

Herbicide Evaluation Trials - 1983

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

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

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CONTENTS

	<i>Page</i>
I. EXPERIMENTAL TECHNIQUES	1
II. ABBREVIATIONS USED IN REPORT HEADINGS	
A. Weed Species	2
B. Miscellaneous	2
C. Growth Stages	2
1. Corn	
2. Soybeans	
D. Application Times	3
III. CLIMATOLOGICAL DATA	
A. Lexington	4
B. Princeton	9
IV. HERBICIDES IN REPORT	14
V. CORN WEED CONTROL—LEXINGTON	
A. Control of Grass and Broadleaf Species	
1. Preemergence	16
2. Preemergence and Postemergence Supplement	18
3. Preplant Incorporated	19
4. Postemergence	21
5. No-till Corn in Killed Fescue Sod—First Evaluation	25
6. No-till Corn in Killed Fescue Sod—Second Evaluation	27
7. No-till Stalkland	29
8. No-till Stalkland Using Fertilizer Carrier	34
B. Specific Weed Species	
9. Yellow Nutsedge - Seed Protectants	36
10. Yellow Nutsedge - No Seed Protectants	37
VI. SOYBEAN WEED CONTROL—LEXINGTON	
A. Control of Grass and Broadleaf Species	
11. Preemergence—First Evaluation	38
12. Preemergence—Second Evaluation	41
13. Preplant Incorporated and Postemergence—First Evaluation	44
14. Preplant Incorporated and Postemergence—Second Evaluation	48
15. Postemergence—First Evaluation	52
16. Postemergence—Second Evaluation	58
17. Postemergence II—First Evaluation	64
18. Postemergence II—Second Evaluation	68
19. Postemergence III—First Evaluation	72
20. Postemergence III—Second Evaluation	76
21. Postemergence IV—First Evaluation	80
22. Postemergence IV—Second Evaluation	84
23. Preemergence and Postemergence—15" Row Spacing	88
24. Preemergence and Postemergence—30" Row Spacing	90

Soybean Weed Control—Lexington (continued)

25.	Preemergence and Postemergence Supplement—First Evaluation	92	
26.	Preemergence and Postemergence Supplement—Second Evaluation	97	
27.	Preemergence Tolerance	101	
B. Specific Weed Species			
28.	Eastern Black Nightshade—Preemergence and Postemergence	102	
29.	Eastern Black Nightshade—Preplant Incorporated	104	
30.	Velvetleaf—First Evaluation	106	
31.	Velvetleaf—Second Evaluation	107	
32.	Yellow Nutsedge	108	
VII. SOYBEAN WEED CONTROL—PRINCETON			
A. Control of Grass and Broadleaf Species			
33.	Preemergence Tolerance	110	
34.	Tolerance to Bladex	111	
35.	No-till Soybeans	112	
36.	No-till Tolerance to Postemergence Application	119	
B. Specific Weed Species			
37.	Johnsongrass Preemergence and Preplant Incorporated	121	
38.	Johnsongrass Postemergence	123	
39.	Johnsongrass Control in Double-Cropped Soybeans	128	
40.	Cocklebur Control in Soybeans	130	
VIII. COMPARISON OF HERBICIDE APPLICATION METHODS			
A. Control Droplet Applicator (CDA) Comparison with Flat Fan Nozzles			
41.	Preplant Incorporated Nozzle Comparison—First Evaluation	135	
42.	Preplant Incorporated Nozzle Comparison—Second Evaluation	136	
43.	Eastern Black Nightshade Nozzle Comparison	137	
IX. BURLEY TOBACCO			
44.	Soil and Postemergence Applied Herbicides	138	
X. SPECIES SCREENING STUDY			140
XI. RETURN FORM FOR YIELD DATA			144

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 CO₂. Unless indicated otherwise, all treatments were applied at 25 GPA. Plots at the Lexington locations were incorporated with a power driven tiller, while at Princeton a tandem disk was used.
- EVALUATION:** Weed control was evaluated based on a 0 to 100 scale with 0 representing no control and 100 representing total control. Crop injury was also based on a 0 to 100 scale with 0 representing no injury and 100 representing crop death.
- CULTIVATION:** Plots were not cultivated except where indicated.
- SPECIFIC
EXPERIMENTAL
INFORMATION:** The following items are found at the end of each summary:
(A) location, (B) fertilization, (C) soil type, (D) pH, (E) organic matter, (F) treatment date(s), (G) hybrid or cultivar, (H) planting dates, (I) crop and/or weed growth stage for postemergence application.

II. ABBREVIATIONS

A. Weed Species

<u>ABB</u>	<u>Common Name</u>	<u>Scientific Name</u>
BLNS	Eastern Black Nightshade	<i>Solanum ptycanthum</i>
COCB	Common Cocklebur	<i>Xanthium pensylvanicum</i>
COLQ	Common Lambsquarters	<i>Chenopodium album</i>
FAPA	Fall Panicum	<i>Panicum dichotomiflorum</i>
GIFT	Giant Foxtail	<i>Setaria faberi</i>
ILMG	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
JIWE	Jimsonweed	<i>Datura stramonium</i>
JOGR	Johnsongrass	<i>Sorghum halepense</i>
LACG	Large Crabgrass	<i>Digitaria sanguinalis</i>
PESW	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
RRPW	Redroot Pigweed	<i>Amaranthus retroflexus</i>
SUFL	Annual Sunflower	<i>Helianthus annuus</i>
TAMG	Tall Morningglory	<i>Ipomoea purpurea</i>
VELE	Velvetleaf	<i>Abutilon theophrasti</i>
YENS	Yellow Nutsedge	<i>Cyperus esculentus</i>

B. Miscellaneous

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

C. Crop Growth Stages at Application

1. CORN
SED - Seed treatment applied to seed prior to planting
SPK - Spiking stage; corn just emerging from soil
2. SOYBEAN
V2 - completely unrolled leaf at first node above the unifoliate node
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. PRE —Preemergence
3. EPP —Early preplant; 3 to 4 weeks before planting
4. EP —Early postemergence; weeds less than 2 inches
5. MP —Mid-postemergence; weeds 2-4 inches
6. LP —Late postemergence; weeds more than 6 inches
7. LLP —Late, late postemergence; salvage treatment; weeds generally larger than 18 inches
8. POD —Postemergence directed; to the base of the crop plant
9. LBY —Layby; application made at or after last cultivation
10. PCI —Post cultivated incorporated; applied postemergence to the crop, after cultivation and then incorporated
11. POT —Post transplant; applied after transplanting
12. PRH —Pre-harvest
13. SAE —Selective application of glyphosate with a rope wick applicator
14. SEQ —Sequential application
15. 2LF —Two leaves formed
16. UN —Unifoliate
17. 1TR —one trifoliate leaf formed
18. 2TR —two trifoliate leaves formed
19. 3TR —three trifoliate leaves formed
20. 4TR —four trifoliate leaves formed
21. 5TR —five trifoliate leaves formed
22. +3D —sequential treatment applied 3 days after first application
23. +4D —sequential treatment applied 4 days after first application
24. +1W —sequential treatment applied 1 week after first application
25. +2W —sequential treatment applied 2 weeks after first application
26. +3W —sequential treatment applied 3 weeks after first application
27. +4W —sequential treatment applied 4 weeks after first application
28. 20D —sequential treatment applied 20 days after first application
29. 40D —sequential treatment applied 40 days after first application
30. 60D —sequential treatment applied 60 days after first application
31. 65D —sequential treatment applied 65 days after first application

III. 1983 Climatological Data, Lexington

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
SPINDLETOP	5/ 1/83	74	58	2.43	93	72	60	53	63	54	
SPINDLETOP	5/ 2/83	72	65	.13	91	57	60	55	64	58	.17
SPINDLETOP	5/ 3/83	62	58	1.72	93	83	60	55	64	55	
SPINDLETOP	5/ 4/83	65	44	.09	91	43	61	51	64	46	.18
SPINDLETOP	5/ 5/83	65	45	.15	89	41	62	50	68	47	.21
SPINDLETOP	5/ 6/83	76	43	--	89	34	64	51	67	47	.25
SPINDLETOP	5/ 7/83	80	64	.04	53	34	64	54	65	52	.42
SPINDLETOP	5/ 8/83	60	47	.63	93	78	62	53	66	50	.22
SPINDLETOP	5/ 9/83	59	33	--	97	40	60	46	63	40	.14
SPINDLETOP	5/10/83	68	38	--	86	40	60	47	69	40	.19
SPINDLETOP	5/11/83	77	47	--	69	41	64	50	71	49	.23
SPINDLETOP	5/12/83	75	58	TRACE	93	62	64	56	70	54	.15
SPINDLETOP	5/13/83	73	65	.10	93	75	64	57	68	59	.07
SPINDLETOP	5/14/83	79	59	.02	92	46	65	57	75	56	.22
SPINDLETOP	5/15/83	71	54	2.15	92	50	65	59	69	60	.35
SPINDLETOP	5/16/83	59	45	.86	96	44	62	51	63	50	.09
SPINDLETOP	5/17/83	67	38	--	96	41	66	50	67	44	.19
SPINDLETOP	5/18/83	71	49	TRACE	81	50	64	56	65	48	.15
SPINDLETOP	5/19/83	72	58	1.07	92	79	63	58	64	55	.15
SPINDLETOP	5/20/83	69	58	.05	92	71	63	58	66	54	.07
SPINDLETOP	5/21/83	74	60	.32	93	75	64	58	68	57	.04
SPINDLETOP	5/22/83	76	61	.68	93	56	66	60	71	61	.33
SPINDLETOP	5/23/83	72	61	--	92	42	68	60	70	56	.29
SPINDLETOP	5/24/83	73	47	--	95	41	70	58	72	50	.18
SPINDLETOP	5/25/83	72	50	--	92	44	69	59	70	51	.21
SPINDLETOP	5/26/83	62	40	.04	88	36	66	55	70	48	.23
SPINDLETOP	5/27/83	68	40	--	94	33	66	55	73	48	.20
SPINDLETOP	5/28/83	66	51	.05	90	52	66	59	68	53	.08
SPINDLETOP	5/29/83	73	58	.25	93	42	64	59	67	55	.12
SPINDLETOP	5/30/83	66	51	--	82	50	64	57	66	50	.24
SPINDLETOP	5/31/83	69	55	--	90	50	63	56	70	52	.22

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

SUMMARY

AVERAGES

FOR PERIOD ACCUMULATIONS FOR PERIOD

STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE						
			AVG	HI	LO	HI	LO	HI	LO	MOD	DEG.	DEG.	DAYS	DAYS
SPINDLETOP	70	52	61	89	52	64	55	68	52	10.78	5.59	388	145	31

*

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE					
				HI	LO	HI	LO	HI	LO	MOD	DEG.	DEG.	DAYS
SPINDLETOP	80	33	2.43	97	33	70	46	75	40	.42	22	18	7

III. 1983 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
SPINDLETOP	6/ 1/83	69	52	--	94	44	65	56	70	53	.20
SPINDLETOP	6/ 2/83	74	48	.04	95	44	66	58	74	52	.15
SPINDLETOP	6/ 3/83	73	60	1.66	95	69	65	59	68	58	.29
SPINDLETOP	6/ 4/83	77	65	--	92	45	70	60	73	60	.22
SPINDLETOP	6/ 5/83	81	53	--	92	47	72	60	80	55	.21
SPINDLETOP	6/ 6/83	77	62	--	92	67	72	62	77	60	.24
SPINDLETOP	6/ 7/83	73	63	--	95	40	68	60	75	56	.20
SPINDLETOP	6/ 8/83	79	54	--	86	40	71	60	81	54	.20
SPINDLETOP	6/ 9/83	82	52	--	90	42	72	60	83	56	.22
SPINDLETOP	6/10/83	83	52	--	95	36	75	61	87	59	.25
SPINDLETOP	6/11/83	85	58	--	93	45	76	63	88	62	.24
SPINDLETOP	6/12/83	86	62	--	94	37	78	64	89	64	.25
SPINDLETOP	6/13/83	85	62	--	94	39	78	65	90	64	.28
SPINDLETOP	6/14/83	83	60	--	89	62	78	64	90	64	.26
SPINDLETOP	6/15/83	78	63	--	88	64	76	65	87	65	.18
SPINDLETOP	6/16/83	83	64	TRACE	94	59	76	65	87	65	.20
SPINDLETOP	6/17/83	83	64	.38	94	58	75	66	83	66	.20
SPINDLETOP	6/18/83	77	63	.46	94	74	72	65	76	64	.12
SPINDLETOP	6/19/83	86	67	.45	93	63	74	65	79	64	.17
SPINDLETOP	6/20/83	84	67	--	94	58	77	67	80	65	.17
SPINDLETOP	6/21/83	83	64	--	94	52	78	67	85	64	.29
SPINDLETOP	6/22/83	84	69	--	94	59	79	68	87	65	.25
SPINDLETOP	6/23/83	88	66	--	94	51	80	68	90	67	.25
SPINDLETOP	6/24/83	90	64	--	94	47	81	68	91	67	.24
SPINDLETOP	6/25/83	88	68	--	93	44	82	69	83	70	.32
SPINDLETOP	6/26/83	89	67	--	89	43	83	68	94	69	.35
SPINDLETOP	6/27/83	86	74	.03	96	61	80	70	88	72	.24
SPINDLETOP	6/28/83	84	72	.04	94	61	77	70	83	70	.22
SPINDLETOP	6/29/83	90	70	--	93	50	82	70	92	71	.23
SPINDLETOP	6/30/83	89	72	.33	93	50	80	70	90	72	.34

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SUMMARY

AVERAGES	ACCUMULATIONS								PCPN	EVAP	GDD	HEAT	COOL	
	FOR PERIOD				FOR PERIOD									
STATION	TEMP	PER	RH	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP
	HI	LO	AVG	HI	LO	GRASS	BARE	GRASS	BARE	GRASS	BARE	GRASS	BARE	GRASS
	HI	LO	AVG	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO	HI
SPINDLETOP	82	63	73	93	52	75	64	83	63	3.39	6.98	673	7	239

EXTREMES FOR PERIOD

STATION	TEMP	PCPN	RH	SOILTEMP	SOILTEMP	SOILTEMP	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	GRASS	BARE	50	DEG.	DEG.		
	HI	LO	HI	LO	HI	LO	HI	LO	MOD	DAYS	DAYS		
SPINDLETOP	90	48	1.66	96	36	83	56	94	52	.35	30	4	16

III. 1983 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
								HI	LO	HI	LO
SPINDLETOP	7/ 1/83	91	71	--	93	56	82	70	89	69	.25
SPINDLETOP	7/ 2/83	93	70	--	90	45	82	76			.26
SPINDLETOP	7/ 3/83	89	69	TRACE	90	50	82	76			.22
SPINDLETOP	7/ 4/83	90	72	.45	100	45	83	76			.20
SPINDLETOP	7/ 5/83	82	72	--	94	46	80	66	82	78	.25
SPINDLETOP	7/ 6/83	83	53	--	87	46	80	66	84	68	.27
SPINDLETOP	7/ 7/83	78	51	--	95	53	79	62	83	59	.27
SPINDLETOP	7/ 8/83	85	50	--	95	31	79	62	82	65	.27
SPINDLETOP	7/ 9/83	89	60	--	96	30	79	72			.27
SPINDLETOP	7/10/83	88	68	--	90	57	79	73			.29
SPINDLETOP	7/11/83	91	55	--	94	52	81	64	86	67	.35
SPINDLETOP	7/12/83	92	69	--	93	48	82	70	84	72	.38
SPINDLETOP	7/13/83	94	70	--	93	50	82	67	88	73	.16
SPINDLETOP	7/14/83	94	74	--	93	47	83	74	88	79	.32
SPINDLETOP	7/15/83	95	72	.56	94	47	82	75			.30
SPINDLETOP	7/16/83	94	73	--	94	46	82	69	85	71	.33
SPINDLETOP	7/17/83	95	77	--	92	41	82	69	85	71	.35
SPINDLETOP	7/18/83	93	72	--	93	45	83	72	89	72	.34
SPINDLETOP	7/19/83	93	73	--	93	51	83	73	89	74	.26
SPINDLETOP	7/20/83	96	75	--	93	47	84	73	90	75	.32
SPINDLETOP	7/21/83	100	77	--	92	39	87	75	93	78	.43
SPINDLETOP	7/22/83	99	76	--	92	33	86	75	93	78	.42
SPINDLETOP	7/23/83	100	78	--	87	35	85	74	91	77	.40
SPINDLETOP	7/24/83	90	75	.02	96	41	84	74	88	77	.24
SPINDLETOP	7/25/83	85	69	TRACE	93	51	81	71	86	74	.17
SPINDLETOP	7/26/83	88	64	--	97	37	80	68	85	69	.25
SPINDLETOP	7/27/83	91	61	--	94	32	82	67	90	69	.33
SPINDLETOP	7/28/83	92	71	--	87	44	82	71	89	74	.36
SPINDLETOP	7/29/83	94	71	--	90	37	83	71	90	72	.37
SPINDLETOP	7/30/83	93	67	--	95	38	83	70	90	72	.30
SPINDLETOP	7/31/83	94	73	--	86	40	82	71	90	72	.46

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AVERAGES	SUMMARY										GDD	HEAT	COOL				
	FOR PERIOD					ACCUMULATIONS								EVAP	50	DEG.	DEG.
	STATION	TEMP	PER	RH	SOILTEMP	PCPN	GRASS	BARE	HI	LO							
SPINDLETOP	91	69	80	93	44	82	71	88	72	1.03	9.41	847		472			

STATION	EXTREMES FOR PERIOD										EVAP	GDD	HEAT	COOL
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL						
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.					
SPINDLETOP	100	50	.56	100	30	87	62	93	59	.46	32		24	

III. 1983 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
SPINDLETOP	8/ 1/83	91	75	--	92	44	82	72	88	74	.41
SPINDLETOP	8/ 2/83	90	61	--	97	34	82	69	88	70	.29
SPINDLETOP	8/ 3/83	95	65	--	91	30	84	69	92	71	.39
SPINDLETOP	8/ 4/83	93	70	--	91	42	83	71	90	73	.41
SPINDLETOP	8/ 5/83	95	70	--	96	38	83	71	90	74	.36
SPINDLETOP	8/ 6/83	88	74	--	87	52	78	70	84	72	.39
SPINDLETOP	8/ 7/83	89	73	--	98	29	79	71	87	72	.33
SPINDLETOP	8/ 8/83	90	53	--	98	27	79	65	88	65	.24
SPINDLETOP	8/ 9/83	97	65	--	90	35	86	71	93	73	.36
SPINDLETOP	8/10/83	94	65	--	90	34	86	71	93	73	.38
SPINDLETOP	8/11/83	92	76	.19	94	31	84	73	90	74	.41
SPINDLETOP	8/12/83	78	62	--	96	47	77	67	77	66	.19
SPINDLETOP	8/13/83	81	56	--	94	38	78	63	83	62	.28
SPINDLETOP	8/14/83	87	53	--	96	26	80	63	86	63	.30
SPINDLETOP	8/15/83	91	60	--	93	32	81	67	88	68	.31
SPINDLETOP	8/16/83	92	67	--	95	34	81	70	87	72	.30
SPINDLETOP	8/17/83	92	72	--	95	44	81	70	86	73	.28
SPINDLETOP	8/18/83	96	76	--	85	45	83	72	90	74	.46
SPINDLETOP	8/19/83	100	75	--	84	40	87	73	93	76	.39
SPINDLETOP	8/20/83	103	75	--	93	32	88	75	96	78	.41
SPINDLETOP	8/21/83	100	73	.19	94	42	88	75	94	78	.37
SPINDLETOP	8/22/83	100	77	--	93	35	84	74	92	74	.43
SPINDLETOP	8/23/83	89	70	--	98	58	82	72	88	74	.19
SPINDLETOP	8/24/83	94	72	--	95	42	84	72	90	73	.28
SPINDLETOP	8/25/83	94	72	--	92	44	84	72	90	74	.26
SPINDLETOP	8/26/83	96	79	.16	92	43	83	72	90	74	.29
SPINDLETOP	8/27/83	95	68	.46	95	45	81	72	86	72	.38
SPINDLETOP	8/28/83	87	69	.59	93	51	77	70	79	70	.22
SPINDLETOP	8/29/83	91	67	--	95	37	78	70	84	68	.28
SPINDLETOP	8/30/83	93	64	--	96	33	80	69	87	67	.30
SPINDLETOP	8/31/83	90	76	.04	86	42	80	71	85	70	.24

