	90	90
51B	X-77 (SURFACTANT)	.50 AA	.250 %	PRE									
51C	DOWCO 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 GT/AC	MP									
52A	LINURON	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 AA	.250 %	PRE									
52D	DOWCO 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 GT/AC	MP									
53A	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	100	80	7	100	93	77	97	100	100
53B	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	MP									
53C	BENTAZON	4.00 E	1.000 LB/AC	MP									
53D	OIL CONCENTRATE	.00 AD	1.000 GT/AC	MP									
54A	CP 55947	8.00 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	MOE 561	1.67 E	.750 LB/AC	POE	100	97	0	100	93	93	100	100	100
55B	MOE 55171	.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	NORFLURAZON	80.00 WP	1.000 LB/AC	PRE	100	90	3	100	97	93	100	100	100
56B	METRIBUZIN 1	4.00 F	.250 LB/AC	POE									
56C	GLYPHOSATE	4.00 E	1.500 LB/AC	POE									

Table 29: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL TIME	EVALUATED 4 WK. AFTER APPLIED: GRAS	SOLE	CRIN	GIFT	COCK	BIND	PESA	MUTE	CORN
57A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	100	40	0	100	87	27	70	97	73
57B	BENTAZON	4.00 L	1.000 LB/AC	MP									
57C	OIL CONCENTRATE	.00 AV	1.000 QT/AC	MP									
58A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	93	43	0	93	90	23	77	57	53
58B	BENTAZON	4.00 L	1.000 LB/AC	MP									
58C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP									
58D	OIL CONCENTRATE	.00 AV	1.000 QT/AC	MP									
59A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	97	20	0	97	83	30	50	93	67
59B	BENTAZON	4.00 L	1.000 LB/AC	MP									
59C	OIL CONCENTRATE	.00 AV	1.000 QT/AC	MP									
60A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	93	53	0	93	70	53	63	80	87
60B	BENTAZON	4.00 L	1.000 LB/AC	MP									
60C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP									
60D	OIL CONCENTRATE	.00 AV	1.000 QT/AC	MP									
			LSD(05):		11	31	NS	12	20	32	38	24	29

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

SOIL TYPE: MARY SILT LOAM
PH: 5.1 O.M.: 2.9%
DATE TREATED: PRE JUNE 13
EP JUNE 25
MP JULY 2
SEQ JULY 16
LP JULY 16

TREATMENTS 27-31 10 GPA

Table 30: No-Tillage Soybeans—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 8 WK. AFTER APPLIED CRTY	GIET	COLW	BLNS	PESW	MXIL	CORW
1A	ALACHLOR	4.00 E	3.000	LB/AC	PRE	0	90	93	77	93	100	97
1B	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
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	0	100	100	97	47	90	100
3B	LINURON	4.00 L	1.000	LB/AC	PRE							
3C	PARAQUAT PLUS	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	0	73	70	70	73	57	97
4B	PPG-844	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	53	93
5B	PPG-844	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
6B	PPG-844	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
7B	PPG-844	2.00 E	.250	LB/AC	PRE							
7C	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE							
7D	X-77 (SURFACTANT)	.50 WA	.250	%	PRE							
8A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	3	90	90	80	23	93	100
8B	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE							
8C	X-77 (SURFACTANT)	.50 WA	.250	%	PRE							
8D	PPG-844	2.00 E	.200	LB/AC	EP							
9A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	3	93	100	70	67	97	73
9B	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE							
9C	PARAQUAT 2	2.00 S	.250	LB/AC	PRE							
9D	X-77 (SURFACTANT)	.50 WA	.250	%	PRE							
10A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	5	93	100	90	43	100	100
10B	LINURON	4.00 L	1.000	LB/AC	PRE							
10C	PARAQUAT 2	2.00 S	.250	LB/AC	PRE							
10D	X-77 (SURFACTANT)	.50 WA	.250	%	PRE							
11A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	7	87	93	73	57	77	100
11B	PPG 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 METH	EVALUATED 8 WK. AFTER APPLIED CRTN	GIFI	COLQ	GLNS	PESW	MRTL	CORN
12A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	3	80	100	47	47	80	63
12B	PPG 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	PPG 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	PPG 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	97	83	73	10	90	93
15B	PPG 1013	.25 EC	.200 LB/AC	PRE							
15C	PARAQUAT 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	PPG 1013	.25 EC	.300 LB/AC	PRE							
16C	PARAQUAT 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	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
17C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
17D	PPG 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.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED & YR. AFTER APPLIED CRIN	GLSI	COLQ	BLNS	RESW	MRIL	COBW
24A	FMC 57020	4.00 EC	1.250	LB/AC	PRE	0	93	100	27	57	97	100
24B	PARAQUAT PLUS	2.10 E	.250	LB/AC	PRE							
24C	X-77 (SURFACTANT)	.50 AA	.250	%	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	BROMOXYNIL +	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	CLOPROXYDIM	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	CLOPROXYDIM	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	CLOPROXYDIM	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	CLOPROXYDIM	4.00 E	.300	LB/AC	MP							
35C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP							
35D	CLOPROXYDIM	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 CRTN	SIET	COLQ	BLNS	PESN	MRTL	CORN
36A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	3	97	100	80	100	100	100
36B	HOE 561	1.67 E	.500 LB/AC	PRE							
36C	HOE 33171	.75 EC	.200 LB/AC	MP							
37A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	93	97	60	100	100	100
37B	HOE 561	1.67 E	.750 LB/AC	PRE							
37C	HOE 33171	.75 EC	.200 LB/AC	MP							
38A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	3	100	93	73	97	100	100
38B	HOE 39365	1.78 EC	1.000 LB/AC	PRE							
39A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	100	93	90	100	100	100
39B	HOE 39365	1.78 EC	1.300 LB/AC	PRE							
40A	HOE 561	1.67 E	.500 LB/AC	PRE	0	93	100	83	100	100	100
40B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE							
40C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
41A	HOE 561	1.67 E	.750 LB/AC	PRE	0	97	97	60	93	100	100
41B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE							
41C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
42A	HOE 561	1.67 E	1.000 LB/AC	PRE	3	100	97	93	100	100	100
42B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE							
42C	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
43A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	MP	0	97	87	53	63	67	37
43B	BENTAZON	4.00 E	1.000 LB/AC	MP							
43C	OIL CONCENTRATE	.00 AO	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 AO	1.000 QT/AC	MP							
44C	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP							
44D	OIL CONCENTRATE	.00 AO	1.000 QT/AC	LP							
45A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	100	73	47	43	90	93
45B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
45C	OIL CONCENTRATE	.00 AO	.500 QT/AC	MP							
45D	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP							
45E	OIL CONCENTRATE	.00 AO	1.000 QT/AC	LP							
46A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	3	93	100	80	97	100	100
46B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
46C	HOE 561	1.67 E	.500 LB/AC	PRE							