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

AVERAGES	SUMMARY													
	FOR PERIOD						ACCUMULATIONS						FOR PERIOD	
	STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL				
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.				
						HI	LO	HI	LO	MOD	DAYS	DAYS		
SPINDLETOP	92	69	81	93	39	82	70	88	72	1.63	####	850	489	

STATION	EXTREMES FOR PERIOD												
	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS	BARE	50 <td>DEG.</td> <td>DEG.</td>	DEG.				
						HI	LO	HI	LO	MOD	DAYS	DAYS	
SPINDLETOP	103	53	.59	98	26	88	63	96	62	.46	33	24	

III. 1983 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
SPINDLETOP	9/ 1/83	88	67	--	96	42	78	69	84	68	.20
SPINDLETOP	9/ 2/83	87	65	--	94	51	79	67	85	66	.21
SPINDLETOP	9/ 3/83	86	65	--	96	37	80	68	88	68	.26
SPINDLETOP	9/ 4/83	82	68	--	93	60	79	67	87	67	.23
SPINDLETOP	9/ 5/83	86	70	--	93	50	79	67	87	67	.27
SPINDLETOP	9/ 6/83	88	74	--	87	52	78	70	84	72	.39
SPINDLETOP	9/ 7/83	89	73	--	98	29	79	71	87	72	.33
SPINDLETOP	9/ 8/83	90	53	--	98	27	79	65	88	65	.24
SPINDLETOP	9/ 9/83	94	54	--	97	26	79	65	89	64	.37
SPINDLETOP	9/10/83	96	63	--	89	35	80	68	88	69	.31
SPINDLETOP	9/11/83	95	76	--	86	40	80	70	87	72	.33
SPINDLETOP	9/12/83	81	68	.34	98	54	78	69	84	69	.15
SPINDLETOP	9/13/83	80	65	--	96	39	75	67	78	66	.25
SPINDLETOP	9/14/83	75	56	--	85	35	72	61	75	59	.28
SPINDLETOP	9/15/83	76	49	--	86	34	71	59	79	57	.23
SPINDLETOP	9/16/83	78	61	.25	95	59	69	63	74	62	.22
SPINDLETOP	9/17/83	83	55	--	96	35	73	60	80	59	.23
SPINDLETOP	9/18/83	90	67	--	82	41	75	64	82	64	.29
SPINDLETOP	9/19/83	90	68	--	92	45	76	66	84	67	.34
SPINDLETOP	9/20/83	86	71	--	82	61	75	67	82	69	.21
SPINDLETOP	9/21/83	62	53	.36	100	45	74	59	79	56	.12
SPINDLETOP	9/22/83	62	40	--	90	31	62	53	62	46	.21
SPINDLETOP	9/23/83	62	42	.04	99	33	61	53	65	49	.19
SPINDLETOP	9/24/83	68	36	--	93	24	62	50	68	44	.17
SPINDLETOP	9/25/83	75	47	--	80	38	63	52	69	49	.17
SPINDLETOP	9/26/83	73	58	--	95	51	65	58	70	58	.14
SPINDLETOP	9/27/83	79	51	--	100	39	66	57	73	56	.12
SPINDLETOP	9/28/83	82	49	--	99	33	68	56	75	55	.18
SPINDLETOP	9/29/83	78	52	--	96	30	67	57	72	56	.17
SPINDLETOP	9/30/83	82	43	--	99	24	71	56	65	54	.15

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

AVERAGES	SUMMARY										FOR PERIOD	FOR PERIOD		
	FOR PERIOD					ACCUMULATIONS								
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL					
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS		
				HI	LO	HI	LO							
SPINDLETOP	81	59	70	93	40	73	62	79	62	.99	7.08	607	51	214
STATION	EXTREMES FOR PERIOD													
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL						
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS		
					HI	LO	HI	LO						
SPINDLETOP	96	36	.36	100	24	80	50	89	44	.39	31	13	21	

III. 1983 Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
								HI	LO	HI	LO
PRINCETON	5/ 1/83	77	63	.03	100	58	63	59			
PRINCETON	5/ 2/83	77	66	.09	100	84	63	58			
PRINCETON	5/ 3/83	66	52	4.30	100	68	63	58			
PRINCETON	5/ 4/83	70	44	.05	100	38	62	54			
PRINCETON	5/ 5/83	73	44	--	100	26	65	58			
PRINCETON	5/ 6/83	82	53	--	98	32	66	62			
PRINCETON	5/ 7/83	81	60	.76	100	42	64	62			
PRINCETON	5/ 8/83	67	49	.42	100	70	65	59			
PRINCETON	5/ 9/83	68	38	--	100	32	65	60			
PRINCETON	5/10/83	80	42	--	100	32	68	58			
PRINCETON	5/11/83	80	52	.11	100	38	68	62			
PRINCETON	5/12/83	76	63	.36	100	86	68	62			
PRINCETON	5/13/83	82	62	--	95	60	70	64			
PRINCETON	5/14/83	82	66	TRACE	95	60	72	66			
PRINCETON	5/15/83	78	56	1.48	100	100	70	66			
PRINCETON	5/16/83	65	50	--	90	30	68	62			
PRINCETON	5/17/83	72	42	--	100	32	68	60			
PRINCETON	5/18/83	71	51	.49	100	60	67	60			
PRINCETON	5/19/83	75	58	1.74	100	48	68	62			
PRINCETON	5/20/83	76	54	.04	100	85	69	64			
PRINCETON	5/21/83	78	60	.02	78	70	68	64			
PRINCETON	5/22/83	78	63	.20	74	60	69	66			
PRINCETON	5/23/83	75	46	--	100	40	69	66			
PRINCETON	5/24/83	76	58	--	100	28	72	66			
PRINCETON	5/25/83	78	49	.05	100	48	72	66			
PRINCETON	5/26/83	76	50	--	100	36	72	68			
PRINCETON	5/27/83	72	48	--	78	34	73	68			
PRINCETON	5/28/83	72	55	1.62	100	80	73	68			
PRINCETON	5/29/83	77	59	--	96	30	73	63			
PRINCETON	5/30/83	70	45	--	100	40	72	64			
PRINCETON	5/31/83	75	50	--	100	40	72	66			

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AVERAGES	SUMMARY												
	FOR PERIOD						ACCUMULATIONS					FOR PERIOD	
	STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL			
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	
				HI	LO	HI	LO	HI	LO	HI	LO	DAYS	
PRINCETON	75	53	64	97	51	68	63		11.76	469	75	62	

STATION	EXTREMES FOR PERIOD										
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL			
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS
			HI	LO	HI	LO	HI	LO	HI	LO	DAYS
PRINCETON	82	38	4.30	100	26	73	54		24	11	9

III. 1983 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
PRINCETON	6/ 1/83	73	49	--	100	36	72	64			.21
PRINCETON	6/ 2/83	77	53	--	96	66	72	64			.20
PRINCETON	6/ 3/83	78	64	.59	96	70	71	64			.17
PRINCETON	6/ 4/83	82	60	.62	98	64	75	68			.35
PRINCETON	6/ 5/83	83	56	--	98	38	75	68			.24
PRINCETON	6/ 6/83	80	61	--	98	60	76	70			.28
PRINCETON	6/ 7/83	75	50	--	100	28	74	68			.26
PRINCETON	6/ 8/83	80	51	--	100	32	74	66			.17
PRINCETON	6/ 9/83	85	56	--	100	44	76	68			.25
PRINCETON	6/10/83	86	55	--	100	32	75	70			.27
PRINCETON	6/11/83	86	62	--	100	40	78	72			.24
PRINCETON	6/12/83	86	59	--	98	30	77	70			.29
PRINCETON	6/13/83	88	60	--	100	26	78	72			.22
PRINCETON	6/14/83	88	62	--	72	48	78	72			
PRINCETON	6/15/83	83	66	.21	98	48	79	72			
PRINCETON	6/16/83	84	60	--	100	42	78	70			.25
PRINCETON	6/17/83	86	62	--	100	60	79	74			.21
PRINCETON	6/18/83	84	70	--	100	60	78	72			.22
PRINCETON	6/19/83	84	63	1.15	100	52	78	72			.32
PRINCETON	6/20/83	87	65	--	100	60	79	74			.22
PRINCETON	6/21/83	88	65	--	100	40	82	76			.29
PRINCETON	6/22/83	88	62	--	100	58	82	76			.30
PRINCETON	6/23/83	88	68	--	100	54	82	76			.26
PRINCETON	6/24/83	91	69	--	100	42	84	78			.29
PRINCETON	6/25/83	92	68	--	100	40	84	76			.32
PRINCETON	6/26/83	92	68	--	98	40	84	77			.26
PRINCETON	6/27/83	91	72	--	100	20	83	78			.27
PRINCETON	6/28/83	88	68	.28	98	64	82	76			.15
PRINCETON	6/29/83	90	68	--	100	58	82	76			.24
PRINCETON	6/30/83	88	70	.14	100	62	82	78			.31

*****A (*) ABOVE AN AVERAGE VALUE MEANS THERE IS *****
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SUMMARY

AVERAGES	ACCUMULATIONS								FOR PERIOD	FOR PERIOD	GDD	HEAT	COOL
	FOR PERIOD				FOR PERIOD								
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL	50	DEG.	DEG.	
	HI	LO	AVG	HI	LO	GRASS	BARE	MOD	DAYS	DAYS	DAYS	DAYS	
				HI	LO	HI	LO						
PRINCETON	85	62	74	98	49	78	72	2.99	6.97	693	5	268	

EXTREMES FOR PERIOD

STATION	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL			
	HI	LO	HI	LO	GRASS	BARE	50	DEG.			
			HI	LO	HI	LO	MOD	DAYS			
					HI	LO	DAYS	DAYS			
PRINCETON	92	49	1.15	100	26	84	64	.35	29	3	17

III. 1983 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
PRINCETON	7/ 1/83	93	72	--	100	52	83	78			.18
PRINCETON	7/ 2/83	92	70	--	96	52	83	78			.32
PRINCETON	7/ 3/83	86	69	1.29	100	74	84	75			.22
PRINCETON	7/ 4/83	88	72	.09	100	68	79	76			.18
PRINCETON	7/ 5/83	87	68	.30	100	40	80	76			.14
PRINCETON	7/ 6/83	83	58	--	94	32	80	73			.40
PRINCETON	7/ 7/83	80	54	--	98	36	78	71			.38
PRINCETON	7/ 8/83	88	55	--	100	44	80	72			.30
PRINCETON	7/ 9/83	88	66	--	98	44	80	72			.28
PRINCETON	7/10/83	89	66	--	98	34	82	74			.32
PRINCETON	7/11/83	92	64	--	100	40	82	70			.19
PRINCETON	7/12/83	92	65	--	100	40	84	78			.26
PRINCETON	7/13/83	93	68	--	98	44	85	78			.25
PRINCETON	7/14/83	92	72	--	100	50	86	79			.24
PRINCETON	7/15/83	91	68	--	100	48	85	78			.18
PRINCETON	7/16/83	93	72	--	100	42	85	78			.16
PRINCETON	7/17/83	94	72	--	98	38	85	79			
PRINCETON	7/18/83	92	70	.07	98	38	85	78			.22
PRINCETON	7/19/83	96	73	--	96	44	85	79			.26
PRINCETON	7/20/83	97	74	--	98	44	86	82			.38
PRINCETON	7/21/83	100	77	--	98	36	87	82			.25
PRINCETON	7/22/83	98	75	--	98	38	86	84			.32
PRINCETON	7/23/83	98	80	--	98	48	88	84			.44
PRINCETON	7/24/83	98	78	--	100	50	89	86			.40
PRINCETON	7/25/83	98	69	1.47	100	70	89	82			.42
PRINCETON	7/26/83	88	68	--	100	50	84	78			.18
PRINCETON	7/27/83	90	65	--	98	38	86	79			.36
PRINCETON	7/28/83	94	72	--	98	46	88	80			.29
PRINCETON	7/29/83	93	72	--	92	38	87	80			.27
PRINCETON	7/30/83	95	72	--	98	38	87	80			.14
PRINCETON	7/31/83	93	69	--	98	46	85	79			.18

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AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL		
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	
				HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	92	69	81	98	45	84	78	3.22	8.05	856	492

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	100	54	1.47	100	32	89	70	.44	33	24

III. 1983 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
PRINCETON	8/ 1/83	93	73	.04	100	50	85	79			
PRINCETON	8/ 2/83	92	63	--	100	30	86	80			.27
PRINCETON	8/ 3/83	94	64	--	98	30	86	78			.35
PRINCETON	8/ 4/83	97	65	--	98	32	86	78			.27
PRINCETON	8/ 5/83	98	73	--	98	40	88	80			.24
PRINCETON	8/ 6/83	96	76	--	98	48	86	82			.47
PRINCETON	8/ 7/83	92	69	--	98	38	86	79			.18
PRINCETON	8/ 8/83	97	68	--	98	40	86	81			.25
PRINCETON	8/ 9/83	97	70	--	94	32	86	78			.29
PRINCETON	8/10/83	98	69	--	100	32	86	80			.18
PRINCETON	8/11/83	98	77	--	90	48	86	80			.31
PRINCETON	8/12/83	90	59	TRACE	100	52	86	78			.21
PRINCETON	8/13/83	88	58	--	100	28	83	74			.28
PRINCETON	8/14/83	91	60	--	98	22	84	74			.32
PRINCETON	8/15/83	94	65	--	98	30	84	76			.27
PRINCETON	8/16/83	96	68	--	100	34	86	78			.30
PRINCETON	8/17/83	97	71	--	96	32	86	78			.29
PRINCETON	8/18/83	96	76	--	76	42	86	82			.43
PRINCETON	8/19/83	100	70	--	100	32	88	78			.27
PRINCETON	8/20/83	98	72	--	98	32	89	80			.29
PRINCETON	8/21/83	100	76	--	98	34	89	80			.32
PRINCETON	8/22/83	100	74	--	100	30	88	80			.30
PRINCETON	8/23/83	100	71	--	98	40	88	81			.30
PRINCETON	8/24/83	98	71	--	100	34	88	81			.30
PRINCETON	8/25/83	98	71	--	100	34	89	81			.30
PRINCETON	8/26/83	99	75	--	98	34	90	81			.30
PRINCETON	8/27/83	100	76	--	98	39	90	84			.48
PRINCETON	8/28/83	97	70	.46	100	42	90	81			.18
PRINCETON	8/29/83	98	72	--	98	30	88	80			.34
PRINCETON	8/30/83	95	65	--	98	24	88	78			.41
PRINCETON	8/31/83	93	67	--	98	38	85	78			.23

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AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL		
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	
				HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	96	69	83	98	36	87	79	.50	8.93	868	559

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	100	58	.46	100	22	90	74	.48	32	23

III. 1983 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
								HI	LO	HI	LO
PRINCETON	9/ 1/83	90	69	--	100	34	85	78			.21
PRINCETON	9/ 2/83	91	63	--	100	22	85	77			.36
PRINCETON	9/ 3/83	94	65	--	90	40	86	78			.29
PRINCETON	9/ 4/83	92	66	--	100	38	86	77			.24
PRINCETON	9/ 5/83	92	72	--	98	45	86	78			.34
PRINCETON	9/ 6/83	89	74	--	96	52	86	79			.23
PRINCETON	9/ 7/83	94	72	--	98	28	86	77			.24
PRINCETON	9/ 8/83	94	62	--	88	26	87	76			.18
PRINCETON	9/ 9/83	99	62	--	92	28	86	76			.26
PRINCETON	9/10/83	97	68	--	98	34	86	78			.39
PRINCETON	9/11/83	98	67	--	100	26	86	78			.44
PRINCETON	9/12/83	91	68	--	98	32	88	78			.26
PRINCETON	9/13/83	88	66	--	98	34	84	78			.22
PRINCETON	9/14/83	81	65	--	80	22	82	72			
PRINCETON	9/15/83	84	47	--	96	20	82	70			.28
PRINCETON	9/16/83	90	68	--	82	32	82	75			.35
PRINCETON	9/17/83	93	56	--	96	32	83	72			
PRINCETON	9/18/83	90	68	--	94	30	83	72			
PRINCETON	9/19/83	94	56	--	98	38	84	76			
PRINCETON	9/20/83	88	62	.05	98	48	85	78			.22
PRINCETON	9/21/83	65	43	.13	100	22	80	68			.26
PRINCETON	9/22/83	72	34	--	100	18	73	62			.22
PRINCETON	9/23/83	70	37	--	100	22	70	62			.24
PRINCETON	9/24/83	76	36	--	92	14	71	64			.23
PRINCETON	9/25/83	73	50	--	78	48	72	60			.10
PRINCETON	9/26/83	76	59	--	90	42	69	65			.10
PRINCETON	9/27/83	82	56	--	96	32	74	66			.13
PRINCETON	9/28/83	86	52	--	100	26	75	66			.21
PRINCETON	9/29/83	86	53	--	92	22	77	66			.19
PRINCETON	9/30/83	85	49	--	98	20	75	65			.25

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 ***** ONE OR MORE OF MISSING DATA FOR THAT ITEM *****

SUMMARY												
AVERAGES						ACCUMULATIONS						
FOR PERIOD						FOR PERIOD						
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL			
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.		
				HI	LO	HI	LO	MOD	DAYS	DAYS		
PRINCETON	87	59	73	95	31	81	72	.18	6.44	656	43	285
									*			
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	99	34	.13	100	14	88	60	.44	30	11	18	

IV. Herbicides Used in Weed Control Studies, 1983

<u>CHEMICAL/COMMON</u>	<u>TRADE NAME</u>	<u>COMPANY</u>
2,4-D	Dacamine 4D	Diamond Shamrock
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		American Cyanamid
Acifluorfen 1	Blazer 2L, 2S	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
Benazolin		BFC
Benefin	Balan	Elanco
Bentazon	Basagran	BASF
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
CGA 82725		Ciba Geigy
Chloramben	Amiben 2E, 75DF	Union Carbide
CN 6471		Velsicol
CP 55097		Monsanto
Cyanazine	Bladex 4L	Shell
Cycloate	Ro-neet	Stauffer
Cycloate + R29148	Ro-neet + R29148	Stauffer
Dicamba	Banvel	Velsicol
Dicamba II	Banvel II	Velsicol
Diclofop methyl	Hoelon	American Hoechst
Dinitramine	Dinitramine	Velsicol
Diphenamid	Enide	Upjohn
Dowco 356	Tandem	Dow
Dowco 453		Dow
DPX 6025		Dupont
EPTC	Eptam	Stauffer
EPTC + R25788 + R33865	Eradicane Extra	Stauffer
Ethalfuralin	Sonalan	Elanco
	Flex	ICI
FMC 57020		FMC
FOE 2696		Mobay
Fluazifop butyl	Fusilade	ICI
Fluchloralin	Basalin	BASF
G 2504 125		Dupont
G 2504 126		Dupont