Table 30: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVALUATED 8 WK. AFTER APPLIED						
						CRIN	GIST	COLQ	BLNS	PESW	MRIL	CORN
47A	ORYZALIN	4.00 AS	1.000	LB/AC	PRE	0	100	100	83	100	100	100
47B	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE							
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	PRE							
48C	HOE 561	1.67 E	1.000	LB/AC	PRE							
49A	DOWCO 453	2.00 E	.130	LB/AC	PRE	0	90	100	87	60	90	97
49B	LINURON	4.00 L	1.000	LB/AC	PRE							
49C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	PRE							
50A	DOWCO 453	2.00 E	.250	LB/AC	PRE	0	97	100	90	60	97	93
50B	LINURON	4.00 L	1.000	LB/AC	PRE							
50C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	PRE							
51A	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE	0	97	80	23	80	90	90
51B	X-77 (SURFACTANT)	.50 NA	.250	%	PRE							
51C	DOWCO 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	PRE	3	100	100	97	100	100	100
52B	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE							
52C	X-77 (SURFACTANT)	.50 NA	.250	%	PRE							
52D	DOWCO 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	FLUAZIFOP BUTYL	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	5.00 EC	2.500	LB/AC	PRE	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	PRE	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	FLUFLURAZON	80.00 AP	1.000	LB/AC	PRE	3	100	97	80	93	100	100
56B	METRIBUZIN 1	4.00 F	.250	LB/AC	PRE							
56C	GLYPHOSATE	4.00 E	1.500	LB/AC	PRE							

Table 30: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 9 WK. AFTER APPLIED DRIW	GIFI	COLQ	BLNS	PESA	MRIL	CORN
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							
58D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
59A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	0	97	83	50	50	93	67
59B	BENTAZON	4.00 E	1.000 LB/AC	MP							
59C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
60A	SETHOXYDIM	1.53 EC	.300 LB/AC	MP	7	93	70	53	63	80	87
60B	BENTAZON	4.00 E	1.000 LB/AC	MP							
60C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
60D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
			LSD(05):		NS	12	19	32	38	24	30

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

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

TREATMENTS 27-31 10 GPA

Table 31: No-Tillage Full Season Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 29 GRAS	JUNE 29 BRLE	JUNE 29 CRBW	JUNE 29 GIFT	JUNE 29 RRPW	JUNE 29 ILMG	JUNE 29 PRSI	JULY 29 CRBW	JULY 29 GIFT	JULY 29 RRPW	JULY 29 ILMG	JULY 29 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	85	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 ME	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 ME	3.500 LB/AC	PRE	98	92	8	98	100	88	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	98	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	78	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	95	85	15	98	88	82	88	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 SEAS	JUNE 29 AMLE	JUNE 29 CRIN	JUNE 29 GIFI	JUNE 29 SRPW	JUNE 29 ILMG	JUNE 29 PRSI	JULY 29 CRIN	JULY 29 GIFI	JULY 29 SRPW	JULY 29 ILMG	JULY 29 PRSI
13A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	99	89	12	98	99	94	95	20	95	92	75	88
13B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
13C	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP												
14	GLYPHOSATE	4.00 E	1.500 LB/AC	SOP	80	58	8	80	50	93	62	0	88	60	65	68
			LSD(05):		8	15	NS	8	11	17	13	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: SOP 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 GRAS	BHLE	CRIN	COLQ	BLNS	EVAL. 8 WEEK CRIN	COLQ	BLNS
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	93	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 98 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	87	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	55	53
19	METOLACHLOR	8.00 E	4.000	LB/AC	PRE	100	43	0	57	77	0	55	73

Table 32: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	EVAL. 4 WEEK GRAS	EVAL. 4 WEEK BYLE	EVAL. 4 WEEK CHIN	EVAL. 4 WEEK COLQ	EVAL. 4 WEEK BLNS	EVAL. 8 WEEK CHIN	EVAL. 8 WEEK COLQ	EVAL. 8 WEEK 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	80	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 99 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	93
26B	ACIFLUORFEN	2.00 L	.250	LB/AC	MP								
26C	TRITON AG 99 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 (CULTIVATED)	.00 CK	.000			100	100	0	100	100	0	100	100
28	CHECK (CULTIVATED)	.00 CK	.000										
				LSD(05):		7	13	6	11	11	5	19	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 15
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 GRAS	EVAL. 4 WEEKS BRLE	EVAL. 4 WEEKS CRIN	EVAL. 4 WEEKS COLQ	EVAL. 4 WEEKS BLNS	EVAL. 8 WEEK CRIN	EVAL. 8 WEEK COLQ	EVAL. 8 WEEK 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	PRE	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	30	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 GRAS	EVAL. 4 WEEKS BRLE	EVAL. 4 WEEK CRIN	EVAL. 4 WEEK COLQ	EVAL. 4 WEEK BLNS	EVAL. 8 WEEK CRIN	EVAL. 8 WEEK COLQ	EVAL. 8 WEEK BLNS
19A	ETHALFLURALIN	3.00 E	1.310 LB/AC	PPI	63	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	80
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	9	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
8 WEEK PREEMERGENCE EVALUATION JULY 26
8 WEEK POSTEMERGENCE EVALUATION AUGUST 10

Table 34: No-Tillage Soybeans

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 3 GRAS	AUGUST 3 ABLE	AUGUST 3 CRIN	AUGUST 3 GIFI	AUGUST 3 FAPA	AUGUST 3 PESW	AUGUST 3 CORN	SEPT. 6 CRIN	SEPT. 6 GIFI	SEPT. 6 FAPA	SEPT. 6 PESW	SEPT. 6 CORN
1A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	100	93	0	87	100	90	100	0	93	93	80	90
1B	GLYPHOSATE	4.00 L	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	OIL 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	97	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	97	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												