<u>CHEMICAL/COMMON</u>	<u>TRADE NAME</u>	<u>COMPANY</u>
Glyphosate	Roundup	Monsanto
HOE 581	Whip	American Hoechst
HOE 661		American Hoechst
HOE 39866		American Hoechst
Isopropalin	Paarlan	Elanco
Linuron	Lorox	Dupont
Liquid Fertilizer		
MBR 22359		3M
MON 0139		Monsanto
Mefluidide	Vistar, Embark	3M
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	Trimec D	PBI Gordon
Nanpa/DN	Dyanap 3E, 75SG	Uniroyal
Napropamide	Devrinol	Stauffer
Naptalam	Alanap L	Uniroyal
Naptalam + 2,4-DB	Rescue	Uniroyal
NC 28858		BFC
Oil Concentrate	Torch, Amoco, Aplus	
Oryzalin	Surflan	Elanco
Oxyfluorfen	Goal 1.6 EC, 2EC	Rohm & Haas
Paraquat	Paraquat CL, Paraquat Plus	Chevron
Paraquat 2	Gramoxone	ICI
PC-671	Assist	Westvaco
Pebulate	Tillam	Stauffer
Pendimethalin	Prowl	American Cyanamid
PPG 884		PPG
PPG 1013		PPG
PPG 1259		PPG
Prodiamine	Prodiamine	Velsicol
Protect	Protect	Gulf
RH 0265		Rohm & Haas
RH 4091		Rohm & Haas
RH 7034		Rohm & Haas
SC 0224		Stauffer
SC 1056		Stauffer
SC 1084		Stauffer
SD 95481	Cinch	Shell
SD 15418	Bladex (DF)	Shell
Sethoxydim	Poast	BASF
Simazine	Princep, Princep Caliber 90	Ciba Geigy
Surfactant	Tween 20, X-77, Triton Ag 98, XN-36, Cittowett Plus	
Trifluralin	Treflan	Elanco
Vernolate	Vernam	Stauffer
Vernolate + R33865	Vernam pkg. mix w/R33865	Stauffer
Y6202		Dupont

Table 1: Corn Preemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JUNE 19-----					-----JULY 15-----				
					GRAS	ERLE	CRIN	GLEI	VELE	COLI	CRIN	GLEI	VELE	COLI
1	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	45	0	100	12	58	2	98	18	8
2	ALACHLOR	4.00 E	3.00 LB/AC	PRE	100	40	0	100	20	55	2	95	12	10
3	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	100	22	0	100	0	35	2	98	0	8
4A	ALACHLOR PKG MIX WITH ATRAZINE	2.50 L	2.50 LB/AC	PRE	100	100	0	100	100	100	0	95	92	100
4B		1.50		1.50										
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0	100	98	100	0	95	92	100
5B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	98	0	100	98	100	0	95	90	100
6B	CYANAZINE	4.00 L	2.00 LB/AC	PRE										
6C	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
7	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	68	0	100	88	50	5	100	78	2
8	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	100	65	0	100	80	58	2	100	60	5
9A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	100	0	100	100	100	0	100	95	100
9B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
10	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	100	100	0	100	100	100	0	100	100	100
11	METALACHLOR + ATRAZI	6.00 L	3.60 LB/AC	PRE	100	98	0	100	95	100	0	100	92	100
12	ATRAZINE	4.00 L	2.00 LB/AC	PRE	78	100	0	78	100	100	0	58	100	100
13A	ATRAZINE	90.00 WDG	1.50 LB/AC	PRE	100	100	0	100	100	100	0	100	100	100
13B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE										
14	CYANAZINE	4.00 L	3.00 LB/AC	PRE	100	98	0	100	98	100	0	85	88	98
15A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	95	100	0	95	100	100	0	88	100	100
15B	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
16A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	100	98	0	100	98	100	0	88	85	98
16B	ALACHLOR	4.00 E	2.00 LB/AC	PRE										
17A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	95	100	2	95	98	100	0	82	92	100
17B	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
18A	PENDIMETHALIN	4.00 F	1.50 LB/AC	PRE	98	100	8	98	100	100	0	85	98	100
18B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										

Table 1: Corn Preemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 19-----					-----JULY 15-----			
					GRAS	ARLE	GRIN	GLEI	VELE	COLL	GRIN	GLEI	VELE
19A	PENDIMETHALIN	4.00 E	1.50 LB/AC PRE	100	100	5	100	100	100	0	90	100	100
19B	CYANAZINE	4.00 L	2.40 LB/AC PRE										
20A	PENDIMETHALIN	4.00 E	1.50 LB/AC PRE	100	100	8	100	100	100	0	92	100	100
20B	ATRAZINE	4.00 L	1.00 LB/AC PRE										
20C	CYANAZINE	4.00 L	2.90 LB/AC PRE										
21	CHECK (CULTIVATED)	.00 CK	.00	100	100	0	100	100	100	0	100	100	100
			LSD(05):	5	8	3	5	15	5	5	8	19	8

LOCATION: SPINDLETOP
 FERTILIZATION (LB/AC): 260 N, 60 P, 60 K
 DATE PLANTED: MAY 10
 VARIETY: PIONEER 3359A
 SOIL TYPE: MAURY SILT LOAM
 PH: 6.6 U.M.: 3.3%
 DATE TREATED: MAY 10 PRE

Table 2: Corn Preemergence and Postemergence Supplement

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 30-----					-----JULY 27-----			
					GRAS	BRLE	CRIN	GIFI	RSPW	GRAS	BRLE	GIFI	RSPW
1A	SD 15418	90.00 DF	3.13 LB/AC	EPP	87	90	0	97	80	80	87	87	80
1B	SD 15418	90.00 DF	2.50 LB/AC	EP									
2A	SD 15418	90.00 DF	2.50 LB/AC	PRE	97	93	0	100	90	97	100	97	100
2B	SD 15418	90.00 DF	2.50 LB/AC	EP									
3A	SD 15418	90.00 DF	2.50 LB/AC	PRE	90	97	0	90	97	90	100	93	100
3B	SD 15418	90.00 DF	2.50 LB/AC	POD									
4A	SD 15418	90.00 DF	2.50 LB/AC	PRE	93	100	0	97	100	90	100	90	100
4B	SD 15418	90.00 DF	2.50 LB/AC	POD									
4C	2,4-D AMINE	4.00 E	.50 LB/AC	POD									
5A	SD 15418	90.00 DF	3.13 LB/AC	EPP	90	100	0	93	100	90	100	100	100
5B	SD 15418	90.00 DF	1.25 LB/AC	PRE									
5C	SD 15418	90.00 DF	2.50 LB/AC	POD									
5D	2,4-D AMINE	4.00 E	.50 LB/AC	POD									
6A	SD 15418	90.00 DF	2.00 LB/AC	PRE	87	93	0	87	93	87	100	87	100
6B	ATRAZINE	4.00 L	1.00 LB/AC	PRE									
7A	SD 15418	90.00 DF	2.10 LB/AC	EPP	93	100	0	93	100	90	100	90	100
7B	ATRAZINE	4.00 L	.60 LB/AC	EPP									
7C	SD 15418	90.00 DF	2.50 LB/AC	EP									
8A	SD 15418	90.00 DF	1.68 LB/AC	PRE	97	100	0	97	100	93	100	97	100
8B	ATRAZINE	4.00 L	.50 LB/AC	PRE									
8C	SD 15418	90.00 DF	1.68 LB/AC	EP									
8D	ATRAZINE	4.00 L	.50 LB/AC	EP									
9A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	97	97	0	100	97	97	97	100	97
9B	SD 15418	90.00 DF	2.00 LB/AC	PRE									
10	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100	100
LSD(05):					7	5	NS	6	8	9	4	6	5

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K P1: 6.4 U.M.: 4.0%
 DATE PLANTED: MAY 25 DATE TREATED: MAY 6 EPP
 VARIETY: PIONEER 3369A MAY 25 PRE
 JUNE 23 POD JUNE 7 EP

Table 3: Corn Preplant Incorporated

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 19-----						-----JULY 15-----					
					GRAS	IRLE	GRIN	GFEL	VELE	COLL	LLMG	GRIV	GFEL	VELE	COLL	LLMG
1	ALACHLOR	4.00 E	2.50 LB/AC	PPI	100	20	0	100	0	25	2	5	88	0	0	0
2	ALACHLOR	4.00 E	3.00 LB/AC	PPI	98	52	0	98	32	60	32	5	92	32	32	22
3	ALACHLOR	4.00 ME	2.50 LB/AC	PPI	100	28	0	100	5	40	0	8	92	5	5	5
4A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	98	100	0	98	100	100	100	0	90	100	100	100
4B	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
5A	ALACHLOR PKG MIX	2.50 L	2.50 LB/AC	PPI	100	100	0	100	72	100	100	0	88	95	99	88
5B	WITH ATRAZINE	1.50	1.50	PPI												
6	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	100	40	0	100	50	48	20	5	72	48	18	20
7	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	100	40	0	100	22	45	22	5	98	18	12	18
8A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	100	100	0	100	98	100	100	2	98	95	100	100
8B	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
9A	CYANAZINE	4.00 L	2.00 LB/AC	PPI	82	100	0	82	100	100	100	0	62	100	100	100
9B	ATRAZINE	4.00 L	1.00 LB/AC	PPI												
10	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PPI	100	98	0	100	98	100	100	0	92	92	100	100
11	METALACHLOR + ATRAZI	6.00 L	3.60 LB/AC	PPI	100	100	0	100	100	100	100	0	92	98	100	98
12A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	95	100	0	95	100	100	100	0	90	100	100	100
12B	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
13A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	98	100	0	98	98	100	100	0	92	100	100	100
13B	WITH R-33865	1.00	.67	PPI												
13C	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
14A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	92	100	0	92	100	100	100	0	78	98	100	100
14B	WITH R-33865	1.00	.67	PPI												
14C	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
15A	RO-NEET/R 29148	5.30 FC	4.00 LB/AC	PPI	93	100	0	98	98	100	100	0	90	98	100	100
15B	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
16A	RO-NEET	6.00 E	4.00 LB/AC	PPI	100	100	0	100	100	100	98	0	95	100	100	98
16B	ATRAZINE	4.00 L	1.50 LB/AC	PPI												
17A	BUTYLATE + 2	6.70 FC	4.00 LB/AC	PPI	88	72	0	88	25	82	32	0	65	20	55	40
17B	PPG-844	2.00 E	.20 LB/AC	PRE												

Table 3: Corn Preplant Incorporated (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JUNE 19-----								-----JULY 15-----			
					GRAS	ARLE	CRIN	GIEI	VELE	COLY	ILMB	CRLY	GIEI	VELE	COLY	ILMB
18A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	92	80	0	92	55	95	55	0	58	55	82	48
18B	PPG-844	2.00 E	.30 LB/AC	PRE												
19A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	95	90	2	95	100	100	52	0	78	98	88	50
19B	PPG 1013	1.00 E	.10 LB/AC	PRE												
20A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	90	70	5	90	72	75	55	2	75	60	75	48
20B	PPG 1013	1.00 E	.20 LB/AC	PRE												
21A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	90	58	0	90	95	55	35	5	75	82	28	22
21B	PPG 1259	3.00 FL	.05 LB/AC	2LF												
22A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	92	58	0	92	52	70	35	0	80	65	20	35
22B	PPG 1259	3.00 FL	.10 LB/AC	2LF												
23A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	85	15	0	85	15	12	12	10	78	15	5	5
23B	PPG 1259	3.00 FL	.10 LB/AC	PRE												
24A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	88	20	0	88	15	22	20	8	80	5	0	15
24B	PPG 1259	3.00 FL	.20 LB/AC	PRE												
25	PPG 1259	3.00 FL	.10 LB/AC	PRE	0	0	0	0	0	0	2	5	0	0	0	0
26	PPG 1259	3.00 FL	.20 LB/AC	PRE	0	8	0	0	10	8	10	10	0	8	8	8
27A	BUTYLATE + PKG MIX	4.50 E	5.50 LB/AC	PPI	95	100	0	95	98	100	100	0	80	92	100	100
27B	WITH ATRAZINE	1.50 E	.00 LB/AC	PPI												
28	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	0	100	100	100	100
LSD(05):					5	19	2	6	25	20	24	5	19	24	20	24

20

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 5.6 U.M.: 3.3%
 DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PPI & PRE
 VARIETY: PIONEER 3359A MAY 25 2LF

Table 4: Corn Postemergence

TPT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5-----					-----JULY 29-----				
					GRAS	IRLE	CRIN	GIEI	VELE	COLL	CRIN	GIEI	VELE	COLL
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	90	0	94	85	100	0	95	82	100
1B	ATRAZINE	4.00 L	2.00 LB/AC	EP										
1C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	92	0	92	92	92	0	85	85	85
2B	DICAMBA	4.00 S	.50 LB/AC	EP										
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	98	0	100	95	100	0	98	95	100
3B	DICAMBA	4.00 S	.50 LB/AC	EP										
3C	ATRAZINE	4.00 L	1.50 LB/AC	EP										
3D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	95	0	90	92	95	0	90	92	95
4B	DICAMBA II	2.00 S	.25 LB/AC	MP										
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	75	2	92	95	55	2	88	95	65
5B	DICAMBA II	2.00 S	.25 LB/AC	LP										
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	0	92	92	100	0	90	92	100
6B	BENAZOLIN	4.00 E	.13 LB/AC	EP										
6C	ATRAZINE	4.00 L	.25 LB/AC	EP										
6D	2,4-D AMINE	4.00 E	.13 LB/AC	EP										
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	78	0	92	58	100	0	90	55	98
7B	BENAZOLIN	4.00 E	.13 LB/AC	EP										
7C	ATRAZINE	4.00 L	.25 LB/AC	EP										
7D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	85	0	90	75	90	0	88	75	90
8B	BENAZOLIN	4.00 E	.13 LB/AC	EP										
8C	2,4-D AMINE	4.00 E	.25 LB/AC	EP										
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	82	0	88	72	88	0	82	70	82
9B	BENAZOLIN	4.00 E	.13 LB/AC	EP										
9C	DICAMBA	4.00 S	.13 LB/AC	EP										
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	72	0	90	58	82	0	88	58	85
10B	BENAZOLIN	4.00 E	.10 LB/AC	EP										
10C	DICAMBA	4.00 S	.06 LB/AC	EP										
10D	2,4-D AMINE	4.00 E	.10 LB/AC	EP										
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	90	0	80	90	90	0	80	88	90
11B	BROMOXYNIL ?	2.00 E	.25 LB/AC	MP										
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	90	0	92	90	90	0	90	90	90
12B	BROMOXYNIL ?	2.00 E	.36 LB/AC	MP										

Table 4: Corn Postemergence (continued)

TFT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5-----						-----JULY 29-----			
					GRAS	SRLE	CRIM	GIEI	VELE	QQLU	CRIM	GIEI	VELE	QQLU
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	95	0	88	100	92	0	82	90	88
13B	BROMOXYNIL 2	2.00 E	.25 LB/AC	POD										
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	90	92	92	0	88	92	82
14B	BROMOXYNIL 2	2.00 E	.38 LB/AC	POD										
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0	100	100	100	0	95	95	95
15B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP										
15C	DUNCO 356	4.00 E	.50 LB/AC	MP										
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	98	0	100	95	100	0	98	92	100
16B	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP										
16C	DUNCO 356	4.00 E	.50 LB/AC	MP										
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	90	0	92	90	90	0	88	85	85
17B	CN 6471	4.00 S	.50 LB/AC	EP										
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	100	0	88	92	100	0	88	92	100
18B	CN 6471	4.00 S	.25 LB/AC	MP										
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	98	0	88	98	95	0	85	98	95
19B	CN 6471	4.00 S	.25 LB/AC	LP										
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	82	0	90	78	88	0	90	70	88
20B	DACAMINE 40	4.00 EC	.25 LB/AC	EP										
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	92	0	92	85	95	0	90	85	92
21B	DACAMINE 40	4.00 EC	.25 LB/AC	POD										
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	0	92	95	100	0	90	95	95
22B	DACAMINE 40	4.00 EC	.25 LB/AC	EP										
22C	DICAMBA	4.00 S	.25 LB/AC	EP										
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	0	92	95	98	0	90	95	98
23B	DACAMINE 40	4.00 EC	.25 LB/AC	POD										
23C	DICAMBA	4.00 S	.25 LB/AC	POD										
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	50	0	92	58	48	0	92	52	30
24B	RH-0265	2.00 E	.13 LB/AC	POD										
24C	TRIJON AG 98 SURFACT	.00 NA	.13 %	POD										
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	55	0	95	65	48	0	92	52	40
25B	RH-0265	2.00 E	.25 LB/AC	POD										
25C	TRIJON AG 98 SURFACT	.00 NA	.13 %	POD										

Table 4: Corn Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5-----						-----JULY 29-----			
					GRAS	SRLE	CRIM	GLFI	VELE	COLL	CRIM	GLFI	VELE	COLL
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	95	0	88	92	95	0	88	92	95
26B	BROMOXYNIL	4.00 E	.50 LB/AC	MP										
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	98	0	90	95	100	0	88	95	95
27B	2,4-D + MCPP + DICAM	4.80 E	.60 LB/AC	MP										
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	0	92	98	100	0	92	98	100
28B	2,4-D + MCPP + DICAM	4.80 E	.60 LB/AC	MP										
28C	ATRAZINE	4.00 L	1.50 LB/AC	MP										
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	90	0	98	82	95	0	90	70	85
29B	2,4-D AMINE	4.00 E	.50 LB/AC	EP										
30	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	EP	50	85	0	50	80	100	0	45	68	100
31	METALACHLOR + ATRAZI	6.00 L	3.60 LB/AC	EP	45	68	0	45	30	100	0	35	30	100
32A	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP	0	100	12	0	100	100	2	0	100	100
32B	DONCO 356	4.00 E	.50 LB/AC	MP										
33A	DONCO 356	4.00 E	.38 LB/AC	EP	60	98	0	60	95	100	0	60	92	100
33B	ATRAZINE	4.00 L	1.50 LB/AC	EP										
33C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
34A	DONCO 356	4.00 E	.50 LB/AC	EP	55	100	0	55	95	100	0	55	95	100
34B	ATRAZINE	4.00 L	1.50 LB/AC	EP										
34C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
35A	DONCO 356	4.00 E	.50 LB/AC	EP	52	92	0	52	88	98	0	52	88	95
35B	CYANAZINE	80.00 WP	1.60 LB/AC	EP										
36A	DONCO 356	4.00 E	.50 LB/AC	EP	63	95	0	68	90	100	0	65	90	100
36B	ATRAZINE	4.00 L	1.00 LB/AC	EP										
36C	CROP OIL (SUN 11E)	.00 AD	2.00 QT/AC	EP										
37A	ATRAZINE	4.00 L	2.00 LB/AC	EP	32	95	0	32	92	100	0	28	92	100
37B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
38	PPG 1259	3.00 FL	.10 LB/AC	2LF	0	70	15	0	88	50	0	0	75	35
39	PPG 1259	3.00 FL	.20 LB/AC	2LF	0	92	10	0	100	88	0	0	100	80
40A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	98	100	0	98	100	100	0	98	100	100
40B	ATRAZINE	4.00 L	1.50 LB/AC	SPK										

Table 4: Corn Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5-----					-----JULY 29-----				
					GRAS	ERLE	GRIN	GIEI	VELE	COLL	GRAN	GIEI	VELE	COLL
41	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	0	100	100	100
				LSD(05):	10	12	2	10	17	9	2	11	21	14

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K P: 6.9 U.M.: 3.2%
 DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PRE
 VARIETY: PIONEER 3369A MAY 20 SPK
 MAY 24 2LF

JUNE 2 EP
 JUNE 7 MP
 JUNE 10 LP & POD

Table 5: No-Till Corn in Killed Fescue Sod—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	5/18 SQFT	5/20 SQFT	5/23 SQFT	5/25 SQFT	5/27 SQFT	5/31 SQFT
1A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	69	70	85	88	92	100
1B	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
1C	PARQUAT	2.00 E	.25 LB/AC	PRE						
1D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE						
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	72	88	95	95	95
2B	CYANAZINE	4.00 L	2.00 LB/AC	PRE						
2C	PARQUAT	2.00 E	.25 LB/AC	PRE						
2D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE						
3A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	30	32	42	50	62	70
3B	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	52	58	70	85	88	90
4B	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
4C	HUE 561	1.78 E	.75 LB/AC	PRE						
5A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	19	22	30	40	48	60
5B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
5C	SC 0224	4.00 LC	.50 LB/AC	PRE						
6A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	22	30	40	50	58	58
6B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
6C	SC 0224	4.00 LC	.75 LB/AC	PRE						
7A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	22	38	38	48	60	70
7B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
7C	SC 0224	4.00 LC	1.50 LB/AC	PRE						
8A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	35	42	50	60	72	82
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
8C	SC 0224	4.00 LC	2.00 LB/AC	PRE						
9A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	20	30	38	42	52	55
9B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
9C	GLYPHOSATE	4.00 E	.50 LB/AC	PRE						
10A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	20	32	38	45	52	55
10B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
10C	GLYPHOSATE	4.00 E	.75 LB/AC	PRE						
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	35	45	55	55	70
11B	ATRAZINE	4.00 L	2.00 LB/AC	PRE						
11C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE						

Table 6: No-Till Corn in Killed Fescue Sod—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH	-----JUNE 24-----						-----JULY 20-----				
					GRAS	SRLE	CRIN	SQMI	GLFI	RR24	GRAS	SRLE	SQMI	LAGG	RR24
1A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	85	98	0	98	100	98	68	98	95	68	98
1B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
1D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE											
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	88	0	95	95	88	48	68	98	52	68
2B	CYANAZINE	4.00 L	2.00 LB/AC	PRE											
2C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
2D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE											
3A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	82	100	0	90	100	100	50	100	92	50	100
3B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	100	0	95	100	100	68	92	92	68	92
4B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
4C	HOE 661	1.78 E	.75 LB/AC	PRE											
5A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	85	100	0	80	98	100	55	98	72	55	98
5B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
5C	SC 0224	4.00 LC	.50 LB/AC	PRE											
6A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	85	100	0	85	100	100	55	98	82	55	98
6B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
6C	SC 0224	4.00 LC	.75 LB/AC	PRE											
7A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	90	100	0	90	100	100	62	100	95	62	100
7B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
7C	SC 0224	4.00 LC	1.50 LB/AC	PRE											
8A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	90	100	0	100	98	100	62	100	95	62	100
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
8C	SC 0224	4.00 LC	2.00 LB/AC	PRE											
9A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	88	100	0	88	100	100	55	100	75	55	100
9B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
9C	GLYPHOSATE	4.00 E	.50 LB/AC	PRE											
10A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	82	100	0	90	100	100	52	100	85	52	100
10B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
10C	GLYPHOSATE	4.00 E	.75 LB/AC	PRE											
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	100	0	95	100	100	55	98	98	65	98
11B	ATRAZINE	4.00 L	2.00 LB/AC	PRE											
11C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											

**Table 6: No-Till Corn in Killed Fescue Sod—Second Evaluation
(continued)**

TREATMENT	HERBICIDE	FORMULA	RATE	APPL METH	-----JUNE 24-----					-----JULY 20-----					
					GRASS	SRLE	CRIM	SUKI	WEL	RIM	GRASS	SRLE	SUKI	WEL	RIM
12A	ATRAZINE	4.00 L	2.00 LB/AC PRE		90	100	0	98	100	100	70	98	92	70	98
12B	ALACHLOR	4.00 E	2.50 LB/AC PRE												
12C	GLYPHOSATE	4.00 E	2.00 LB/AC PRE												
LSD(05):					NS	4	NS	6	NS	4	NS	6	10	NS	6

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.2 U.M.: 4.1%
 DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PRE
 VARIETY: PIONEER 3369A

Table 7: Corn No-Tillage in Stalkland

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----				-----JULY 24-----				
					GRAS	ERLE	CRIN	LACG	RRPW	GRAS	ERLE	LACG	RRPW
1A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	30	100	0	80	100	38	98	38	98
1B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
1D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	95	0	80	95	40	95	40	95
2B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
2C	PARAQUAT PLUS	2.00 E	.25 LB/AC	PRE									
2D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	62	80	0	62	80	25	65	25	65
3B	CYANAZINE	4.00 L	2.00 LB/AC	PRE									
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
4A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	68	78	0	68	78	30	55	30	62
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
4C	PARAQUAT PLUS	2.00 E	.25 LB/AC	PRE									
4D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	100	0	92	100	80	98	80	98
5B	SIMAZINE	4.00 L	1.50 LB/AC	PRE									
5C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
5D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	75	25	92	100	80	100	82	100
6B	SIMAZINE	4.00 L	1.50 LB/AC	PRE									
6C	PARAQUAT PLUS	2.00 E	.25 LB/AC	PRE									
6D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
7A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	80	92	0	80	92	32	92	32	95
7B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
7C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	50	92	0	50	92	18	88	18	88
8B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
8C	HOE 561	1.78 E	.75 LB/AC	PRE									
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	58	52	0	58	55	30	42	30	42
9B	CYANAZINE	4.00 L	1.50 LB/AC	PRE									
9C	HOE 561	1.78 E	.50 LB/AC	PRE									
10A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	78	100	0	78	100	32	98	32	98
10B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
10C	SC 0224	4.00 LC	.50 LB/AC	PRE									

Table 7: Corn No-Tillage in Stalkland (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----					-----JULY 24-----			
					GRAS	SRLE	CRIN	LACG	RRPN	GRAS	SRLE	LACG	RRPN
11A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	80	97	0	80	97	33	97	33	97
11B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
11C	SC 0224	4.00 LC	.75 LB/AC	PRE									
12A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	78	100	0	78	100	32	95	32	98
12B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
12C	SC 0224	4.00 LC	1.50 LB/AC	PRE									
13A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	80	100	0	80	100	38	92	38	95
13B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
13C	SC 0224	4.00 LC	2.00 LB/AC	PRE									
14A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	62	100	0	62	100	20	100	20	100
14B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
14C	GLYPHOSATE	4.00 E	.50 LB/AC	PRE									
15A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	88	98	0	88	98	52	95	52	95
15B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
15C	GLYPHOSATE	4.00 E	.75 LB/AC	PRE									
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	100	0	80	100	28	100	28	100
16B	ATRAZINE	4.00 L	2.00 LB/AC	PRE									
16C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
17A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	85	100	0	85	100	58	100	58	100
17B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
17C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE									
18A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	88	90	0	88	90	42	78	42	78
18B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
18C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
18D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
19A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	90	100	0	90	100	48	100	48	100
19B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
19C	PARAQUAT PLUS	2.00 E	.25 LB/AC	PRE									
19D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
20A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	82	98	0	82	98	32	95	32	95
20B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
20C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
21A	METALACHLOR + ATRAZI	4.50 F	4.50 LB/AC	PRE	88	98	0	88	98	50	92	50	92
21B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									

Table 7: Corn No-Tillage in Stalkland (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24 -----				-----JULY 24 -----				
					GRAS	BILE	CHIN	LACC	RSPN	GRAS	BILE	LACC	RSPN
22A	METALACHLOR + ATRAZI	6.00 L	4.50 LB/AC	PRE	90	100	0	90	100	50	95	50	95
22B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
23A	PARAQUAT	2.00 E	.25 LB/AC	PRE	55	100	0	55	100	12	100	12	100
23B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
23C	DOWCO 356	4.00 E	.50 LB/AC	EP									
23D	ATRAZINE	4.00 L	1.50 LB/AC	EP									
23E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
24A	PARAQUAT	2.00 E	.25 LB/AC	PRE	70	100	0	70	100	28	100	28	100
24B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
24C	DOWCO 356	4.00 E	.75 LB/AC	EP									
24D	ATRAZINE	4.00 L	2.00 LB/AC	EP									
24E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
25A	PARAQUAT	2.00 E	.25 LB/AC	PRE	82	98	0	82	98	42	95	42	95
25B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
25C	DOWCO 356	4.00 E	.50 LB/AC	PRE									
25D	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
25E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	PRE									
26A	PARAQUAT	2.00 E	.25 LB/AC	PRE	85	100	0	85	100	55	95	55	95
26B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
26C	DOWCO 356	4.00 E	.75 LB/AC	PRE									
26D	ATRAZINE	4.00 L	2.00 LB/AC	PRE									
26E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	PRE									
27A	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE	70	100	0	70	100	35	100	35	100
27B	DOWCO 356	4.00 E	.50 LB/AC	EP									
27C	ATRAZINE	4.00 L	1.50 LB/AC	EP									
27D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
28A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	80	95	0	80	95	35	90	35	90
28B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	40	92	0	40	92	10	90	10	90
29B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP									
30A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	62	100	0	62	100	15	95	15	95
30B	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP									
31A	CP 55097	8.00 EC	2.50 LB/AC	PRE	78	100	0	78	100	28	95	28	95
31B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
31C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									

Table 7: Corn No-Tillage in Stalkland (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 24-----					-----JULY 24-----			
					GRASS	PILE	CRIN	LAGE	HTEN	GRASS	PILE	LAGE	HTEN
32A	CP 55097	6.00 EC	2.50 LB/AC	PRE	88	92	0	88	92	55	88	60	85
32B	SIMAZINE	4.00 L	1.50 LB/AC	PRE									
32C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
33A	CP 55097	8.00 EC	2.50 LB/AC	PRE	52	80	0	52	80	15	82	15	62
33B	CYANAZINE	4.00 L	2.00 LB/AC	PRE									
33C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
34A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	82	90	0	82	90	40	85	40	85
34B	ATRAZINE	4.00 L	1.00 LB/AC	PRE									
34C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
34D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
35A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	58	88	0	58	88	12	80	12	80
35B	PARAQUAT	2.00 E	.25 LB/AC	PRE									
35C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
35D	DICAMBA	4.00 S	.25 LB/AC	EP									
36A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	60	90	0	60	95	15	90	15	92
36B	PARAQUAT	2.00 E	.25 LB/AC	PRE									
36C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
36D	DICAMBA	4.00 S	.50 LB/AC	EP									
37A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	72	52	0	72	58	40	40	40	40
37B	DICAMBA	4.00 S	.50 LB/AC	PRE									
37C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
37D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
38A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	63	65	0	68	65	30	50	30	50
38B	DICAMBA	4.00 S	1.00 LB/AC	PRE									
38C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
38D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
39A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	52	100	0	52	100	12	98	15	98
39B	DICAMBA	4.00 S	.50 LB/AC	PRE									
39C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
39D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
40A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	35	98	0	35	98	12	96	12	98
40B	DICAMBA	4.00 S	1.00 LB/AC	PRE									
40C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
40D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
41A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	18	100	0	18	100	10	100	10	100
41B	PARAQUAT	2.00 E	.25 LB/AC	PRE									
41C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
41D	DICAMBA	4.00 S	.25 LB/AC	EP									

Table 7: Corn No-Tillage in Stalkland (continued)

TRT NO.	HERSICIDE TREATMENT	FORMULA	RATE	APPL MEID	-----JUNE 24-----				-----JULY 24-----				
					GRAS	BLE	CRIN	LACC	RRPM	GRAS	BLE	LACC	RRPM
42A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	52	100	0	52	100	15	100	18	100
42B	PARAQUAT	2.00 E	.25 LB/AC	PRE									
42C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
42D	DICAMBA	4.00 S	.50 LB/AC	EP									
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	28	92	0	28	92	8	92	8	92
43B	PARAQUAT	2.00 E	.25 LB/AC	PRE									
43C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
43D	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP									
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	35	90	0	35	90	15	85	15	85
44B	PARAQUAT	2.00 E	.25 LB/AC	PRE									
44C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
44D	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP									
LSD(05):					17	16	NS	17	12	17	15	17	13

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K P4: 6.5 O.M.: 4.7%
 DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PRE
 VARIETY: PIONEER 3369A JUNE 7 EP
 JUNE 10 MP

Table 8: Corn No-Tillage in Stalkland using Fertilizer Carrier

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MEID	-----JUNE 10-----					-----JULY 12-----			
					GRAS	ARLE	CRIN	LACG	RRPW	GRAS	ARLE	LACG	RRPW
1A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	70	12	0	70	12	72	10	72	10
1B	2,4-D ESTER	4.00 E	1.00 LB/AC	PRE									
1C	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
1D	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
2A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	72	80	0	72	80	52	70	52	70
2B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
2C	2,4-D ESTER	4.00 E	1.00 LB/AC	PRE									
2D	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
2E	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
3A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	72	58	0	72	58	50	58	50	38
3B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
3C	2,4-D ESTER	4.00 E	1.00 LB/AC	PRE									
3D	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
3E	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
4A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	88	65	0	88	65	75	48	75	48
4B	SIMAZINE	4.00 L	1.50 LB/AC	PRE									
4C	2,4-D ESTER	4.00 E	1.00 LB/AC	PRE									
4D	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
4E	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
5A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	90	82	0	90	82	72	78	72	78
5B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
5C	METOLACHLOR	8.00 E	2.50 LB/AC	PRE									
5D	2,4-D ESTER	4.00 E	1.00 LB/AC	PRE									
5E	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
5F	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
6A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	88	40	0	88	40	80	55	80	35
6B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE									
6C	2,4-D ESTER	4.00 E	1.00 LB/AC	PRE									
6D	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
6E	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
7A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	65	82	0	65	82	35	68	38	68
7B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
7C	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
8A	ALACHLOR + GLYPHOSAT	4.00 E	5.00 LB/AC	PRE	60	80	0	60	80	25	68	28	68
8B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
8C	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	52	85	0	52	85	35	80	38	82
9B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
9C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
9D	X-77 (SURFACTANT)	.50 WA	.50 %	PRE									
9E	LIQUID FERTILIZER	.00 AD	200.00 QT/AC	PRE									

Table 8: Corn No-Tillage in Stalkland using Fertilizer Carrier (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 10-----					-----JULY 12-----			
					GRAS	BRLE	CRIN	LACG	RRPM	GRAS	BRLE	LACG	RRPM
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	60	88	0	60	88	32	78	32	80
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
10C	LIQUID FERTILIZER	.00 AD200.00	QT/AC	PRE									
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	80	0	85	80	65	58	65	68
11B	CYANAZINE	4.00 L	3.00 LB/AC	PRE									
11C	PARAQUAT	2.00 E	.25 LB/AC	PRE									
11D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE									
12A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	60	88	0	60	88	32	82	32	82
12B	ALACHLOR	4.00 E	2.50 LB/AC	PRE									
12C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE									
LSD(05):					2	17	NS	12	17	17	19	17	19

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 125 N, 60 P, 60 K PH: 5.8 U.M.: 4.1%
 DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PRE
 VARIETY: PIONEER 3369A

Table 9: Corn—Yellow Nutsedge—Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---5/14 --		---7/12 --	
					GRIN	YENS	GRIN	YENS
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	2	72	2	72
1B	M3R 22359	2.00 E	1.50 LB/AC	PRE				
1C	PROTECT	.00 WA	1.00 %	SED				
2A	ATRAZINE	4.00 L	1.50 LB/AC	PPI	0	74	0	72
2B	M3R 22359	2.00 E	1.50 LB/AC	PPI				
2C	PROTECT	.00 WA	1.00 %	SED				
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	4	75	2	70
3B	M3R 22359	2.00 E	2.00 LB/AC	PRE				
3C	PROTECT	.00 WA	1.00 %	SED				
4A	ATRAZINE	4.00 L	1.50 LB/AC	PPI	5	80	5	80
4B	M3R 22359	2.00 E	2.00 LB/AC	PPI				
4C	PROTECT	.00 WA	1.00 %	SED				
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	2	80	5	75
5B	M3R 22359	2.00 E	2.50 LB/AC	PRE				
5C	PROTECT	.00 WA	1.00 %	PRE				
6A	ATRAZINE	4.00 L	1.50 LB/AC	PPI	5	80	2	72
6B	M3R 22359	2.00 E	2.50 LB/AC	PPI				
6C	PROTECT	.00 WA	1.00 %	SED				

LSD(05): NS NS NS NS

LOCATION: SPINDLETOP

FERTILIZATION (LB/AC): 250 N, 60 P, 60 K

DATE PLANTED: MAY 10

VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM

PH: 6.3 U.M.: 2.4%

DATE TREATED: MAY 10 SED

MAY 10 PPI & PRE

Table 10: Corn—Yellow Nutsedge—No Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/14 --		---7/12 --	
					GRIN	YENS	GRIN	YENS
1	ALACHLOR	4.00 E	3.00 LB/AC	PRE	9	85	12	80
2	ALACHLOR	4.00 E	3.00 LB/AC	PPI	9	82	15	92
3	ALACHLOR	4.00 ME	3.00 LB/AC	PPI	5	82	22	92
4	ALACHLOR	4.00 E	4.00 LB/AC	PPI	15	90	22	82
5	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	15	60	15	100
6	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	22	70	28	100
7	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	20	70	28	100
8A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	5	82	2	82
8B	WITH R-33865	1.00	.67	PPI				
8C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
9A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	10	88	15	80
9B	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	5	60	0	50
10B	BENTAZON	4.00 E	1.00 LB/AC	MP				
10C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
11A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	5	85	5	85
11B	WITH R-33865	1.00	.67	PPI				
11C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
12A	RO-NEET/R 29148	5.30 EC	4.00 LB/AC	PPI	2	88	12	85
12B	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
13A	RO-NEET	6.00 E	4.00 LB/AC	PPI	5	88	5	90
13B	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
14	CHECK (CULTIVATED)	.00 CK	.00		0	100	0	100
				LSD(05):	9	14	8	11

LOCATION: SPINDLETOP
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 10
 VARIETY: PIONEER 3369A
 SOIL TYPE: MAURY SILT LOAM
 PH: 6.3 U.M.: 2.4%
 DATE TREATED: MAY 10 PPI
 MAY 10 PRE
 JUNE 7 MP

Table 11: Soybean Preemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	ERLE	GRIN	GLFI	VELE	COGJ	TIME	PERC
1	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	75	0	90	98	70	90	75
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	95	0	92	98	100	95	100
2B	LINURON	4.00 L	1.00 LB/AC	PRE								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	0	95	100	100	98	100
3B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
4A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	88	0	90	100	85	92	90
4B	PPG-844	2.00 E	.20 LB/AC	PRE								
5A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	88	85	0	88	95	88	85	92
5B	PPG-844	2.00 E	.30 LB/AC	PRE								
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	85	28	90	98	90	90	82
6B	PPG 1013	1.00 E	.10 LB/AC	PRE								
7A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	90	10	90	100	100	90	98
7B	PPG 1013	1.00 E	.20 LB/AC	PRE								
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	90	38	90	98	98	98	98
8B	PPG 1013	1.00 E	.30 LB/AC	PRE								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	88	0	90	95	90	95	92
9B	RH-0265	2.00 E	.38 LB/AC	PRE								
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	90	98	92	95	95
10B	RH-0265	2.00 E	.50 LB/AC	PRE								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	90	0	92	95	90	92	95
11B	RH-0265	2.00 E	.75 LB/AC	PRE								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	95	0	98	98	95	95	98
12B	RH 7054	37.50 WP	.50 LB/AC	PRE								
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	0	95	98	93	98	98
13B	RH 7054	37.50 WP	1.00 LB/AC	PRE								
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	95	0	90	98	100	100	95
14B	DPX F6025	75.00 DF	.01 LB/AC	PRE								
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	95	0	92	100	100	98	100
15B	DPX F6025	75.00 DF	.02 LB/AC	PRE								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	100	0	93	100	100	100	100
16B	DPX F6025	75.00 DF	.03 LB/AC	PRE								

Table 11: Soybean Preemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JUNE 23-----							
					GRAS	ARLE	CRIN	GIEI	VELE	COLI	LINE	PEWM
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	10	100	100	100	100	100
17B	DPX F6025	75.00 DF	.06 LB/AC	PRE								
18A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	82	10	100	100	50	100	88
18B	NANPA/DN	75.00 SG	4.50 LB/AC	PRE								
19A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	80	12	100	100	72	100	95
19B	NANPA/DN	3.00 E	4.50 LB/AC	PRE								
20	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	70	0	100	100	50	100	80
21	LINURON	4.00 L	1.00 LB/AC	PRE	85	88	0	85	95	95	90	100
22	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	45	80	0	45	95	92	80	90
23A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	88	95	0	88	100	100	92	100
23B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
24	CGA-82725	2.00 EC	.50 LB/AC	PRE	95	50	0	95	48	15	25	42
25	CGA-82725	2.00 EC	.75 LB/AC	PRE	98	18	25	98	22	10	15	15
26A	CGA-82725	2.00 EC	.50 LB/AC	PRE	88	90	0	88	92	88	80	98
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
27A	CGA-82725	2.00 EC	.75 LB/AC	PRE	90	85	0	90	100	88	78	90
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
28A	MOR 22359	2.00 E	2.00 LB/AC	PRE	90	90	0	90	98	95	90	95
28B	LINURON	4.00 L	1.00 LB/AC	PRE								
29	SO 95481	7.00 EC	.75 LB/AC	PRE	92	82	5	92	98	88	88	72
30	SO 95481	7.00 EC	1.00 LB/AC	PRE	100	78	8	100	95	95	70	82
31A	SO 95481	7.00 EC	.75 LB/AC	PRE	92	78	0	92	88	82	70	82
31B	ACIFLUORFEN	2.00 S	.50 LB/AC	MP								
31C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
32	F0E 2696	2.00 EC	.45 LB/AC	PRE	70	80	0	70	90	70	82	80
33	F0E 2696	2.00 EC	.90 LB/AC	PRE	92	75	5	92	92	58	95	75
34	F0E 2696	2.00 EC	1.34 LB/AC	PRE	90	82	0	90	100	80	90	90