Table 34: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUGUST 3 GRAS	AUGUST 3 BRLE	AUGUST 3 CRIN	AUGUST 3 GIFI	AUGUST 3 FAPA	AUGUST 3 PESW	AUGUST 3 CORW	SEPT. 6 CRIN	SEPT. 6 GIFI	SEPT. 6 FAPA	SEPT. 6 PESW	SEPT. 6 CORW
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 VA	.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	OIL CONCENTRATE	1.00 AD	1.000	QT/AC	PRE												
14A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	53	87	0	63	50	53	100	0	0	0	27	33
14B	PPG 1013	.25 EC	.300	LB/AC	PRE												
14C	OIL CONCENTRATE	1.00 AD	1.000	QT/AC	PRE												
15A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	83	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 VA	.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 VA	.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 VA	.250	%	PRE												
18A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	83	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 VA	.250	%	PRE												
19A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	53	63	0	80	63	63	53	0	0	0	0	0
19B	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE												
19C	X-77 (SURFACTANT)	.50 VA	.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												

Table 34: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUGUST 3 GRAS	AUGUST 3 BRLE	AUGUST 3 CRIN	AUGUST 3 GIEI	AUGUST 3 EAPA	AUGUST 3 PESW	AUGUST 3 CORN	SEPT. 6 CRIN	SEPT. 6 GIEI	SEPT. 6 EAPA	SEPT. 6 PESW	SEPT. 6 CORN
23A	AC 214	1.50 AS	.130	LB/AC	PRE	100	87	0	100	100	97	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	67	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	DINOSEB	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	BROMOXYNIL 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	LINURON	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												

Table 34: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUGUST 3 GRAS	AUGUST 3 BRLE	AUGUST 3 CRIN	AUGUST 3 SIFI	AUGUST 3 EAPA	AUGUST 3 PESW	AUGUST 3 CORN	SEPT. 6 CRIN	SEPT. 6 SIFI	SEPT. 6 EAPA	SEPT. 6 PESW	SEPT. 6 CORN
36A	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE	100	23	0	100	100	20	27	0	100	100	0	0
36B	CLOPROXYDIM	4.00 E	.300	LB/AC	MP												
36C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP												
37A	METRIBUZIN 1	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	SEQ												
37E	OIL CONCENTRATE	.00 AD	1.000	QT/AC	SEQ												
38A	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE	97	97	0	97	100	100	97	0	60	60	97	90
38B	HOE 561	1.67 E	.500	LB/AC	PRE												
38C	HOE 33171	.75 EC	.200	LB/AC	MP												
39A	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE	100	93	0	100	100	90	100	0	100	80	63	97
39B	HOE 561	1.67 E	.750	LB/AC	PRE												
39C	HOE 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 1	4.00 F	.380	LB/AC	PRE												
40C	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE												
40D	X-77 (SURFACTANT)	.50 AA	.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 AA	.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	HOE 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	HOE 39866	1.78 EC	1.300	LB/AC	PRE												
44A	HOE 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	HOE 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	HOE 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 METH	AUGUST 3 GRAS	AUGUST 3 BRLE	AUGUST 3 CHIN	AUGUST 3 GIEI	AUGUST 3 EAPA	AUGUST 3 PESW	AUGUST 3 CORN	SEPT. 6 CHIN	SEPT. 6 GIEI	SEPT. 6 EAPA	SEPT. 6 PESW	SEPT. 6 CORN
47A	FLUAZIFOP BUTYL	4.00 E	.250	LB/AC	MP	50	43	0	50	53	40	70	0	40	30	30	27
47B	BENTAZON	4.00 E	1.000	LB/AC	MP												
47C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP												
48A	BENTAZON	4.00 E	1.000	LB/AC	MP	37	43	0	30	27	43	47	0	83	67	33	0
48B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP												
48C	FLUAZIFOP BUTYL	4.00 E	.250	LB/AC	LP												
48D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LP												
49A	BENTAZON	4.00 E	1.000	LB/AC	MP	57	67	0	53	60	57	70	0	93	93	23	23
49B	ACIFLUORFEN	2.00 L	.500	LB/AC	MP												
49C	OIL CONCENTRATE	.00 AD	.500	QT/AC	MP												
49D	FLUAZIFOP BUTYL	4.00 E	.250	LB/AC	LP												
49E	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LP												
50A	ORYZALIN	4.00 AS	1.000	LB/AC	PRE	97	97	0	97	97	97	100	0	90	77	87	97
50B	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE												
50C	HOE 661	1.67 E	.500	LB/AC	PRE												
51A	ORYZALIN	4.00 AS	1.000	LB/AC	PRE	100	90	3	100	100	87	97	0	100	100	23	57
51B	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE												
51C	HOE 661	1.67 E	.750	LB/AC	PRE												
52A	ORYZALIN	4.00 AS	1.000	LB/AC	PRE	100	97	13	100	100	97	97	0	97	97	63	63
52B	METRIBUZIN 1	4.00 F	.500	LB/AC	PRE												
52C	HOE 661	1.67 E	1.000	LB/AC	PRE												
53A	DOWCO 453	2.00 E	.130	LB/AC	PRE	97	60	0	97	67	53	33	0	100	73	0	0
53B	LINURON	4.00 L	1.000	LB/AC	PRE												
53C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	PRE												
54A	DOWCO 453	2.00 E	.250	LB/AC	PRE	97	87	0	97	97	87	60	0	97	97	30	30
54B	LINURON	4.00 L	1.000	LB/AC	PRE												
54C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	PRE												
55A	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE	93	87	0	100	93	87	100	0	67	47	57	100
55B	X-77 (SURFACTANT)	.50 WA	.250	%	PRE												
55C	DOWCO 453	2.00 E	.130	LB/AC	MP												
55D	BENTAZON	4.00 E	1.000	LB/AC	MP												
55E	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP												
56A	LINURON	4.00 L	1.000	LB/AC	PRE	93	97	0	100	93	97	100	0	97	57	93	93
56B	PARAQUAT PLUS	2.00 E	.250	LB/AC	PRE												
56C	X-77 (SURFACTANT)	.50 WA	.250	%	PRE												
56D	DOWCO 453	2.00 E	.130	LB/AC	MP												
56E	BENTAZON	4.00 E	1.000	LB/AC	MP												
56F	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP												