Table 11: Soybean Preemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 23							
					GRAS	ARLE	CRIN	GLFI	VELE	COLI	TIME	PRSN
35A	FUE 2696	2.00 EC	.45 LB/AC	PRE	90	95	0	90	98	95	98	100
35B	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE								
36	FMC 57020	4.00 EC	.75 LB/AC	PRE	100	98	0	100	100	100	100	100
37	FMC 57020	4.00 EC	1.00 LB/AC	PRE	100	95	0	100	100	100	100	100
38	FMC 57020	4.00 EC	1.25 LB/AC	PRE	100	98	25	100	100	100	100	100
39A	FMC 57020	4.00 EC	.75 LB/AC	PRE	98	98	0	98	100	100	98	100
39B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
40A	FMC 57020	4.00 EC	1.00 LB/AC	PRE	100	98	0	100	100	100	100	100
40B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
41	SC 1056	2.40 F	.06 LB/AC	PRE	88	98	72	88	100	100	98	92
42	SC 1056	2.40 F	.12 LB/AC	PRE	95	95	88	98	100	100	100	98
43	SC 1056	2.40 F	.24 LB/AC	PRE	95	98	100	95	98	100	100	100
44A	DPX F6025	75.00 DF	.01 LB/AC	PRE	42	80	0	52	100	100	75	98
44B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
45A	DPX F6025	75.00 DF	.02 LB/AC	PRE	82	90	0	82	99	100	88	100
45B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
46A	DPX F6025	75.00 DF	.03 LB/AC	PRE	90	88	0	90	100	100	85	100
46B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
47	AC 214	75.00 DG	.13 LB/AC	PRE	85	95	0	85	100	100	100	95
48	AC 214	75.00 DG	.25 LB/AC	PRE	88	100	0	88	100	100	100	100
49	AC 214	75.00 DG	.38 LB/AC	PRE	95	100	0	95	100	100	100	100
50A	AC 214	75.00 DG	.13 LB/AC	PRE	98	100	2	98	100	100	100	100
50B	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
51A	AC 214	75.00 DG	.25 LB/AC	PRE	100	100	5	100	100	100	100	98
51B	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
52	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
LSD(05):					10	12	16	9	13	15	15	16

LOCATION: SPINDLETOP FARM

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

DATE PLANTED: MAY 11

VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM

pH: 6.5 O.M.: 3.3%

DATE TREATED: MAY 11 PRE

JUNE 23 MP

Table 12: Soybean Preemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 20-----							
					GRAS	IRLE	CRIN	GIEI	VELE	COLI	LINE	PEDN
1	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	48	0	80	88	48	55	58
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	82	0	80	92	100	75	90
2B	LINURON	4.00 L	1.00 LB/AC	PRE								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	65	72	0	65	95	88	50	98
3B	METRIPOZIN 1	4.00 F	.50 LB/AC	PRE								
4A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	62	62	0	62	80	52	62	78
4B	PPG-844	2.00 E	.20 LB/AC	PRE								
5A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	52	58	0	52	72	52	68	68
5B	PPG-844	2.00 E	.30 LB/AC	PRE								
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	42	55	10	42	88	72	45	65
6B	PPG 1013	1.00 E	.10 LB/AC	PRE								
7A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	45	75	12	45	75	90	62	95
7B	PPG 1013	1.00 E	.20 LB/AC	PRE								
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	28	72	20	28	90	88	72	82
8B	PPG 1013	1.00 E	.30 LB/AC	PRE								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	62	70	0	62	95	55	72	82
9B	RH-0265	2.00 E	.38 LB/AC	PRE								
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	50	62	0	50	90	52	75	82
10B	RH-0265	2.00 E	.50 LB/AC	PRE								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	55	68	2	55	90	70	70	75
11B	RH-0265	2.00 E	.75 LB/AC	PRE								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	72	72	0	72	88	78	58	98
12B	RH 7054	37.50 WP	.50 LB/AC	PRE								
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	60	80	0	60	90	85	68	85
13B	RH 7054	37.50 WP	1.00 LB/AC	PRE								
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	60	88	0	60	100	100	85	82
14B	DPX F6025	75.00 DF	.01 LB/AC	PRE								
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	58	90	0	58	98	100	90	98
15B	DPX F6025	75.00 DF	.02 LB/AC	PRE								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	75	92	0	75	100	100	98	100
16B	DPX F6025	75.00 DF	.03 LB/AC	PRE								

Table 12: Soybean Preemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 20-----							
					GRASS	SMALL	CRIM	GLFI	VELE	CL-1	TIME	PERN
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	92	0	85	98	100	95	100
17B	DPX F6025	75.00 DF	.06 LB/AC	PRE								
18A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	92	48	0	92	80	42	80	75
18B	NANPA/DN	75.00 SG	4.50 LB/AC	PRE								
19A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	92	52	5	92	92	25	78	80
19B	NANPA/DN	3.00 E	4.50 LB/AC	PRE								
20	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	92	35	0	92	75	18	90	42
21	LINURON	4.00 L	1.00 LB/AC	PRE	48	80	0	48	75	95	50	98
22	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	18	80	0	20	98	98	65	100
23A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	55	78	2	55	92	90	70	95
23B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
24	CGA-82725	2.00 EC	.50 LB/AC	PRE	90	28	12	90	78	5	72	45
25	CGA-82725	2.00 EC	.75 LB/AC	PRE	90	25	2	90	55	15	65	15
26A	CGA-82725	2.00 EC	.50 LB/AC	PRE	58	68	0	58	100	80	52	80
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
27A	CGA-82725	2.00 EC	.75 LB/AC	PRE	82	62	2	78	92	65	78	82
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
28A	M3R 22359	2.00 E	2.00 LB/AC	PRE	50	80	0	50	95	95	72	92
28B	LINURON	4.00 L	1.00 LB/AC	PRE								
29	SD 95481	7.00 EC	.75 LB/AC	PRE	88	58	10	88	48	48	38	40
30	SD 95481	7.00 EC	1.00 LB/AC	PRE	85	48	8	85	82	55	52	60
31A	SD 95481	7.00 EC	.75 LB/AC	PRE	73	82	0	78	92	65	100	100
31B	ACIFLUORFEN	2.00 S	.50 LB/AC	MP								
31C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
32	FOE 2696	2.00 EC	.45 LB/AC	PRE	45	65	0	45	95	58	65	90
33	FOE 2696	2.00 EC	.90 LB/AC	PRE	68	45	2	68	92	8	50	60
34	FOE 2696	2.00 EC	1.34 LB/AC	PRE	75	50	8	75	85	40	50	80

Table 12: Soybean Preemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 20-----							
					GRAS	RALE	CRIN	GIFI	VELE	QDLI	LIWE	PELN
35A	FDE 2696	2.00 EC	.45 LB/AC PRE		48	75	0	48	98	95	80	88
35B	METRIBUZIN 1	75.00 DF	.50 LB/AC PRE									
36	FMC 57020	4.00 EC	.75 LB/AC PRE		90	85	0	90	98	92	95	100
37	FMC 57020	4.00 EC	1.00 LB/AC PRE		95	92	0	95	100	100	95	100
38	FMC 57020	4.00 EC	1.25 LB/AC PRE		95	92	0	95	100	100	98	100
39A	FMC 57020	4.00 EC	.75 LB/AC PRE		90	90	0	90	100	95	80	100
39B	METRIBUZIN 1	4.00 F	.50 LB/AC PRE									
40A	FMC 57020	4.00 EC	1.00 LB/AC PRE		98	95	0	98	100	100	100	100
40B	METRIBUZIN 1	4.00 F	.50 LB/AC PRE									
41	SC 1056	2.40 F	.06 LB/AC PRE		25	62	45	25	82	100	50	82
42	SC 1056	2.40 F	.12 LB/AC PRE		40	70	78	40	90	95	50	95
43	SC 1056	2.40 F	.24 LB/AC PRE		25	80	82	25	75	100	98	80
44A	DPX F6025	75.00 DF	.01 LB/AC PRE		30	92	0	30	100	100	100	95
44B	METRIBUZIN 2	4.00 L	.38 LB/AC PRE									
45A	DPX F6025	75.00 DF	.02 LB/AC PRE		52	90	0	52	98	100	98	98
45B	METRIBUZIN 2	4.00 L	.38 LB/AC PRE									
46A	DPX F6025	75.00 DF	.03 LB/AC PRE		45	90	0	45	100	100	98	100
46B	METRIBUZIN 2	4.00 L	.38 LB/AC PRE									
47	AC 214	75.00 DG	.13 LB/AC PRE		72	90	0	72	95	100	95	95
48	AC 214	75.00 DG	.25 LB/AC PRE		80	98	0	80	100	100	95	100
49	AC 214	75.00 DG	.38 LB/AC PRE		80	100	8	88	100	100	100	100
50A	AC 214	75.00 DG	.13 LB/AC PRE		80	95	0	80	98	100	95	100
50B	ALACHLOR	4.00 E	2.50 LB/AC PRE									
51A	AC 214	75.00 DG	.25 LB/AC PRE		90	90	0	90	98	100	98	95
51B	ALACHLOR	4.00 E	2.50 LB/AC PRE									
52	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100

LSD(05): 19 17 2 19 21 24 25 25

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

pH: 6.5 U.M.: 3.3%

DATE PLANTED: MAY 11

DATE TREATED: MAY 11 PRE

VARIETY: WILLIAMS

JUNE 23 MP

Table 13: Soybean Preplant Incorporated and Postemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MEID	-----JUNE 23-----							
					GRAS	SRLE	CRIM	GIFI	VELE	COLL	TIME	PESW
1A	ALACHLOR	4.00 E	2.50 LB/AC PPI		90	82	0	88	100	80	95	88
1B	METRIBUZIN	75.00 DF	.50 LB/AC PPI									
2A	ALACHLOR	4.00 E	2.50 LB/AC PPI		90	95	2	90	98	100	95	98
2B	METRIBUZIN 1	75.00 DF	.38 LB/AC PPI									
2C	METRIBUZIN 1	75.00 DF	.38 LB/AC PRE									
3A	METOLACHLOR	8.00 E	2.50 LB/AC PPI		95	90	8	95	100	88	100	98
3B	METRIBUZIN 1	4.00 F	.50 LB/AC PPI									
4	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	82	0	90	95	82	90	80
5A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	90	0	90	100	100	92	88
5B	PPG 1013	1.00 E	.10 LB/AC PRE									
6A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	90	12	90	100	100	92	98
6B	PPG 1013	1.00 E	.20 LB/AC PRE									
7A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		95	98	38	95	92	100	100	98
7B	PPG 1013	1.00 E	.30 LB/AC PRE									
8A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		92	92	10	92	98	98	100	95
8B	PPG 1013	1.00 E	.02 LB/AC EP									
9A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	92	22	90	100	100	98	95
9B	PPG 1013	1.00 E	.03 LB/AC EP									
10A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		92	95	18	92	100	100	100	98
10B	PPG 1013	1.00 E	.04 LB/AC EP									
11A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	92	18	90	98	100	95	98
11B	PPG 1013	1.00 E	.06 LB/AC EP									
12A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	90	5	90	98	98	95	90
12B	PPG-844	2.00 E	.10 LB/AC EP									
13A	TRIFLURALIN	4.00 F	1.00 LB/AC PPI		90	90	12	90	98	98	100	90
13B	PPG-844	2.00 F	.15 LB/AC EP									
14A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	92	20	90	98	92	98	95
14B	PPG-844	2.00 F	.20 LB/AC EP									
15A	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	90	0	90	98	100	90	100
15B	METRIBUZIN 1	75.00 DF	.38 LB/AC PPI									
15C	METRIBUZIN 1	75.00 DF	.38 LB/AC PRE									

Table 13: Soybean Preplant Incorporated and Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIEI	VELE	CLD	TIME	PESY
16A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	85	2	90	88	88	85	92
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
17A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	92	2	90	100	100	90	100
17B	DPX F6025	75.00 DF	.02 LB/AC	PPI								
18A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	95	18	90	100	100	95	100
18B	DPX F6025	75.00 DF	.03 LB/AC	PPI								
19A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	100	22	95	100	100	100	100
19B	DPX F6025	75.00 DF	.06 LB/AC	PPI								
20A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	100	35	95	100	100	100	100
20B	DPX F6025	75.00 DF	.12 LB/AC	PPI								
21A	VERNOLATE	7.00 E	2.50 LB/AC	PPI	90	90	28	90	95	90	100	90
21B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
21C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
22	SC 1056	2.40 F	.24 LB/AC	PPI	90	90	38	90	95	98	98	95
23	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	90	80	0	90	98	78	85	85
24A	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	90	82	0	90	100	82	90	90
24B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
25A	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	92	90	0	92	98	100	90	100
25B	LINURON	4.00 L	1.00 LB/AC	PRE								
26A	FLUCHLORALIN	4.00 F	1.00 LB/AC	PPI	90	82	0	90	80	78	85	82
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
26C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP								
26D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
27A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	90	82	5	90	95	92	82	90
27B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
27C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
28A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	90	88	8	90	90	92	88	92
28B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
29A	PENDIMETHALIN	4.00 F	1.25 LB/AC	PPI	90	82	2	90	82	92	88	78
29B	AC 214	75.00 DG	.13 LB/AC	MP								
29C	INFEEN 20 (SURFACTANT)	.00 WA	.25 %	MP								

Table 13: Soybean Preplant Incorporated and Postemergence—First Evaluation (continued)

TREATMENT	FORMULA	RATE	APPL METHOD	-----JUNE 23-----							
				GRASS	ARLE	CRIN	GIEI	VELE	COLI	TIME	PESH
30A PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	90	82	12	90	92	89	90	70
30B AC 214	75.00 DG	.25 LB/AC	MP								
30C TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP								
31A METRIBUZIN 2	4.00 L	.38 LB/AC	PPI	82	92	0	82	100	100	90	100
31B DPX F6025	75.00 DF	.03 LB/AC	PPI								
32 FMC 57020	4.00 EC	.75 LB/AC	PPI	95	85	0	95	100	78	90	88
33 FMC 57020	4.00 EC	1.00 LB/AC	PPI	99	88	0	98	100	90	98	100
34A FMC 57020	4.00 EC	.75 LB/AC	PPI	98	95	0	98	100	100	92	100
34B METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
35A FMC 57020	4.00 EC	1.00 LB/AC	PPI	100	95	0	100	100	100	95	100
35B METRIBUZIN 1	4.00 F	.25 LB/AC	PRE								
36 FDE 2696	2.00 EC	.45 LB/AC	PPI	72	28	8	72	100	28	22	30
37 FDE 2696	2.00 EC	.90 LB/AC	PPI	82	25	18	82	100	20	45	25
38 SD 95481	7.00 EC	.50 LB/AC	PPI	90	45	0	90	60	38	52	40
39 SD 95481	7.00 EC	.75 LB/AC	PPI	90	75	10	90	85	68	82	80
40A SD 95481	7.00 EC	.50 LB/AC	PPI	90	40	0	90	100	42	62	40
40B ACIFLUORFEN	2.00 S	.50 LB/AC	MP								
40C TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
41 PRODIAMINE	50.00 WP	.67 LB/AC	PPI	90	90	8	90	100	98	90	98
42A PRODIAMINE	50.00 WP	.67 LB/AC	PPI	90	88	22	90	100	98	92	98
42B METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
43A PRODIAMINE	50.00 WP	.67 LB/AC	PPI	92	90	12	92	100	100	95	98
43B METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
44A DINITROAMINE	2.00 E	.67 LB/AC	PPI	90	90	45	90	92	92	90	98
44B METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
45 AC 214	75.00 DG	.13 LB/AC	PPI	80	98	0	80	100	98	100	98
46 AC 214	75.00 DG	.25 LB/AC	PPI	92	98	8	92	100	100	98	100
47 AC 214	75.00 DG	.38 LB/AC	PPI	95	100	20	95	100	100	100	100

Table 13: Soybean Preplant Incorporated and Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIEI	VELE	COLL	LINE	PESM
48A	AC 214	75.00 DG	.13 LB/AC PPI		93	100	8	98	100	100	100	100
48B	PENDIMETHALIN	4.00 E	1.25 LB/AC PPI									
49A	AC 214	75.00 DG	.25 LB/AC PPI		93	100	12	98	100	100	100	100
49B	PENDIMETHALIN	4.00 E	1.25 LB/AC PPI									
50	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
			LSD(05):		7	14	16	7	12	15	17	17

LOCATION: SPINDLETOP
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 11
 VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.3%
 DATE TREATED: MAY 11 PPI & PRE
 JUNE 2 EP
 JUNE 23 MP

Table 14: Soybean Preplant Incorporated and Postemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 20-----							
					GRAS	BRLE	CRIN	GIEI	VELE	COLJ	JIWE	PESM
1A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	72	65	0	72	100	33	78	95
1B	METRIBUZIN	75.00 DF	.50 LB/AC	PPI								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	52	88	0	52	95	88	90	95
2B	METRIBUZIN 1	75.00 DF	.38 LB/AC	PPI								
2C	METRIBUZIN 1	75.00 DF	.38 LB/AC	PRE								
3A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	85	65	2	85	100	50	85	92
3B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
4	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	55	2	90	88	35	52	45
5A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	85	70	0	85	95	92	58	72
5B	PPG 1013	1.00 E	.10 LB/AC	PRE								
6A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	85	88	5	85	100	95	58	95
6B	PPG 1013	1.00 E	.20 LB/AC	PRE								
7A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	82	0	90	92	90	80	95
7B	PPG 1013	1.00 E	.30 LB/AC	PRE								
8A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	80	82	5	80	92	98	92	78
8B	PPG 1013	1.00 E	.02 LB/AC	EP								
9A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	70	82	5	72	95	92	82	88
9B	PPG 1013	1.00 E	.03 LB/AC	EP								
10A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	80	88	0	82	95	100	82	95
10B	PPG 1013	1.00 E	.04 LB/AC	EP								
11A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	72	90	0	72	95	100	88	90
11B	PPG 1013	1.00 E	.06 LB/AC	EP								
12A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	78	78	0	78	95	82	70	75
12B	PPG-844	2.00 E	.10 LB/AC	EP								
13A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	70	80	0	70	95	88	88	70
13B	PPG-844	2.00 E	.15 LB/AC	EP								
14A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	80	85	2	80	95	92	88	92
14B	PPG-844	2.00 E	.20 LB/AC	EP								
15A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	88	78	0	88	98	100	70	98
15B	METRIBUZIN 1	75.00 DF	.38 LB/AC	PPI								
15C	METRIBUZIN 1	75.00 DF	.38 LB/AC	PRE								