Table 34: continued

TRT NO.	PESTICIDE TREATMENT	FORMULA	RATE		APPL METH	ADJUST 4 GRAS	ADJUST 4 BRLE	ADJUST 4 CRIN	ADJUST 4 GIFI	ADJUST 4 FAPA	ADJUST 4 PESM	ADJUST 4 CORN	SEPT. 6 CRIN	SEPT. 6 GIFI	SEPT. 6 FAPA	SEPT. 6 PESM	SEPT. 6 CORN
57A	GLYPHOSATE	4.00 E	1.500	LB/AC	PRE	100	100	0	100	100	100	100	0	97	97	97	97
57B	FLUAZIFOP BUTYL	4.00 E	.250	LB/AC	MP												
57C	BENTAZON	4.00 E	1.000	LB/AC	MP												
57D	OIL CONCENTRATE	1.00 AS	1.000	QT/AC	MP												
58A	CP 55097	8.00 EC	2.500	LB/AC	PRE	100	97	13	100	100	97	100	0	100	97	83	97
58B	GLYPHOSATE	4.00 E	1.500	LB/AC	PRE												
59A	HOE 561	1.67 E	.750	LB/AC	PRE	100	100	0	100	100	100	100	0	63	53	100	100
59B	HOE 33171	.75 EC	.200	LB/AC	MP												
59C	BENTAZON	4.00 E	1.000	LB/AC	MP												
59D	ACIFLUORFEN	2.00 L	.500	LB/AC	MP												
60A	NORFLURAZON	80.00 WP	1.000	LB/AC	PRE	93	97	33	93	97	97	97	33	97	97	97	87
60B	METRIBUZIN 1	4.00 F	.250	LB/AC	PRE												
60C	GLYPHOSATE	4.00 E	1.500	LB/AC	PRE												
			LSD(05):			42	33	8	44	46	40	44	7	53	55	48	54

LOCATION: PRINCETON KY SOIL TYPE: ZANESVILLE SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 5.6 O.M.: 2.3%
DATE PLANTED: JUNE 22 DATE TREATED: PRE JULY 3
VARIETY: ESSEX EP,MP JULY 20
LP,SEQ AUG 9

Table 35: Johnsongrass in Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1 CRIN	JOHS	---AUG12 - CRIN	JOHS
1A	Y 6202	.80 L	.060 LB/AC	1AJ	0	92	0	95
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	1AJ				
2A	Y 6202	.80 L	.125 LB/AC	1AJ	0	98	0	98
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	1AJ				
3A	Y 6202	.80 L	.060 LB/AC	1AJ	0	98	0	90
3B	X-77 (SURFACTANT)	.50 VA	.250 %	1AJ				
4A	Y 6202	.80 L	.125 LB/AC	1AJ	0	99	0	98
4B	X-77 (SURFACTANT)	.50 VA	.250 %	1AJ				
5A	Y 6202	.80 L	.125 LB/AC	1AJ	0	82	0	90
5B	DPX F6025	75.00 DF	.008 LB/AC	1AJ				
5C	X-77 (SURFACTANT)	.50 VA	.250 %	1AJ				
6A	Y 6202	.80 L	.180 LB/AC	1AJ	0	90	0	95
6B	DPX F6025	75.00 DF	.004 LB/AC	1AJ				
6C	X-77 (SURFACTANT)	.50 VA	.250 %	1AJ				
7A	Y 6202	.80 L	.125 LB/AC	1AJ	0	95	0	100
7B	BENTAZON	4.00 E	.500 LB/AC	1AJ				
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	1AJ				
8A	Y 6202	.80 L	.125 LB/AC	1AJ	0	92	0	95
8B	BENTAZON	4.00 E	1.000 LB/AC	1AJ				
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	1AJ				
9	UBI 1484	2.00 L	1.000 LB/AC	LLP	0	10	0	0
10	UBI 1484	2.00 L	1.500 LB/AC	LLP	0	10	0	0
11A	UBI 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	UBI 1484	2.00 L	1.500 LB/AC	LLP	0	85	0	92
12B	FLUAZIFOP BUTYL	4.00 E	.200 LB/AC	LLP				
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
13A	UBI 1484	2.00 L	1.000 LB/AC	LLP	0	85	0	60
13B	SETHOXYDIM	1.53 EC	.200 LB/AC	LLP				
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP				
14A	UBI 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 METH	---JULY 1 CRIN	---JULY 1 JOGR	---AUG12 - CRIN	---AUG12 - JOGR
15A	BENTAZON	4.00 E	.750	LB/AC	3"B	0	95	0	90
15B	ACIFLUORFEN	2.00 L	.500	LB/AC	3"B				
15C	OIL CONCENTRATE	.00 AD	.500	QT/AC	3"B				
15D	SETHOXYDIM	1.53 EC	.200	LB/AC	5"G				
15E	OIL CONCENTRATE	.00 AD	1.000	QT/AC	5"G				
16A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	100	0	98
16B	DOWCO 453	2.00 E	.060	LB/AC	1SJ				
16C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
17A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	100	0	100
17B	DOWCO 453	2.00 E	.130	LB/AC	1SJ				
17C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
18A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	100	0	100
18B	DOWCO 453	2.00 E	.190	LB/AC	1SJ				
18C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
19A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	100	0	95
19B	DOWCO 453	2.00 E	.250	LB/AC	1SJ				
19C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
20A	BENTAZON	4.00 E	.750	LB/AC	3"B	0	95	0	92
20B	ACIFLUORFEN	2.00 L	.500	LB/AC	3"B				
20C	SETHOXYDIM	1.53 EC	.300	LB/AC	3"B				
20D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	3"B				
21A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	100	0	100
21B	BENTAZON	4.00 E	.750	LB/AC	1SJ				
21C	DOWCO 453	2.00 E	.130	LB/AC	1SJ				
21D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
22A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	19	75	0	88
22B	BENTAZON	4.00 E	.750	LB/AC	1SJ				
22C	DOWCO 453	2.00 E	.190	LB/AC	1SJ				
22D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
23A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	100	0	95
23B	BENTAZON	4.00 E	.750	LB/AC	1SJ				
23C	DOWCO 453	2.00 E	.250	LB/AC	1SJ				
23D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
24A	METRIBUZIN 1	4.00 F	.380	LB/AC	PRE	0	95	0	92
24B	ACIFLUORFEN	2.00 L	.500	LB/AC	1SJ				
24C	DOWCO 453	2.00 E	.130	LB/AC	1SJ				
24D	OIL CONCENTRATE	.00 AD	.500	QT/AC	1SJ				

Table 35: continued

TRT NO.	TREATMENT	FORMULA	RATE	APPL METH	---JULY 1 CRIT	---JULY 1 JOB	---AUG12 - CRIT	---AUG12 - JOB
25A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	92
25B	ACIFLUORFEN	2.00 L	.500 LB/AC	1SJ				
25C	BOND 453	2.00 E	.190 LB/AC	1SJ				
25D	OIL CONCENTRATE	.00 AD	.500 WT/AC	1SJ				
26A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	98	0	90
26B	ACIFLUORFEN	2.00 L	.500 LB/AC	1SJ				
26C	BOND 453	2.00 E	.250 LB/AC	1SJ				
26D	OIL CONCENTRATE	.00 AD	.500 WT/AC	1SJ				
27A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	0	100	0	95
27B	BENTAZON	4.00 E	.750 LB/AC	1SJ				
27C	ACIFLUORFEN	2.00 L	.250 LB/AC	1SJ				
27D	BOND 453	2.00 E	.130 LB/AC	1SJ				
27E	OIL CONCENTRATE	.00 AD	.500 WT/AC	1SJ				
28A	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	0	48	0	80
28B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP				
29A	CLOPROXYDIM	4.00 E	.300 LB/AC	MP	0	62	0	88
29B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP				
30	HOE 33171	.75 EC	.150 LB/AC	LP	0	95	0	95
31A	HOE 33171	.75 EC	.150 LB/AC	LP	0	92	0	90
31B	BENTAZON	4.00 E	.750 LB/AC	LP				
32A	HOE 33171	.75 EC	.150 LB/AC	LP	0	80	0	80
32B	ACIFLUORFEN	2.00 L	.250 LB/AC	LP				
33A	HOE 33171	.75 EC	.200 LB/AC	LP	0	85	0	88
33B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP				
34A	HOE 33171	.75 EC	.200 LB/AC	LP	0	90	0	88
34B	ACIFLUORFEN	2.00 L	.500 LB/AC	LP				
34C	BENTAZON	4.00 E	.750 LB/AC	LP				
35A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	1SJ	0	100	0	95
35B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	1SJ				
36A	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	1SJ	0	95	0	100
36B	BENTAZON	4.00 E	1.000 LB/AC	1SJ				
36C	OIL CONCENTRATE	.00 AD	1.000 WT/AC	1SJ				
37A	FLUAZIFOP 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 WT/AC	LP				

Table 35: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---JULY 1 CRTN	---JULY 1 JOGR	---AUG12 - CRTN	---AUG12 - JOGR
38A	BENTAZON	4.00 F	1.000	LB/AC	EP	0	88	0	95
38B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	EP				
38C	FLUAZIFOP-P-BUTYL	4.00 E	.250	LB/AC	LEP				
38D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LEP				
39A	ACIFLUORFEN	2.00 L	.500	LB/AC	MP	0	95	0	92
39B	OIL CONCENTRATE	.00 AD	.500	QT/AC	MP				
39C	FLUAZIFOP-P-BUTYL	4.00 E	.250	LB/AC	LEP				
39D	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LEP				
40A	SC 1084	4.00 F	.380	LB/AC	MP	0	90	0	95
40B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
41A	SC 1084	4.00 E	.500	LB/AC	MP	0	100	0	95
41B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
42A	SC 1084	4.00 E	.380	LB/AC	MP	0	92	0	90
42B	ACIFLUORFEN	2.00 L	.500	LB/AC	MP				
42C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
43A	SC 1084	4.00 E	.500	LB/AC	MP	0	95	0	95
43B	ACIFLUORFEN	2.00 L	.500	LB/AC	MP				
43C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
44A	SC 1084	4.00 E	.250	LB/AC	MP	0	95	0	90
44B	BENTAZON	4.00 E	1.000	LB/AC	MP				
44C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
45A	SC 1084	4.00 E	.380	LB/AC	MP	0	98	0	95
45B	BENTAZON	4.00 E	1.000	LB/AC	MP				
45C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
46A	SC 1084	4.00 E	.500	LB/AC	MP	0	98	0	95
46B	BENTAZON	4.00 E	1.000	LB/AC	MP				
46C	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
47A	PP 005	1.00 E	.063	LB/AC	1SJ	0	100	0	98
47B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
48A	PP 005	1.00 E	.094	LB/AC	1SJ	0	98	0	95
48B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				
49A	PP 005	1.00 E	.125	LB/AC	1SJ	0	100	0	98
49B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	1SJ				

Table 35: continued

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1 CRTN	---JULY 1 JOGR	---AUG12 - CRTN	---AUG12 - JOGR
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	SEQ				
51D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ				
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	SEQ				
52D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ				
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"4,5"G JUNE 12
EP JUNE 18
MP JUNE 15
15"J JUNE 21
LP JUNE 25
15"J,LLP JUNE 25
SEQ JULY 6

TREATMENTS 1-8 18J = 12-24 INCH JOHNSONGRASS
TREATMENTS 9-16 LLP = 18 INCH JOHNSONGRASS
TREATMENTS 17-27 15J = 15 INCH JOHNSONGRASS
TREATMENTS 35,36,47-52 15J = 12-19 INCH JOHNSONGRASS
3"4 = 3 INCH BROADLEAF
5"G = 5 INCH GRASS