Table 14: Soybean Preplant Incorporated and Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 20-----							
					GRAS	RBLE	GRIN	GIEI	VELE	COLL	TIME	RESN
16A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	62	0	90	80	65	82	72
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
17A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	88	80	0	88	100	100	95	98
17B	DPX F6025	75.00 DF	.02 LB/AC	PPI								
18A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	88	88	0	88	100	100	95	100
18B	DPX F6025	75.00 DF	.03 LB/AC	PPI								
19A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	88	2	90	100	98	100	100
19B	DPX F6025	75.00 DF	.06 LB/AC	PPI								
20A	TRIFLURALIN	4.00 F	1.00 LB/AC	PPI	90	90	8	90	100	100	100	100
20B	DPX F6025	75.00 DF	.12 LB/AC	PPI								
21A	VERNOLATE	7.00 E	2.50 LB/AC	PPI	55	68	5	55	95	42	95	72
21B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
21C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
22	SC 1056	2.40 F	.24 LB/AC	PPI	48	78	22	48	95	100	95	85
23	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	80	52	0	80	92	52	60	70
24A	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	82	60	0	82	100	50	70	85
24B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
25A	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	90	88	0	90	98	100	72	100
25B	LINURON	4.00 L	1.00 LB/AC	PRE								
26A	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	95	50	0	95	70	30	40	48
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
26C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP								
26D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
27A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	80	72	2	80	90	70	95	88
27B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
27C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
28A	PENDIMETHALIN	4.00 F	1.00 LB/AC	PPI	90	58	5	90	85	62	88	60
28B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
29A	PENDIMETHALIN	4.00 F	1.25 LB/AC	PPI	90	80	2	90	82	75	92	95
29B	AC 214	75.00 DG	.13 LB/AC	MP								
29C	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP								

Table 14: Soybean Preplant Incorporated and Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 20-----								
					GRAS	ARLE	CRIN	GIEI	VELE	COLI	LINE	PESM	
30A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	90	80	10	90	85	55	100	95	
30B	AC 214	75.00 DG	.25 LB/AC	MP									
30C	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP									
31A	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI	35	90	2	35	100	100	100	98	
31B	DPX F6025	75.00 DF	.03 LB/AC	PPI									
32	FMC 57020	4.00 EC	.75 LB/AC	PPI	90	60	8	90	100	45	92	95	
33	FMC 57020	4.00 EC	1.00 LB/AC	PPI	90	70	0	90	100	90	98	98	
34A	FMC 57020	4.00 EC	.75 LB/AC	PPI	90	85	0	90	100	100	95	100	
34B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
35A	FMC 57020	4.00 EC	1.00 LB/AC	PPI	92	82	0	92	98	98	100	100	
35B	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
36	FOE 2696	2.00 EC	.45 LB/AC	PPI	32	32	22	32	100	15	98	52	
37	FOE 2696	2.00 EC	.90 LB/AC	PPI	85	18	20	85	100	0	98	18	
38	SD 95481	7.00 EC	.50 LB/AC	PPI	82	38	8	82	18	0	25	25	
39	SD 95481	7.00 EC	.75 LB/AC	PPI	90	32	5	90	62	8	62	5	
40A	SD 95481	7.00 EC	.50 LB/AC	PPI	80	58	25	80	98	25	100	65	
40B	ACIFLUORFEN	2.00 S	.50 LB/AC	MP									
40C	TRITON A6 98 SURFACT	.00 WA	.13 %	MP									
41	PRODIAMINE	50.00 WP	.67 LB/AC	PPI	88	78	0	88	100	98	72	95	
42A	PRODIAMINE	50.00 WP	.67 LB/AC	PPI	90	68	15	90	98	100	58	95	
42B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
43A	PRODIAMINE	50.00 WP	.67 LB/AC	PPI	92	85	0	92	98	100	90	92	
43B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
44A	DINITROAMINE	2.00 E	.67 LB/AC	PPI	58	68	20	58	85	58	72	78	
44B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
45	AC 214	75.00 DG	.13 LB/AC	PPI	62	98	0	62	100	100	100	100	
46	AC 214	75.00 DG	.25 LB/AC	PPI	85	98	2	85	98	100	98	100	
47	AC 214	75.00 DG	.38 LB/AC	PPI	90	98	12	90	100	100	100	100	

Table 14: Soybean Preplant Incorporated and Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JULY 20-----							
					GRAS	BRLE	CRIN	GIEI	VELE	COLL	LIWE	PESW
48A	AC 214	75.00 DG	.13 LB/AC	PPI	90	95	2	90	100	100	95	100
48B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI								
49A	AC 214	75.00 DG	.25 LB/AC	PPI	92	95	8	92	98	100	100	98
49B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI								
50	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
			LSO(05):		15	21	11	15	15	28	24	23

LOCATION: SPINDLETOP
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 11
 VARIETY: WILLIAMS

60 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.3%
 DATE TREATED: MAY 11 PPI & PRE
 JUNE 2 EP
 JUNE 23 MP

Table 15: Soybean Postemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK AFTER APPLIED.-----							
					GRAS	BRLE	CRIN	GFPI	VELE	COLL	COGB	PES#
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	92	0	90	92	98	100	100
1B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
1C	BENTAZON	4.00 E	.75 LB/AC	MP								
1D	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	82	18	95	88	85	100	92
2B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
2C	2,4-DB	2.00 E	.03 LB/AC	MP								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	88	8	90	95	80	98	95
3B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
3C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	20	90	95	90	100	92
4B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP								
4C	BENTAZON	4.00 E	.50 LB/AC	MP								
4D	2,4-DB	2.00 E	.03 LB/AC	MP								
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	90	5	92	95	90	100	100
5B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP								
5C	BENTAZON	4.00 E	.50 LB/AC	MP								
5D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	85	0	90	95	78	95	85
6B	RH 4091	2.14 E	.75 LB/AC	MP								
6C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	82	0	90	95	72	100	88
7B	RH 4091	2.14 E	.38 LB/AC	MP								
7C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	85	2	90	82	78	95	78
8B	PPG-844	2.00 E	.10 LB/AC	EP								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	88	8	90	92	72	92	92
9B	PPG-344	2.00 E	.15 LB/AC	EP								
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	88	0	88	92	82	92	85
10B	PPG 1013	1.00 E	.02 LB/AC	EP								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	90	8	92	95	98	100	95
11B	PPG 1013	1.00 E	.04 LB/AC	EP								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	70	15	92	88	82	95	60
12B	BENAZOLIN	4.00 E	.25 LB/AC	EP								
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								

Table 15: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK AFTER APPLIED.-----							
					GRAS	BRLE	CRIN	GIET	VELE	COLL	COCH	PESH
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	75	8	90	98	88	100	48
13B	BENAZOLIN	4.00 E	.38 LB/AC	EP								
13C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	68	8	92	88	62	100	62
14B	BENAZOLIN	4.00 E	.25 LB/AC	EP								
14C	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP								
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	90	95	90	78	88
15B	BENAZOLIN	4.00 E	.25 LB/AC	EP								
15C	ACIFLUORFEN	2.00 L	.25 LB/AC	EP								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	10	90	88	92	90	88
16B	BENAZOLIN	4.00 E	.25 LB/AC	EP								
16C	ACIFLUORFEN	2.00 L	.25 LB/AC	EP								
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	90	0	92	98	82	95	95
17B	ACIFLUORFEN	2.00 L	.50 LB/AC	EP								
17C	TRITON AG 98 SURFACT	.00 WA	.13 %	EP								
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	2	90	90	88	95	98
18B	BENAZOLIN	4.00 E	.75 LB/AC	EP								
18C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	52	0	92	82	42	100	98
19B	DPX F6025	75.00 DF	.00 LB/AC	1TR								
19C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR								
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	60	2	85	95	45	100	95
20B	DPX F6025	75.00 DF	.00 LB/AC	1TR								
20C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR								
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	70	0	92	88	62	100	98
21B	DPX F6025	75.00 DF	.01 LB/AC	1TR								
21C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR								
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	75	0	88	98	58	100	100
22B	DPX F6025	75.00 DF	.02 LB/AC	1TR								
22C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR								
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	75	5	90	100	92	100	100
23B	DPX F6025	75.00 DF	.03 LB/AC	1TR								
23C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR								

Table 15: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK AFTER APPLIED.-----							
					GRAS	BRLE	CRIN	GFEL	VELE	COLL	COCB	PESW
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	92	95	88	100	98
24B	DPX F6025	75.00 DF	.01 LB/AC	1TR								
24C	ACIFLUORFEN	2.00 L	.25 LB/AC	1TR								
24D	TRITON AG 98 SURFACT	.00 WA	.13 %	1TR								
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	92	2	88	90	90	100	100
25B	DPX F6025	75.00 DF	.01 LB/AC	1TR								
25C	BENTAZON	4.00 E	.50 LB/AC	1TR								
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	100	2	98	100	100	100	100
26B	PPG-844	2.00 E	.50 LB/AC	PRE								
26C	PPG-844	2.00 E	.50 LB/AC	POD								
26D	X-77 (SURFACTANT)	.50 WA	.50 %	POD								
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0	100	100	100	100	100
27B	PPG-844	2.00 E	.50 LB/AC	PRE								
27C	PPG-844	2.00 E	.50 LB/AC	POD								
27D	2,4-DB	2.00 E	.03 LB/AC	POD								
27E	X-77 (SURFACTANT)	.50 WA	.50 %	POD								
28A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	5	92	5	5	100	92	100	100
28B	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
29A	PPG-844	2.00 E	.20 LB/AC	EP	85	78	10	85	98	72	100	52
29B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP								
29C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
30A	PPG 1013	1.00 E	.02 LB/AC	EP	85	88	10	85	90	92	98	78
30B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP								
30C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
31A	PPG 1013	1.00 E	.04 LB/AC	EP	89	90	2	88	95	95	98	98
31B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP								
31C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
32A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	85	58	0	85	100	58	95	48
32B	RH 4091	2.14 E	.25 LB/AC	MP								
32C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
33A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	55	50	0	55	72	55	78	32
33B	RH 4091	2.14 E	.28 LB/AC	MP								
33C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
34A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	100	0	8	100	8	0	38	0
34B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								

Table 15: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK AFTER APPLIED.-----							
					GRAS	RRLE	CRIN	SIFI	VELE	CLL1	CCCB	PESW
35A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	99	2	2	98	8	0	5	0
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
36A	FLUAZIFOP RUTYL	4.00 F	.25 LB/AC	MP	95	5	0	95	5	0	10	0
36B	TRITON AG 93 SURFACT	.00 WA	.13 X	MP								
37A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	85	70	2	88	85	92	68	85
37B	DOWCO 453	2.00 E	.03 LB/AC	MP								
37C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
38A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	90	62	0	90	90	75	60	70
38B	DOWCO 453	2.00 E	.06 LB/AC	MP								
38C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
39A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	90	62	0	90	95	95	88	80
39B	DOWCO 453	2.00 E	.09 LB/AC	MP								
39C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
40A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	95	68	2	95	90	68	68	72
40B	DOWCO 453	2.00 E	.13 LB/AC	MP								
40C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
41A	DPX F6025	75.00 DF	.01 LB/AC	1TR	95	42	5	95	100	25	98	90
41B	Y 6202	.00	.03	1TR								
41C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR								
42A	DPX F6025	75.00 DF	.01 LB/AC	1TR	99	28	8	98	100	5	100	92
42B	Y 6202	.00	.06	1TR								
42C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR								
43A	DPX F6025	75.00 DF	.02 LB/AC	1TR	95	28	5	95	100	5	100	92
43B	Y 6202	.00	.03	1TR								
43C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR								
44A	DPX F6025	75.00 DF	.02 LB/AC	1TR	95	30	5	95	100	0	100	100
44B	Y 6202	.00	.06	1TR								
44C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR								
45A	DPX F6025	75.00 DF	.01 LB/AC	1TR	99	35	8	98	80	12	100	78
45B	SETHOXYDIM	1.53 EC	.25 LB/AC	1TR								
45C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR								
46A	BENTAZON	4.00 E	1.00 LB/AC	1TR	90	82	0	90	95	90	100	100
46B	Y 6202	.00	.06	1TR								
46C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR								

Table 15: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	-----EVALUATED 4 WK AFTER APPLIED.-----							
					GRAS	SRLE	CRIN	GIEI	VELE	COLL	COCB	PESM
47A	BENTAZON	4.00 E	1.00 LB/AC	MP	0	100	48	0	100	100	100	100
47B	2,4-DB	2.00 E	.03 LB/AC	MP								
48A	SC 1084	.00	.13	MP	98	5	2	98	5	2	2	5
48B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
49A	SC 1084	.00	.25	MP	90	12	5	90	10	5	60	10
49B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
50A	SC 1084	.00	.50	MP	98	5	5	98	48	0	50	0
50B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
51A	SC 1084	.00	.13	LP	92	10	0	75	32	10	0	12
51B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
52A	SC 1084	.00	.25	LP	95	2	8	95	48	2	50	2
52B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
53A	SC 1084	.00	.50	LP	100	0	8	100	2	0	5	0
53B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
54A	HOE 33171	.75 EC	.15 LB/AC	MP	90	62	5	90	98	78	100	100
54B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
54C	BENTAZON	4.00 E	1.00 LB/AC	+4D								
54D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4D								
55A	HOE 33171	.75 EC	.20 LB/AC	MP	88	70	0	88	92	95	98	95
55B	BENTAZON	4.00 E	1.00 LB/AC	MP								
55C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
56A	HOE 33171	.75 EC	.20 LB/AC	MP	92	85	5	92	100	95	98	80
56B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
56C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP								
57A	HOE 33171	.75 EC	.20 LB/AC	MP	92	90	2	92	92	92	100	100
57B	BENTAZON	4.00 E	.75 LB/AC	MP								
57C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP								
57D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
58A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	75	18	95	95	55	98	88
58B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LPX								
58C	2,4-DB	2.00 E	.03 LB/AC	LP								
58D	SURFACTANT	.00 WA	.13 %	LP								
59A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	68	2	92	92	52	100	90
59B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP								

Table 15: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MEIH	-----EVALUATED 4 WK AFTER APPLIED.-----							
					GRAS	BRLE	CRIN	GIEI	VELE	COLJ	COCH	RESM
60A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	68	20	95	88	53	100	82
60B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP								
60C	2,4-DB	2.00 E	.03 LB/AC	LP								
61A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	58	20	95	78	45	100	88
61B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP								
61C	2,4-DB	2.00 E	.06 LB/AC	LP								
62A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	70	10	92	95	55	100	85
62B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP								
62C	2,4-DB	2.00 E	.06 LB/AC	LP								
62D	SURFACTANT	.00 WA	.13 %	LP								
63A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	90	85	5	90	88	85	98	92
63B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP								
63C	SOY OIL	.00 AD	.50 QT/AC	MP								
64A	AC 214	75.00 DG	.13 LB/AC	MP	82	38	5	82	75	15	100	65
64B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP								
65A	AC 214	75.00 DG	.25 LB/AC	MP	90	50	2	90	45	38	100	70
65B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP								
66	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
			LSD(05):		10	17	9	11	21	19	24	15

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 11
 VARIETY: WILLIAMS
 SOIL TYPE: MARIY SILT LOAM
 PH: 6.5 O.M.: 3.3%
 DATE TREATED: MAY 11 PRE
 JUNE 2 EP
 JUNE 7 1TR,MP
 JUNE 10 LP
 JUNE 11 +40
 JUNE 23 P00

Table 16: Soybean Postemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED---					
					GRY	GLI	VELE	COLQ	COCS	RESA
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	90	90	92	98	100
1B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP						
1C	BENTAZON	4.00 E	.75 LB/AC	MP						
1J	TRITON AG 95 SURFACT	.00 WA	.13 %	MP						
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	18	90	82	75	92	90
2B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP						
2C	2,4-DB	2.00 E	.03 LB/AC	MP						
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	10	90	85	72	98	88
3B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP						
3C	TRITON AG 95 SURFACT	.00 WA	.13 %	MP						
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	85	88	85	100	92
4B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP						
4C	BENTAZON	4.00 E	.50 LB/AC	MP						
4D	2,4-DB	2.00 E	.03 LB/AC	MP						
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	85	88	85	100	95
5B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP						
5C	BENTAZON	4.00 E	.50 LB/AC	MP						
5D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP						
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	88	92	62	92	92
6B	RH 4091	2.14 E	.25 LB/AC	MP						
6C	TRITON AG 95 SURFACT	.00 WA	.13 %	MP						
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	15	88	98	58	100	88
7B	RH 4091	2.14 E	.38 LB/AC	MP						
7C	TRITON AG 95 SURFACT	.00 WA	.13 %	MP						
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	82	72	52	95	72
8B	PPG-944	2.00 E	.10 LB/AC	EP						
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	90	85	32	95	55
9B	PPG-944	2.00 E	.15 LB/AC	EP						
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	9	78	85	70	95	55
10B	PPG 1013	1.00 E	.02 LB/AC	EP						
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	80	72	92	100	90
11B	PPG 1013	1.00 E	.04 LB/AC	EP						
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	80	78	55	98	45
12B	BENAZULIN	4.00 E	.25 LB/AC	EP						
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						

Table 16: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED---					
					CRIV	GIEI	VELE	COLQ	COCB	PESH
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	22	88	72	60	95	30
13B	BENAZOLIN	4.00 E	.38 LB/AC	EP						
13C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	19	85	70	58	98	55
14B	BENAZOLIN	4.00 E	.25 LB/AC	EP						
14C	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP						
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	88	85	78	88	78
15B	BENAZOLIN	4.00 E	.25 LB/AC	EP						
15C	ACIFLUORFEN	2.00 L	.25 LB/AC	EP						
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	82	75	92	95	78
16B	BENAZOLIN	4.00 E	.25 LB/AC	EP						
16C	ACIFLUORFEN	2.00 L	.25 LB/AC	EP						
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	19	88	85	80	92	90
17B	ACIFLUORFEN	2.00 L	.50 LB/AC	EP						
17C	TRITON AG 98 SURFACT	.00 WA	.13 %	EP						
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	80	85	70	80	90
18B	BENTAZON	4.00 E	.75 LB/AC	EP						
18C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	90	78	35	95	92
19B	DPX F6025	75.00 DF	.00 LB/AC	1TR						
19C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR						
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	85	82	40	92	90
20B	DPX F6025	75.00 DF	.00 LB/AC	1TR						
20C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR						
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	19	90	90	58	100	95
21B	DPX F6025	75.00 DF	.01 LB/AC	1TR						
21C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR						
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	85	92	52	100	98
22B	DPX F6025	75.00 DF	.02 LB/AC	1TR						
22C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR						
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	85	100	48	100	95
23B	DPX F6025	75.00 DF	.03 LB/AC	1TR						
23C	X-77 (SURFACTANT)	.50 WA	.25 %	1TR						

Table 16: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED---					
					GRN	GRN	VELE	COLQ	COCB	REYR
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	90	90	75	100	90
24B	DPX F6025	75.00 DF	.01 LB/AC	1TR						
24C	ACIFLUORFEN	2.00 L	.25 LB/AC	1TR						
24D	TRITON AG 98 SURFACT	.00 WA	.13 %	1TR						
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	85	85	78	100	100
25B	DPX F6025	75.00 DF	.01 LB/AC	1TR						
25C	BENTAZON	4.00 E	.50 LB/AC	1TR						
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	92	100	100	100	100
26B	PPG-844	2.00 E	.50 LB/AC	PRF						
26C	PPG-844	2.00 E	.50 LB/AC	POD						
26D	X-77 (SURFACTANT)	.50 WA	.50 %	POD						
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	98	100	100	100	100
27B	PPG-844	2.00 E	.50 LB/AC	PRE						
27C	PPG-844	2.00 E	.50 LB/AC	POD						
27D	2,4-D	2.00 E	.03 LB/AC	POD						
27E	X-77 (SURFACTANT)	.50 WA	.50 %	POD						
28A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	28	10	98	75	95	95
28B	TRITON AG 98 SURFACT	.00 WA	.13 %	MP						
29A	PPG-844	2.00 E	.20 LB/AC	EP	19	75	82	52	98	25
29B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP						
29C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
30A	PPG 1013	1.00 E	.02 LB/AC	EP	10	65	78	82	98	48
30B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP						
30C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
31A	PPG 1013	1.00 E	.04 LB/AC	EP	5	58	88	95	95	88
31B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP						
31C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
32A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	12	82	90	60	95	50
32B	RH 4091	2.14 E	.25 LB/AC	MP						
32C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP						
33A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	8	60	90	50	95	32
33B	RH 4091	2.14 E	.38 LB/AC	MP						
33C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP						
34A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	78	98	62	0	68	30
34B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP						

Table 16: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED ---					
					GRIN	GLEI	VELE	COLQ	COQ3	RESY
35A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	55	92	58	0	28	42
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
36A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	63	88	80	0	88	20
36B	TRITON AG 95 SURFACT	.00 WA	.13 %	MP						
37A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	12	80	88	72	68	88
37B	DUNCO 453	2.00 E	.03 LB/AC	MP						
37C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
38A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	10	82	85	72	92	72
38B	DUNCO 453	2.00 E	.06 LB/AC	MP						
38C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
39A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	10	88	82	70	90	72
39B	DUNCO 453	2.00 E	.09 LB/AC	MP						
39C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
40A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	12	90	88	65	82	78
40B	DUNCO 453	2.00 E	.13 LB/AC	MP						
40C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
41A	DPX F6025	75.00 DF	.01 LB/AC	1TR	30	88	98	22	100	99
41B	Y 6202	.00	.03	1TR						
41C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR						
42A	DPX F6025	75.00 DF	.01 LB/AC	1TR	48	90	98	10	98	88
42B	Y 6202	.00	.06	1TR						
42C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR						
43A	DPX F6025	75.00 DF	.02 LB/AC	1TR	60	90	95	8	95	92
43B	Y 6202	.00	.03	1TR						
43C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR						
44A	DPX F6025	75.00 DF	.02 LB/AC	1TR	52	90	95	8	100	95
44B	Y 6202	.00	.06	1TR						
44C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR						
45A	DPX F6025	75.00 DF	.01 LB/AC	1TR	35	90	85	5	98	80
45B	SETHOXYDIM	1.53 EC	.25 LB/AC	1TR						
45C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR						
46A	BENTAZON	4.00 E	1.00 LB/AC	1TR	9	88	88	85	95	95
46B	Y 6202	.00	.06	1TR						
46C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR						

Table 16: Soybean Postemergence—Second Evaluation (continued)

TRT	HERBICIDE	FORMULA	RAIL	APPL	---EVALUATED 8 WK AFTER APPLIED---					
NO.	TREATMENT			MEH	GRN	RIE	VEG	COL	CRG	RES
47A	BENTAZON	4.00 E	1.00 LB/AC	MP	38	0	100	100	100	100
47B	2,4-DB	2.00 E	.03 LB/AC	MP						
48A	SC 1084	.00	.13	MP	45	90	60	8	72	32
48B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
49A	SC 1084	.00	.25	MP	52	82	40	8	82	25
49B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
50A	SC 1084	.00	.50	MP	48	92	72	2	70	20
50B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
51A	SC 1084	.00	.13	LP	55	78	62	8	68	50
51B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP						
52A	SC 1084	.00	.25	LP	62	88	58	2	58	18
52B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP						
53A	SC 1084	.00	.50	LP	70	90	38	0	48	15
53B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP						
54A	HOE 33171	.75 EC	.15 LB/AC	MP	20	88	92	70	100	92
54B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
54C	BENTAZON	4.00 E	1.00 LB/AC	+4D						
54D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4D						
55A	HOE 33171	.75 EC	.20 LB/AC	MP	2	85	90	90	100	98
55B	BENTAZON	4.00 E	1.00 LB/AC	MP						
55C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
56A	HOE 33171	.75 EC	.20 LB/AC	MP	2	90	95	80	98	75
56B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP						
56C	TRITON AG 95 SURFACT	.00 WA	.13 %	MP						
57A	HOE 33171	.75 EC	.20 LB/AC	MP	2	88	88	85	95	100
57B	BENTAZON	4.00 E	.75 LB/AC	MP						
57C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP						
57D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP						
58A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	90	90	52	92	85
58B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP\						
58C	2,4-DB	2.00 E	.03 LB/AC	LP						
58D	SURFACTANT	.00 WA	.13 %	LP						
59A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	90	90	55	100	90
59B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP						

Table 16: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED ---					
					CRIN	GIEI	VELE	COLQ	QJCI	PE34
50A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	19	90	82	40	92	75
50B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP						
50C	2,4-DB	2.00 E	.03 LB/AC	LP						
51A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	19	90	82	38	98	89
51B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP						
51C	2,4-DB	2.00 E	.06 LB/AC	LP						
52A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	22	90	90	48	100	95
52B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP						
52C	2,4-DB	2.00 E	.06 LB/AC	LP						
52D	SURFACTANT	.00 WA	.13 %	LP						
53A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	90	75	75	98	90
53B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP						
53C	SOY OIL	.00 AD	.50 QT/AC	MP						
54A	AC 214	75.00 DG	.13 LB/AC	MP	25	80	90	18	98	70
54B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP						
55A	AC 214	75.00 DG	.25 LB/AC	MP	29	88	55	22	98	59
55B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP						
56	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100
LSD(05):					20	11	22	21	23	21

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 U.M.: 3.3%
 DATE TREATED: MAY 11 PRE
 JUNE 2 EP
 JUNE 7 1TR,MP

JUNE 10 LP
 JUNE 11 +4D
 JUNE 23 POD

Table 17: Soybean Postemergence II—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6-----									
					GRAS	BBLE	CRIN	GIEI	VELE	COLI	TIME	BBRN	PESH	
1A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	57	90	17	57	97	77	95	100	100	
1B	DOWCO 453	2.00 E	.06 LB/AC	MP										
1C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
2A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	83	90	0	83	93	80	90	90	100	
2B	DOWCO 453	2.00 E	.09 LB/AC	MP										
2C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
3A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	97	77	0	97	93	67	95	90	93	
3B	DOWCO 453	2.00 E	.13 LB/AC	MP										
3C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
4A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	87	87	3	87	97	85	97	97	97	
4B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
4C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
5A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	100	90	0	100	97	87	97	97	100	
5B	SETHOXYDIM	1.53 EC	.30 LB/AC	MP										
5C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
6A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	67	83	0	67	100	80	87	95	100	
6B	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP										
6C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP										
7A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	53	90	10	53	100	90	95	100	90	
7B	FLUAZIFOP BUTYL	4.00 E	.38 LB/AC	MP										
7C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP										
8A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	100	90	0	100	97	90	95	100	97	
8B	TRITON AG 98 SURFACT	.00 WA	.13 %	MP										
8C	SETHOXYDIM	1.53 EC	.20 LB/AC	+1W										
8D	OIL CONCENTRATE	.00 AD	.50 QT/AC	+1W										
9A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	27	100	3	27	100	100	100	100	100	
9B	X-77 (SURFACTANT)	.50 WA	.13 %	MP										
10A	CGA-92725	2.00 EC	.12 LB/AC	MP	87	80	0	87	97	80	80	87	100	
10B	BENTAZON	4.00 E	.75 LB/AC	MP										
10C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
11A	CGA-92725	2.00 EC	.25 LB/AC	MP	100	77	0	100	90	80	97	77	100	
11B	BENTAZON	4.00 E	.75 LB/AC	MP										
11C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
12A	CGA-92725	2.00 EC	.38 LB/AC	MP	67	67	0	100	100	55	95	67	100	
12B	BENTAZON	4.00 E	.75 LB/AC	MP										
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										

Table 17: Soybean Postemergence II—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6-----									
					GRAS	BRLE	CRIN	GIEI	VELE	COLJ	ILLE	RRRN	PESH	
13A	CGA-82725	2.00 EC	.12 LB/AC	MP	50	90	7	50	97	95	100	100	100	
13B	BENTAZON	4.00 E	.75 LB/AC	MP										
13C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP										
13D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
14A	CGA-82725	2.00 EC	.25 LB/AC	MP	80	87	10	80	97	80	95	97	100	
14B	BENTAZON	4.00 E	.75 LB/AC	MP										
14C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP										
14D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
15A	CGA-82725	2.00 EC	.38 LB/AC	MP	90	90	0	90	100	80	95	97	100	
15B	BENTAZON	4.00 E	.75 LB/AC	MP										
15C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP										
15D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
16A	CGA-82725	2.00 EC	.13 LB/AC	MP	100	0	3	100	0	0	0	0	0	
16B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
17A	CGA-82725	2.00 EC	.25 LB/AC	MP	100	13	0	100	23	27	50	47	0	
17B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
18A	CGA-82725	2.00 EC	.38 LB/AC	MP	100	0	0	100	0	0	67	7	0	
18B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
19A	BENTAZON	4.00 E	.75 LB/AC	MP	50	87	3	50	97	95	90	90	100	
19B	DOWCO 453	2.00 E	.03 LB/AC	MP										
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
20A	BENTAZON	4.00 E	.75 LB/AC	MP	93	80	0	93	97	85	90	80	100	
20B	DOWCO 453	2.00 E	.06 LB/AC	MP										
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
21A	BENTAZON	4.00 E	.75 LB/AC	MP	93	57	0	93	100	55	90	55	100	
21B	DOWCO 453	2.00 E	.13 LB/AC	MP										
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
22A	BENTAZON	4.00 E	1.00 LB/AC	MP	100	100	3	100	100	100	100	100	100	
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
22C	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP										
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP										
23A	BENTAZON	4.00 E	1.00 LB/AC	MP	100	100	7	100	100	100	100	100	100	
23B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP										
23C	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP										
23D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP										

Table 17: Soybean Postemergence II—First Evaluation (continued)

TST NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 6									
					GRAS	ARLE	GRIN	GIFI	VELE	COLJ	JLWE	AREY	PESM	
24A	BENTAZON	4.00 E	1.00 LB/AC	MP	80	87	3	80	97	85	87	95	93	
24B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP										
24C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
24D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
25A	BENTAZON	4.00 E	1.00 LB/AC	MP	67	83	0	67	97	95	97	65	100	
25B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
25C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
26A	BENTAZON	4.00 E	1.00 LB/AC	MP	0	100	0	0	100	100	100	100	100	
26B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
27A	BENTAZON	4.00 E	.75 LB/AC	MP	0	100	0	0	100	100	100	100	100	
27B	ACIFLUORFEN	2.00 L	.12 LB/AC	MP										
27C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
28A	BENTAZON	4.00 E	1.00 LB/AC	MP	7	100	0	7	100	100	100	100	67	
28B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP										
28C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
29A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	70	77	0	70	100	75	87	97	80	
29B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
29C	OIL CON. (A1PLUS)	.00 AD	.10 QT/AC	MP										
30A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	70	83	0	70	93	80	95	100	97	
30B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
30C	OIL CON. (A1PLUS)	.00 AD	.20 QT/AC	MP										
31A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	80	83	0	80	90	70	87	97	97	
31B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
31C	OIL CON. (A1PLUS)	.00 AD	.40 QT/AC	MP										
32A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	50	80	13	50	93	70	90	90	100	
32B	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	MP										
32C	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC	MP										
33A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	87	83	0	87	100	85	90	90	100	
33B	DUANCO 453	2.00 E	.10 LB/AC	MP										
33C	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC	MP										
34A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	100	90	7	100	97	85	97	90	97	
34B	HDF 33171	.75 EC	.20 LB/AC	MP										
34C	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC	MP										
35A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	83	80	0	83	97	80	100	85	100	
35B	BENTAZON	4.00 E	.75 LB/AC	MP										
35C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										

Table 17: Soybean Postemergence II—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	JULY 6									
					GRAS	SRLE	CRIN	GLFI	VELE	COLL	LOWE	RRPN	PESM	
36A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	67	67	0	67	100	90	97	57	100	
36B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
36C	BENTAZON	4.00 E	.75 LB/AC	SEQ										
36D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	SEQ										
37A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	100	0	0	100	23	0	0	0	0	
37B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
38A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	90	77	0	90	97	85	90	80	100	
38B	BENTAZON	4.00 E	1.00 LB/AC	MP										
38C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
39A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	73	90	17	73	97	90	97	97	90	
39B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP										
39C	X-77 (SURFACTANT)	.50 WA	.25 %	MP										
40A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	73	80	0	73	100	80	80	95	87	
40B	FLEX	2.00 E	.25 LB/AC	MP										
40C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
LSD(05):					25	11	10	21	15	17	27	20	17	

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 U.M.: 3.3%
 DATE TREATED: JUNE 6 MP & SEQ
 JUNE 13 +1W
 JUNE 23 LLP

Table 18: Soybean Postemergence II—Second Evaluation

TREATMENT	HERBICIDE	FORMULA	RATE	APPL. METHOD	-----AUGUST 11-----								
					GRASS	ERLE	CRIN	GLIEI	VELE	COLL	RRRW	PESM	
1A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	53	87	3	53	97	80	95	100	
1B	DONCO 453	2.00 E	.06 LB/AC	MP									
1C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
2A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	73	83	0	73	90	75	87	100	
2B	DONCO 453	2.00 E	.09 LB/AC	MP									
2C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
3A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	90	63	0	90	87	50	90	97	
3B	DONCO 453	2.00 E	.13 LB/AC	MP									
3C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
4A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	80	83	3	80	93	75	95	97	
4B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
4C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
5A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	90	90	0	90	93	85	87	100	
5B	SETHOXYDIM	1.53 EC	.30 LB/AC	MP									
5C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
6A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	50	80	0	53	93	75	90	97	
6B	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP									
6C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP									
7A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	40	83	7	43	93	85	90	90	
7B	FLUAZIFOP BUTYL	4.00 E	.38 LB/AC	MP									
7C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP									
8A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	90	90	0	90	90	85	97	97	
8B	TRITON AG 98 SURFACT	.00 WA	.13 %	MP									
8C	SETHOXYDIM	1.53 EC	.20 LB/AC	+1W									
8D	OIL CONCENTRATE	.00 AD	.50 QT/AC	+1W									
9A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	27	90	13	53	100	97	100	100	
9B	X-77 (SURFACTANT)	.50 WA	.13 %	MP									
10A	CGA-82725	2.00 EC	.12 LB/AC	MP	63	77	3	65	90	77	85	97	
10B	BENTAZON	4.00 E	.75 LB/AC	MP									
10C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
11A	CGA-82725	2.00 EC	.25 LB/AC	MP	90	67	5	90	80	70	70	100	
11B	BENTAZON	4.00 E	.75 LB/AC	MP									
11C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
12A	CGA-82725	2.00 EC	.38 LB/AC	MP	90	57	3	90	95	50	67	100	
12B	BENTAZON	4.00 E	.75 LB/AC	MP									
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									

Table 18: Soybean Postemergence II—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METHOD	-----AUGUST 11-----							
					GRAS	ARLE	CRIN	GIEI	VELE	QJLJ	RRER	PERA
13A	CGA-82725	2.00 EC	.12 LB/AC	MP	50	83	0	50	97	97	97	100
13B	BENTAZON	4.00 E	.75 LB/AC	MP								
13C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
13D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
14A	CGA-82725	2.00 EC	.25 LB/AC	MP	70	83	7	73	90	77	90	100
14B	BENTAZON	4.00 E	.75 LB/AC	MP								
14C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
14D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
15A	CGA-82725	2.00 EC	.38 LB/AC	MP	83	80	0	83	90	75	90	100
15B	BENTAZON	4.00 E	.75 LB/AC	MP								
15C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
15D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
16A	CGA-82725	2.00 EC	.13 LB/AC	MP	90	10	23	90	23	20	20	0
16B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
17A	CGA-82725	2.00 EC	.25 LB/AC	MP	90	20	23	90	37	30	40	0
17B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
18A	CGA-82725	2.00 EC	.38 LB/AC	MP	90	10	10	90	20	5	7	0
18B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
19A	BENTAZON	4.00 E	.75 LB/AC	MP	50	83	3	57	93	93	87	97
19B	DOWCO 453	2.00 E	.03 LB/AC	MP								
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
20A	BENTAZON	4.00 E	.75 LB/AC	MP	90	80	3	90	90	90	80	100
20B	DOWCO 453	2.00 E	.06 LB/AC	MP								
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
21A	BENTAZON	4.00 E	.75 LB/AC	MP	90	53	3	90	93	53	50	97
21B	DOWCO 453	2.00 E	.13 LB/AC	MP								
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
22A	BENTAZON	4.00 E	1.00 LB/AC	MP	90	97	7	90	100	97	97	100
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
22C	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP								
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP								
23A	BENTAZON	4.00 E	1.00 LB/AC	MP	80	100	0	87	100	100	100	100
23B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP								
23C	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP								
23D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP								

Table 18: Soybean Postemergence II—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUGUST 11-----							
					GRAS	IRLE	CRIN	RIE1	VELE	QJL1	R1K1	PESS1
24A	BENTAZON	4.00 E	1.00 LB/AC MP		67	83	3	67	97	95	85	97
24B	ACIFLUORFEN	2.00 L	.25 LB/AC MP									
24C	SETHOXYDIM	1.53 EC	.20 LB/AC MP									
24D	OIL CONCENTRATE	.00 AD	1.00 QT/AC MP									
25A	BENTAZON	4.00 E	1.00 LB/AC MP		63	77	0	63	97	95	57	97
25B	SETHOXYDIM	1.53 EC	.20 LB/AC MP									
25C	OIL CONCENTRATE	.00 AD	1.00 QT/AC MP									
26A	BENTAZON	4.00 E	1.00 LB/AC MP		3	97	53	3	100	100	100	100
26B	OIL CONCENTRATE	.00 AD	1.00 QT/AC MP									
27A	BENTAZON	4.00 E	.75 LB/AC MP		0	100	50	0	100	100	100	100
27B	ACIFLUORFEN	2.00 L	.12 LB/AC MP									
27C	OIL CONCENTRATE	.00 AD	1.00 QT/AC MP									
28A	BENTAZON	4.00 E	1.00 LB/AC MP		3	93	10	3	100	97	100	100
28B	ACIFLUORFEN	2.00 L	.25 LB/AC MP									
28C	OIL CONCENTRATE	.00 AD	1.00 QT/AC MP									
29A	ACIFLUORFEN 2	2.00 L	.50 LB/AC MP		67	67	3	67	90	50	90	85
29B	SETHOXYDIM	1.53 EC	.20 LB/AC MP									
29C	OIL CON. (A1PLUS)	.00 AD	.10 QT/AC MP									
30A	ACIFLUORFEN 2	2.00 L	.50 LB/AC MP		63	70	3	67	93	55	90	95
30B	SETHOXYDIM	1.53 EC	.20 LB/AC MP									
30C	OIL CON. (A1PLUS)	.00 AD	.20 QT/AC MP									
31A	ACIFLUORFEN 2	2.00 L	.50 LB/AC MP		70	77	0	70	90	55	90	97
31B	SETHOXYDIM	1.53 EC	.20 LB/AC MP									
31C	OIL CON. (A1PLUS)	.00 AD	.40 QT/AC MP									
32A	ACIFLUORFEN 2	2.00 L	.50 LB/AC MP		37	77	10	40	87	57	83	100
32B	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC MP									
32C	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC MP									
33A	ACIFLUORFEN 2	2.00 L	.50 LB/AC MP		83	75	0	83	97	70	83	100
33B	DUNCO 453	2.00 E	.10 LB/AC MP									
33C	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC MP									
34A	ACIFLUORFEN 2	2.00 L	.50 LB/AC MP		90	83	0	90	93	77	90	93
34B	HUE 33171	.75 EC	.20 LB/AC MP									
34C	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC MP									
35A	SETHOXYDIM	1.53 EC	.20 LB/AC MP		77	80	0	77	87	80	77	97
35B	BENTAZON	4.00 E	.75 LB/AC MP									
35C	OIL CONCENTRATE	.00 AD	1.00 QT/AC MP									

Table 18: Soybean Postemergence II—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUGUST 11-----							
					GRAS	BRLE	CRIM	GIEL	VELE	COLL	RBEW	PESM
36A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	67	67	3	67	97	77	57	100
36B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
36C	BENTAZON	4.00 E	.75 LB/AC	SEQ								
36D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	SEQ								
37A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	90	10	7	90	33	7	17	0
37B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
38A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	80	73	3	80	93	80	70	97
38B	BENTAZON	4.00 E	1.00 LB/AC	MP								
38C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
39A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	57	87	0	57	93	87	93	93
39B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
39C	X-77 (SURFACTANT)	.50 WA	.25 %	MP								
40A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	70	80	0	73	93	80	90	97
40B	FLEX	2.00 E	.25 LB/AC	MP								
40C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
LSD(05):					22	14	16	23	16	22	17	7

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.3%
 DATE TREATED: JUNE 6 MP & SEQ
 JUNE 13 +1W
 JUNE 23 LLP