Table 36: Johnsongrass in Soybeans Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL TIME	---JULY 1 CRIN	JUGR	--AUGUST CRIN	JUGR
1A	Y 6202	.30 L	.060 LB/AC	MP	0	90	0	80
1B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP				
2A	Y 6202	.30 L	.125 LB/AC	MP	0	87	0	87
2B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP				
3A	Y 6202	.30 L	.060 LB/AC	LP	0	87	0	97
3B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	LP				
4A	Y 6202	.30 L	.125 LB/AC	LP	0	90	0	97
4B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	LP				
5A	Y 6202	.30 L	.060 LB/AC	MP	0	93	0	87
5B	SOY OIL	.00 AD	1.000 WT/AC	MP				
6A	Y 6202	.30 L	.125 LB/AC	MP	0	87	0	90
6B	SOY OIL	.00 AD	1.000 WT/AC	MP				
7A	Y 6202	.30 L	.060 LB/AC	LP	0	93	0	97
7B	SOY OIL	.00 AD	1.000 WT/AC	LP				
8A	Y 6202	.30 L	.125 LB/AC	LP	0	90	0	100
8B	SOY OIL	.00 AD	1.000 WT/AC	LP				
9A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	0	90	0	73
9B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP				
10A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	0	83	0	93
10B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	MP				
11A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	0	90	0	93
11B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	LP				
12A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	0	93	0	93
12B	OIL CONCENTRATE	.00 AD	1.000 WT/AC	LP				
13A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	0	90	0	87
13B	SOY OIL	.00 AD	1.000 WT/AC	MP				
14A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	0	93	0	93
14B	SOY OIL	.00 AD	1.000 WT/AC	MP				
15A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	0	90	0	93
15B	SOY OIL	.00 AD	1.000 WT/AC	LP				

Table 36: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1 CRIN	JUGS	--AUGUST CRIN	JUGS
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	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	0	93	0	90
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
26A	CLOPROXYDIM	4.00 E	.300 LB/AC	MP	0	90	0	83
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
27A	CLOPROXYDIM	4.00 E	.200 LB/AC	LP	0	93	0	93
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
28A	CLOPROXYDIM	4.00 E	.300 LB/AC	LP	0	93	0	90
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
29A	CLOPROXYDIM	4.00 E	.200 LB/AC	MP	0	90	0	80
29B	SOY OIL	.00 AD	1.000 QT/AC	MP				
30A	CLOPROXYDIM	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 TREATMENT	FORMULA	RATE		APPL METH	---JULY 1 CRIN	---JULY 1 JOGR	--AUGUST CRIN	--AUGUST JOGR
31A	CLOPROXYDIM	4.00 E	.200	LB/AC	LP	0	97	0	90
31B	SOY OIL	.00 AD	1.000	QT/AC	LP				
32A	CLOPROXYDIM	4.00 E	.300	LB/AC	LP	0	90	0	93
32B	SOY OIL	.00 AD	1.000	QT/AC	LP				
33A	SC 1084	4.00 E	.250	LB/AC	MP	0	93	0	90
33B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
34A	SC 1084	4.00 E	.500	LB/AC	MP	0	87	0	97
34B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP				
35A	SC 1084	4.00 E	.250	LB/AC	LP	0	90	0	97
35B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LP				
36A	SC 1084	4.00 E	.500	LB/AC	LP	0	93	0	100
36B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LP				
37A	SC 1084	4.00 E	.250	LB/AC	MP	0	90	0	83
37B	SOY OIL	.00 AD	1.000	QT/AC	MP				
38A	SC 1084	4.00 E	.500	LB/AC	MP	0	97	0	93
38B	SOY OIL	.00 AD	1.000	QT/AC	MP				
39A	SC 1084	4.00 E	.250	LB/AC	LP	0	90	0	90
39B	SOY OIL	.00 AD	1.000	QT/AC	LP				
40A	SC 1084	4.00 E	.500	LB/AC	LP	0	97	0	100
40B	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 NUM	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--JULY 1 CRIT	--JULY 1 JOBS	--AUGUST CRIN	--AUGUST JOBS
49	AC 214	1.50 AS	.380 LB/AC	LP	0	53	0	40
50A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	97	0	97
50B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
51A	DOWCO 453	2.00 E	.190 LB/AC	MP	0	93	0	93
51B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
52A	DOWCO 453	2.00 E	.130 LB/AC	LP	0	90	0	100
52B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
53A	DOWCO 453	2.00 E	.190 LB/AC	LP	0	90	0	97
53B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
54A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	93	0	90
54B	SOY OIL	.00 AD	1.000 QT/AC	MP				
55A	DOWCO 453	2.00 E	.190 LB/AC	MP	0	90	0	97
55B	SOY OIL	.00 AD	1.000 QT/AC	MP				
56A	DOWCO 453	2.00 E	.130 LB/AC	LP	0	97	0	100
56B	SOY OIL	.00 AD	1.000 QT/AC	LP				
57A	DOWCO 453	2.00 E	.190 LB/AC	LP	0	93	0	90
57B	SOY OIL	.00 AD	1.000 QT/AC	LP				
58A	HOE 33171	.75 EC	.100 LB/AC	MP	0	93	0	83
58B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
59A	HOE 33171	.75 EC	.150 LB/AC	MP	0	90	0	97
59B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
60A	HOE 33171	.75 EC	.100 LB/AC	LP	0	93	0	87
60B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
61A	HOE 33171	.75 EC	.150 LB/AC	LP	0	87	0	97
61B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
62A	HOE 33171	.75 EC	.100 LB/AC	MP	0	97	0	83
62B	SOY OIL	.00 AD	1.000 QT/AC	MP				
63A	HOE 33171	.75 EC	.150 LB/AC	MP	0	97	0	87
63B	SOY OIL	.00 AD	1.000 QT/AC	MP				
64A	HOE 33171	.75 EC	.100 LB/AC	LP	0	90	0	93
64B	SOY OIL	.00 AD	1.000 QT/AC	LP				

Table 36: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1 CRIN	---JULY 1 JOGR	--AUGUST CRIN	--AUGUST JOGR
55A	HOE 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
				LSD(05):	0	12	0	20

LOCATION: PRINCETON KY
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K
DATE PLANTED: MAY 15
VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM
PH: 6.5 O.M.: 3.0%
DATE TREATED: PRE MAY 16
MP JUNE 12
LP JUNE 17

Table 37: Johnsongrass Control in Soybeans with Scepter

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JULY 1 CRIN	---JULY 1 JOGR	---SEPT 1 CRIN	---SEPT 1 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
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
DATE PLANTED: MAY 16
VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM
PH: 6.3 O.M.: 1.4%
DATE TREATED: PPI MAY 16
PRE MAY 16
EP JUNE 13
MP JUNE 25
SAE JULY 6

Table 38: Cocklebur Control in Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JULY 12 CRIN	JULY 12 COCB	JULY 12 GIRN	AUG 12 CRIN	AUG 12 COCB
1A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	0	35	25	0	40
1B	NAPPA/DN	3.00 F	1.500	LB/AC	EP					
2A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	2	82	72	0	92
2B	NAPPA/DN	3.00 F	2.250	LB/AC	MP					
3A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	5	95	100	0	92
3B	NAPPA/DN	3.00 E	3.000	LB/AC	LP					
4A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	0	90	72	0	92
4B	NAPPA/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	2	98	98	0	95
5B	NAPPA/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	98	90	0	100
6B	NAPPA/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	12	100	98	0	98
7B	NAPPA/DN	3.00 E	1.500	LB/AC	LP					
7C	2,4-DB	2.00 E	.030	LB/AC	LP					
7D	NAPPA/DN	3.00 E	1.500	LB/AC	10D					
7E	2,4-DB	2.00 E	.030	LB/AC	10D					
8A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	0	92	98	0	92
8B	BENTAZON	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	PRE	0	98	100	0	100
9B	BENTAZON	4.00 E	.750	LB/AC	MP					
9C	2,4-DB	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 METH	JULY 12 CRIN	JULY 12 COCB	JULY 12 GIRW	AUG 12 CRIN	AUG 12 COCB
13A	ALACHLOR	4.00 E	2.500	LB/AC	PRE	0	90	98	0	90
13B	ACIFLUORFEN	2.00 L	.380	LB/AC	MP					
13C	2,4-DB	2.00 E	.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	BENTAZON	4.00 E	.750	LB/AC	MP					
14D	TRITON AG 98 SURFACT	.00 NA	.130	%	MP					
15A	ALACHLOR	4.00 E	1.250	LB/AC	PRE	0	0	25	0	0
15B	NORFLURAZON	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	PRE	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 NA	.250	%	1TR					
24A	DPX F6025	75.00 DF	.020	LB/AC	1TR	0	98	50	0	95
24B	X-77 (SURFACTANT)	.50 NA	.250	%	1TR					
25	UBI 1484	2.00 L	1.500	LB/AC	LP	0	95	92	0	98
26	UBI 1484	2.00 L	1.500	LB/AC	LLP	8	62	72	0	98
27	UBI 1484	2.00 L	1.500	LB/AC	18W	2	50	60	0	70
28	UBI 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	88	92	0	78
31B	METRIBUZIN 1	4.00 F	.130	LB/AC	PRE					

Table 38: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 12 CRIN	JULY 12 COCB	JULY 12 GIRW	AUG 12 CRIN	AUG 12 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 AP	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. SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.8 O.M.: 1.3%
DATE PLANTED: MAY 16 DATE TREATED: PPI MAY 16
VARIETY: ESSEX PRE MAY 16
EP,1TR JUNE 4
MP JUNE 9
LP JUNE 12
LLP,10D JUNE 22
1RW JULY 6
30W AUG 8

1RW = 12-24" WEEDS
30W = 24-36" 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
1B	NAMPA/DN	3.00 F	1.500 LB/AC	EP		
2A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	80
2B	NAMPA/DN	3.00 E	2.250 LB/AC	MP		
3A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	7	90
3B	NAMPA/DN	3.00 E	3.000 LB/AC	LP		
4A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	73
4B	NAMPA/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	NAMPA/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	NAMPA/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	NAMPA/DN	3.00 E	1.500 LB/AC	LP		
7C	2,4-DB	2.00 E	.030 LB/AC	LP		
7D	NAMPA/DN	3.00 E	1.500 LB/AC	10D		
7E	2,4-DB	2.00 E	.030 LB/AC	10D		
8A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	53
8B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE		
8C	METRIBUZIN 1	4.00 F	.500 LB/AC	POD		
8D	X-77 (SURFACTANT)	.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-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	13	70
11B	RE-39071	1.66 E	.250 LB/AC	MP		
11C	XE 1034	1.00 WA	1.000 %	MP		

Table 39: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA		RATE		APPL METH	---JULY 1 CRIN	ILMG
12A	ALACHLOR	4.00	E	2.500	LB/AC	PRE	7	70
12B	RE-39071	1.56	E	.380	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	BENTAZON	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	BENTAZON	4.00	E	1.000	LB/AC	MP		
15C	2,4-DB	2.00	E	.030	LB/AC	MP		
16A	ALACHLOR	4.00	E	1.250	LB/AC	PRE	0	0
16B	NORFLURAZON	80.00	WP	.500	LB/AC	PRE		
17A	DPX F6025	75.00	DF	.008	LB/AC	COD	0	40
17B	X-77 (SURFACTANT)	.50	WA	.250	%	COD		
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	COD	0	57
20B	X-77 (SURFACTANT)	.50	WA	.250	%	COD		
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	COD	0	80
23B	X-77 (SURFACTANT)	.50	WA	.250	%	COD		
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 CRIJ	ILMG
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	NORFLURAZON	50.00 WP	1.000 LB/AC	PRE	0	0
35B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE		
36	CHECK (CULTIVATED)	.00 CK	.000		0	100
			LSD(05):		7	36

LOCATION: PRINCETON KY. SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.8 O.M.: 1.5%
DATE PLANTED: MAY 15 DATE TREATED: PRE MAY 16
VARIETY: ESSEX COD MAY 23
EP JUNE 4
3TR JUNE 11
MP JUNE 9
LP JUNE 12
5TR JUNE 22

Table 40: Annual Grass Control in Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---SEPT 1 SIEI	EAPA
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 GLEI	FABA
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	67	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 METH	---SEPT 1 GLEI	EAPA
31A	CLOPROXYDIM	4.00 E	.200 LB/AC	LP	67	67
31B	SOY OIL	.00 AD	1.000 QT/AC	LP		
32A	CLOPROXYDIM	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	.380 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 GLEI	EAPA
49	AC 214	1.50 AS	.380	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	HOE 33171	.75 EC	.100	LB/AC	MP	100	100
58B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP		
59A	HOE 33171	.75 EC	.150	LB/AC	MP	100	100
59B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	MP		
60A	HOE 33171	.75 EC	.100	LB/AC	LP	97	60
60B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LP		
61A	HOE 33171	.75 EC	.150	LB/AC	LP	97	97
61B	OIL CONCENTRATE	.00 AD	1.000	QT/AC	LP		
62A	HOE 33171	.75 EC	.100	LB/AC	MP	100	90
62B	SOY OIL	.00 AD	1.000	QT/AC	MP		
63A	HOE 33171	.75 EC	.150	LB/AC	MP	100	100
63B	SOY OIL	.00 AD	1.000	QT/AC	MP		
64A	HOE 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	EARA
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 E	.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	46

LOCATION: HENDERSON KY SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.5 O.M.: 3.0%
DATE PLANTED: . DATE TREATED: PRE JULY 26
VARIETY: ? MP JULY 26
LP AUG 7

Table 41: Crabgrass Control in Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--- AIR B --- ERTN	LACG
1A	Y 6202	.80 L	.060 LB/AC	MP	0	97
1B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
2A	Y 6202	.80 L	.125 LB/AC	MP	0	93
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
3A	Y 6202	.80 L	.060 LB/AC	LP	0	87
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
4A	Y 6202	.80 L	.125 LB/AC	LP	0	87
4B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
5A	Y 6202	.80 L	.060 LB/AC	MP	0	63
5B	SOY OIL	.00 AD	1.000 QT/AC	MP		
6A	Y 6202	.80 L	.125 LB/AC	MP	0	83
6B	SOY OIL	.00 AD	1.000 QT/AC	MP		
7A	Y 6202	.80 L	.060 LB/AC	LP	0	33
7B	SOY OIL	.00 AD	1.000 QT/AC	LP		
8A	Y 6202	.80 L	.125 LB/AC	LP	0	37
8B	SOY OIL	.00 AD	1.000 QT/AC	LP		
9A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	0	27
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
10A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	0	50
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
11A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	0	47
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
12A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	LP	0	83
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
13A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	MP	0	0
13B	SOY OIL	.00 AD	1.000 QT/AC	MP		
14A	FLUAZIFOP BUTYL	4.00 E	.190 LB/AC	MP	0	30
14B	SOY OIL	.00 AD	1.000 QT/AC	MP		
15A	FLUAZIFOP BUTYL	4.00 E	.130 LB/AC	LP	0	83
15B	SOY OIL	.00 AD	1.000 QT/AC	LP		

Table 41: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---AUG 3 - CRIN	LACG
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 METH	---AUG 3 - CRIN	LAOG
31A	CLOPROXYDIM	4.00 E	.200 LB/AC	LP	0	90
31B	SOY OIL	.00 AD	1.000 QT/AC	LP		
32A	CLOPROXYDIM	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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---AUG 3 - CRIN	LACG
49	AC 214	1.50 AS	.380 LB/AC	LP	0	15
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	95
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	HOE 33171	.75 EC	.100 LB/AC	MP	0	80
58B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
59A	HOE 33171	.75 EC	.150 LB/AC	MP	0	80
59B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
60A	HOE 33171	.75 EC	.100 LB/AC	LP	0	47
60B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
61A	HOE 33171	.75 EC	.150 LB/AC	LP	0	60
61B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
62A	HOE 33171	.75 EC	.100 LB/AC	MP	0	60
62B	SOY OIL	.00 AD	1.000 QT/AC	MP		
63A	HOE 33171	.75 EC	.150 LB/AC	MP	0	60
63B	SOY OIL	.00 AD	1.000 QT/AC	MP		
64A	HOE 33171	.75 EC	.100 LB/AC	LP	0	70
64B	SOY OIL	.00 AD	1.000 QT/AC	LP		

Table 41: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---AUG 3 - CRIN	LACG
55A	HOE 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 SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.5 O.M.: 3.0%
DATE PLANTED: JUNE 28 DATE TREATED: MP JULY 2
VARIETY: ? 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 GRAS	GRLE	CRIB	GIEI	COLQ	BLNS	BREA	CANE
1	PEBULATE	6.00 E	4.000 LB/AC	PPI	95	85	0	95	75	82	90	95
2	PENDIMETHALIN	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	6.00 E	1.500 LB/AC	PPI	95	85	2	95	90	72	90	92
5	DIPHENAMID	80.00 W	5.000 LB/AC	PPI	95	85	0	95	82	74	90	85
6	DIPHENAMID	80.00 W	5.000 LB/AC	PRE	100	82	0	100	90	75	88	88
7	SETHOXYDIM	1.53 EC	.300 LB/AC	EP	99	25	0	98	60	92	20	85
8	SETHOXYDIM	1.53 EC	.400 LB/AC	EP	95	48	0	95	52	70	42	75
9A	SETHOXYDIM	1.53 EC	.200 LB/AC	EP	88	58	0	88	68	78	62	68
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
10A	SETHOXYDIM	1.53 EC	.300 LB/AC	EP	98	25	0	98	45	50	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	MP	92	72	0	92	82	55	75	90
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
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	PRE	98	72	0	98	100	92	80	25
14	FMC 57020	4.00 EC	1.000 LB/AC	PRE	100	85	0	100	98	95	86	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	PRE	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	PRE	100	100	2	100	100	100	100	100

Table 43: continued

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK. AFTER APPLIED GRAS	BRLE	CRIN	GIFT	COLQ	B_WS	XBPA	CANE
21A	PEBULATE	6.00 E	4.000 LB/AC	PPI	100	90	0	100	95	95	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	98	70	82	90
23	NAPROPAMIDE	50.00 WP	1.000 LB/AC	POT	90	70	0	90	85	90	58	95
24	NAPROPAMIDE	2.00 E	1.000 LB/AC	PPI	98	88	0	98	95	90	82	90
25	NAPROPAMIDE	2.00 E	1.000 LB/AC	POT	92	65	0	92	70	70	60	72
26A	PEBULATE	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	26	26

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

SOIL TYPE: MAURY SILT LOAM
PH: 6.0 O.M.: 2.7%
DATE TREATED: PPI JUNE 11
PRE JUNE 11
POT JUNE 14
EP JUNE 28
MP JULY 15
+1AD JULY 31

IX. SPECIES SCREENING STUDY

TRT. NO.	CHEMICAL	FORM	RATE	METH	ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	FOXTAIL	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEED	JIMSONWEED	VELVETLEAF	COCKLEBUR	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	PIGWEED	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: PPI,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 _____

_____

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