Table 19: Soybean Postemergence III—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK AFTER APPLIED-----								
					GRAS	BLE	GRM	GIEL	YIELD	GRN	LINE	REGR	
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	87	0	87	83	77	95	100	
1B	NANPA/DN	3.00 E	1.50 LB/AC	MP									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	70	3	83	73	55	97	70	
2B	NANPA/DN	75.00 SG	1.50 LB/AC	MP									
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	90	0	83	83	93	97	100	
3B	NANPA/DN	3.00 E	3.00 LB/AC	MP									
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	87	0	83	80	77	95	97	
4B	NANPA/DN	75.00 SG	3.00 LB/AC	MP									
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	63	0	70	80	63	95	67	
5B	NANPA/DN	3.00 E	1.50 LB/AC	1TR									
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	67	3	77	80	57	90	57	
6B	NANPA/DN	75.00 SG	1.50 LB/AC	1TR									
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	63	67	17	63	93	57	95	75	
7B	NANPA/DN	3.00 E	1.50 LB/AC	3TR									
7C	2,4-DB	2.00 E	.03 LB/AC	3TR									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	73	57	13	73	77	20	95	95	
8B	NANPA/DN	3.00 E	3.00 LB/AC	3TR									
8C	2,4-DB	2.00 E	.03 LB/AC	3TR									
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	83	7	87	83	85	97	75	
9B	NANPA/DN	3.00 E	3.00 LB/AC	EP									
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	83	0	90	87	90	87	95	
10B	NANPA/DN	3.00 E	1.50 LB/AC	UN									
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	83	3	83	97	87	90	87	
11B	NANPA/DN	3.00 E	1.50 LB/AC	UN									
11C	2,4-DB	2.00 E	.03 LB/AC	UN									
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	80	37	87	87	80	95	77	
12B	NANPA/DN	3.00 E	1.50 LB/AC	1TR									
12C	2,4-DB	2.00 E	.03 LB/AC	1TR									
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	80	37	80	90	85	100	77	
13B	NANPA/DN	75.00 SG	1.50 LB/AC	1TR									
13C	2,4-DB	2.00 E	.03 LB/AC	1TR									
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	77	3	80	87	55	100	75	
14B	NANPA/DN	3.00 E	1.50 LB/AC	LP									
14C	ACTFLUORFEN	2.00 L	.12 LB/AC	LP									

Table 19: Soybean Postemergence III—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIEI	VELE	CLWJ	TIME	PESA
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	67	43	33	67	93	25	85	67
15B	CHLORAMBEN	75.00 DS	1.80 LB/AC	STR								
15C	NAPTALAM	2.00 EC	2.00 LB/AC	STR								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	90	100	87	95	90
16B	CHLORAMBEN	75.00 DS	2.70 LB/AC	200								
16C	NAPTALAM	2.00 EC	1.00 LB/AC	200								
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	60	13	87	97	20	90	85
17B	CHLORAMBEN	75.00 DS	2.70 LB/AC	400								
17C	NAPTALAM	2.00 EC	1.00 LB/AC	400								
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	57	27	77	93	50	85	60
18B	CHLORAMBEN	75.00 DS	2.70 LB/AC	600								
18C	NAPTALAM	2.00 EC	1.00 LB/AC	600								
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	57	3	80	90	47	90	90
19B	CHLORAMBEN	75.00 DS	2.70 LB/AC	STR								
19C	2,4-DB	2.00 E	.03 LB/AC	STR								
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	90	3	93	97	95	87	87
20B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
20C	2,4-DB	2.00 E	.03 LB/AC	MP								
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	77	10	87	97	87	80	67
21B	CHLORAMBEN	75.00 DS	1.80 LB/AC	MP								
21C	2,4-DB	2.00 E	.06 LB/AC	MP								
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	90	97	90	90	100
22B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
22C	BENTAZON	4.00 E	.75 LB/AC	MP								
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	90	0	93	97	87	100	97
23B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
23C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	70	0	90	97	87	97	77
24B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
24C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	63	10	87	93	57	100	70
25B	CHLORAMBEN	75.00 DS	1.80 LB/AC	400								
25C	NAPTALAM	2.00 EC	1.00 LB/AC	400								
25D	2,4-DB	2.00 E	.03 LB/AC	400								

Table 19: Soybean Postemergence III—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 4 WK AFTER APPLIED-----							
					GRAS	3RLE	CRIN	RIEL	VELE	CULL	TIME	PESS
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	90	7	87	97	80	95	90
26B	CHLORAMBEN	75.00 DS	2.25 LB/AC	400								
26C	NAPTALAM	2.00 EC	1.00 LB/AC	400								
26D	2,4-DB	2.00 E	.04 LB/AC	400								
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	60	53	83	100	57	90	70
27B	CHLORAMBEN	75.00 DS	1.80 LB/AC	600								
27C	NAPTALAM	2.00 EC	1.00 LB/AC	600								
27D	2,4-DB	2.00 E	.03 LB/AC	600								
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	67	37	83	97	67	85	77
28B	CHLORAMBEN	75.00 DS	2.25 LB/AC	600								
28C	NAPTALAM	2.00 EC	1.00 LB/AC	600								
28D	2,4-DB	2.00 E	.04 LB/AC	600								
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	63	27	77	77	83	90	50
29B	U31 1484	2.00 L	1.50 LB/AC	R1								
29C	X-77 (SURFACTANT)	.50 WA	.50 %	R1								
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	63	33	80	77	65	80	65
30B	U31 1484	2.00 L	1.50 LB/AC	R3								
30C	X-77 (SURFACTANT)	.50 WA	.50 %	R3								
31A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	0	90	87	87	100	95
31B	ACIFLUORFEN	2.00 L	.50 LB/AC	LP								
31C	TRITON AG 98 SURFACT	.00 WA	.13 %	LP								
32A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	63	0	83	90	53	97	60
32B	NAPTALAM	2.00 EC	1.00 LB/AC	LP								
32C	ACIFLUORFEN	2.00 L	.12 LB/AC	LP								
33A	BENTAZON	4.00 E	1.00 LB/AC	MP	0	97	0	0	97	100	97	100
33B	SOY OIL	.00 AD	1.00 QT/AC	MP								
34A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP	0	83	0	0	97	100	100	80
34B	SURFACTANT	.00 WA	.13 %	LP								
35A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	3	83	3	3	100	95	100	90
35B	X-77 (SURFACTANT)	.50 WA	.13 %	MP								
36A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	0	95	0	0	97	100	100	97
36B	OIL CON. (A1PLUS)	.00 AD	.50 QT/AC	MP								
37A	FLEX	2.00 E	.12 LB/AC	MP	0	90	0	0	100	100	100	85
37B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								

Table 19: Soybean Postemergence III—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 4 WK AFTER APPLIED-----							
					GRAS	BRLE	CRIN	BIEL	VELE	COLL	TIME	PESA
38A	FLEX	2.00 E	.25 LB/AC	MP	0	100	0	0	100	100	100	100
38B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
39A	FLEX	2.00 E	.30 LB/AC	MP	0	93	3	0	100	97	100	90
39B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
40	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
				LSD(05):	3	6	3	3	4	7	4	6

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K P: 6.5 U.M.: 3.3%
 DATE PLANTED: MAY 11 DATE TREATED: MAY 11 PRE
 VARIETY: WILLIAMS MAY 26 UN
 JUNE 2 EP & 200

JUNE 7 1TR & MP
 JUNE 10 LP
 JUNE 21 3TR & 40D
 JULY 1 5TR
 JULY 8 R1
 JULY 12 50D
 JULY 25 R3

Table 20: Soybean Postemergence III—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	ARLE	CRIN	GIEL	VELE	COLL	LINE	PESN
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	80	7	80	83	57	90	93
1B	NANPA/DN	3.00 E	1.50 LB/AC	MP								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	60	10	77	63	50	87	67
2B	NANPA/DN	75.00 SG	1.50 LB/AC	MP								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	73	87	3	73	77	90	97	100
3B	NANPA/DN	3.00 E	3.00 LB/AC	MP								
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	77	3	83	83	57	87	97
4B	NANPA/DN	75.00 SG	3.00 LB/AC	MP								
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	53	57	17	53	90	47	93	67
5B	NANPA/DN	3.00 E	1.50 LB/AC	1TR								
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	43	13	77	83	30	80	60
6B	NANPA/DN	75.00 SG	1.50 LB/AC	1TR								
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	57	60	0	57	87	50	93	60
7B	NANPA/DN	3.00 E	1.50 LB/AC	3TR								
7C	2,4-DH	2.00 E	.03 LB/AC	3TR								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	63	50	0	70	67	3	93	87
8B	NANPA/DN	3.00 E	3.00 LB/AC	3TR								
8C	2,4-DH	2.00 E	.03 LB/AC	3TR								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	80	13	77	83	90	93	73
9B	NANPA/DN	3.00 E	3.00 LB/AC	EP								
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	70	3	77	83	77	77	87
10B	NANPA/DN	3.00 E	1.50 LB/AC	UN								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	70	17	70	90	80	73	87
11B	NANPA/DN	3.00 E	1.50 LB/AC	UN								
11C	2,4-DH	2.00 E	.03 LB/AC	UN								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	70	17	83	83	57	80	77
12B	NANPA/DN	3.00 E	1.50 LB/AC	1TR								
12C	2,4-DH	2.00 E	.03 LB/AC	1TR								
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	60	77	20	60	93	73	93	57
13B	NANPA/DN	75.00 SG	1.50 LB/AC	1TR								
13C	2,4-DH	2.00 E	.03 LB/AC	1TR								
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	57	20	80	83	40	97	70
14B	NANPA/DN	3.00 E	1.50 LB/AC	LP								
14C	ACTIFLUORFEN	2.00 L	.12 LB/AC	LP								

Table 20: Soybean Postemergence III—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	ARLE	CRIN	BIET	VELE	COLL	LINE	PESD
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	67	40	0	67	93	5	85	60
15B	CHLORAMBEN	75.00 DS	1.80 LB/AC	STR								
15C	NAPTALAM	2.00 EC	2.00 LB/AC	STR								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	83	3	87	97	93	87	90
16B	CHLORAMBEN	75.00 DS	2.70 LB/AC	20D								
16C	NAPTALAM	2.00 EC	1.00 LB/AC	20D								
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	50	0	83	97	27	90	73
17B	CHLORAMBEN	75.00 DS	2.70 LB/AC	40D								
17C	NAPTALAM	2.00 EC	1.00 LB/AC	40D								
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	73	53	0	73	90	53	90	70
18B	CHLORAMBEN	75.00 DS	2.70 LB/AC	60D								
18C	NAPTALAM	2.00 EC	1.00 LB/AC	60D								
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	53	0	77	93	50	95	90
19B	CHLORAMBEN	75.00 DS	2.70 LB/AC	STR								
19C	2,4-D	2.00 E	.03 LB/AC	STR								
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	87	3	90	97	80	87	87
20B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
20C	2,4-D	2.00 E	.03 LB/AC	MP								
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	63	13	83	90	90	77	63
21B	CHLORAMBEN	75.00 DS	1.80 LB/AC	MP								
21C	2,4-D	2.00 E	.06 LB/AC	MP								
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	77	3	87	97	77	90	100
22B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
22C	BENTAZON	4.00 E	.75 LB/AC	MP								
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	87	0	90	93	85	97	97
23B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
23C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP								
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	60	17	87	90	70	95	77
24B	CHLORAMBEN	75.00 DS	2.70 LB/AC	MP								
24C	OIL CONCENTRATE	.00 AD	1.00 NT/AC	MP								
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	57	0	80	93	47	100	57
25B	CHLORAMBEN	75.00 DS	1.80 LB/AC	40D								
25C	NAPTALAM	2.00 EC	1.00 LB/AC	40D								
25D	2,4-D	2.00 E	.03 LB/AC	40D								

Table 20: Soybean Postemergence III—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIEI	VELE	COLL	LDL	RESN
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	77	0	80	93	75	90	87
26B	CHLORAMBEN	75.00 DS	2.25 LB/AC	400								
26C	NAPTALAM	2.00 EC	1.00 LB/AC	400								
26D	2,4-DB	2.00 E	.04 LB/AC	400								
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	50	0	77	100	40	95	60
27B	CHLORAMBEN	75.00 DS	1.80 LB/AC	600								
27C	NAPTALAM	2.00 EC	1.00 LB/AC	600								
27D	2,4-DB	2.00 E	.03 LB/AC	600								
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	60	0	90	97	55	85	75
28B	CHLORAMBEN	75.00 DS	2.25 LB/AC	600								
28C	NAPTALAM	2.00 EC	1.00 LB/AC	600								
28D	2,4-DB	2.00 E	.04 LB/AC	600								
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	57	70	0	57	80	80	95	50
29B	UBI 1484	2.00 L	1.50 LB/AC	R1								
29C	X-77 (SURFACTANT)	.50 WA	.50 %	R1								
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	63	60	0	63	77	65	87	45
30B	UBI 1484	2.00 L	1.50 LB/AC	R3								
30C	X-77 (SURFACTANT)	.50 WA	.50 %	R3								
31A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	90	3	87	87	85	97	95
31B	ACIFLUORFEN	2.00 L	.50 LB/AC	LP								
31C	TRITON AG 99 SURFACT	.00 WA	.13 %	LP								
32A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	50	13	77	90	37	97	55
32B	NAPTALAM	2.00 EC	1.00 LB/AC	LP								
32C	ACIFLUORFEN	2.00 L	.12 LB/AC	LP								
33A	BENTAZON	4.00 E	1.00 LB/AC	MP	10	93	30	10	97	100	97	100
33B	SOY OIL	.00 AD	1.00 QT/AC	MP								
34A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	LP	20	80	27	20	93	95	97	80
34B	SURFACTANT	.00 WA	.13 %	LP								
35A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	20	80	23	20	93	95	100	77
35B	X-77 (SURFACTANT)	.50 WA	.13 %	MP								
36A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	10	90	20	10	93	97	100	95
36B	OIL CON. (AIPUS)	.00 AD	.50 QT/AC	MP								
37A	FLEX	2.00 E	.12 LB/AC	MP	10	90	23	10	100	100	100	90
37B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								

Table 20: Soybean Postemergence III—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	ERLE	CRIN	GIFI	VELE	CLL	LINE	PEW
38A	FLEX	2.00 E	.25 LB/AC	MP	10	90	40	10	97	100	100	90
38B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
39A	FLEX	2.00 E	.30 LB/AC	MP	10	93	23	10	100	97	100	93
39B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP								
40	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
LSD(05):					5	6	3	4	3	5	4	7

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 11
 VARIETY: WILLIAMS
 SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 U.M.: 3.3%
 DATE TREATED: MAY 11 PRE
 MAY 26 UN
 JUNE 2 EP & 200

JJNE 7 1TR & MP
 JJNE 10 LP
 JJNE 21 3TR & 400
 JJLY 1 5TR
 JJLY 8 R1
 JJLY 12 500
 JJLY 25 R3

Table 21: Soybean Postemergence IV—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---EVALUATED 4 WK AFTER APPLIED---					
					GRIN	GRIN	GRIN	GRIN	GRIN	GRIN
1A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	3	83	27	67	93	30
1B	ACIFLUORFEN	2.00 L	.25 LB/AC	LP						
1C	TRITON AG 98 SURFACT	.00 WA	.13 %	LP						
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	87	47	67	100	87
2B	ACIFLUORFEN	2.00 L	.38 LB/AC	LP						
2C	TRITON AG 98 SURFACT	.00 WA	.13 %	LP						
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	63	100	93	57
3B	ACIFLUORFEN	2.00 L	.25 LB/AC	LP						
3C	XN 35 (SURFACTANT)	.00 WA	.50 %	LP						
4A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	33	90	93	100	90	87
4B	MEFLUIDIDE	2.00 S	.10 LB/AC	MP						
4C	X-77 (SURFACTANT)	.50 WA	.13 %	MP						
4D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D						
4E	X-77 (SURFACTANT)	.50 WA	.13 %	+3D						
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	33	90	57	67	80	50
5B	MEFLUIDIDE	2.00 S	.10 LB/AC	MP						
5C	X-77 (SURFACTANT)	.50 WA	.13 %	MP						
5D	ACIFLUORFEN	2.00 L	.25 LB/AC	+3D						
5E	X-77 (SURFACTANT)	.50 WA	.13 %	+3D						
6A	ALACHLOR	4.00 E	2.50 LB/AC	PPE	40	90	73	100	77	73
6B	MEFLUIDIDE	2.00 S	.20 LB/AC	MP						
6C	X-77 (SURFACTANT)	.50 WA	.13 %	MP						
6D	ACIFLUORFEN	2.00 L	.12 LB/AC	+3D						
6E	X-77 (SURFACTANT)	.50 WA	.13 %	+3D						
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	30	90	77	67	93	73
7B	MEFLUIDIDE	2.00 S	.10 LB/AC	LP						
7C	ACIFLUORFEN	2.00 L	.38 LB/AC	LP						
7D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP						
8A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	40	87	57	67	100	87
8B	MEFLUIDIDE	2.00 S	.20 LB/AC	LP						
8C	ACIFLUORFEN	2.00 L	.38 LB/AC	LP						
8D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP						
9A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	60	93	57	80	97	57
9B	MEFLUIDIDE	2.00 S	.20 LB/AC	LP						
9C	ACIFLUORFEN	2.00 L	.25 LB/AC	LP						
9D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP						

Table 21: Soybean Postemergence IV—First Evaluation (continued)

TRT TREATMENT	HERBICIDE	FORMULA	RATE	APPL METHOD	---EVALUATED 4 WK AFTER APPLIED---					
					GRN	GIEI	COLQ	VELE	JINE	QGR1
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	43	90	47	47	83	73
10B	MEFLUIDIDE	2.00 S	.10 LB/AC	LP						
10C	ACIFLUORFEN	2.00 L	.25 LB/AC	LP						
10D	XN 36 (SURFACTANT)	.00 WA	.50 %	LP						
11A	MEFLUIDIDE	2.00 S	.05 LB/AC	MP	7	57	43	100	90	90
11B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP						
11C	BENTAZON	4.00 E	.75 LB/AC	MP						
11D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
12A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	20	53	53	100	63	77
12B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP						
12C	BENTAZON	4.00 E	.75 LB/AC	MP						
12D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
13A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	60	100	20	100	97	90
13B	SETHOXYDIM	1.53 FC	.12 LB/AC	MP						
13C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
13D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D						
13E	X-77 (SURFACTANT)	.50 WA	.50 %	+3D						
14A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	53	100	43	97	77	97
14B	SETHOXYDIM	1.53 FC	.19 LB/AC	MP						
14C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
14D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D						
14E	X-77 (SURFACTANT)	.50 WA	.50 %	+3D						
15A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	30	43	37	100	100	85
15B	SETHOXYDIM	1.53 EC	.12 LB/AC	MP						
15C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP						
15D	XN 36 (SURFACTANT)	.00 WA	.50 %	MP						
16A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	43	87	53	100	73	57
16B	SETHOXYDIM	1.53 FC	.12 LB/AC	MP						
16C	ACIFLUORFEN	2.00 L	.25 LB/AC	MP						
16D	XV 36 (SURFACTANT)	.00 WA	.50 %	MP						
17A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	55	90	17	80	100	57
17B	SETHOXYDIM	1.53 EC	.19 LB/AC	MP						
17C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP						
17D	XV 36 (SURFACTANT)	.00 WA	.50 %	MP						
18A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	50	90	43	83	100	53
18B	SETHOXYDIM	1.53 FC	.19 LB/AC	MP						
18C	ACIFLUORFEN	2.00 L	.25 LB/AC	MP						
18D	XI 36 (SURFACTANT)	.00 WA	.50 %	MP						

Table 21: Soybean Postemergence IV—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED---					
					CRIV	GIEI	COLW	VELE	TIME	EQS1
19A	MBR 22359	2.00 E	2.00 LB/AC	PRE	3	70	70	100	53	77
19B	BENTAZON	4.00 E	.38 LB/AC	EP						
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
20A	MBR 22359	2.00 E	2.00 LB/AC	PRE	3	60	80	90	57	83
20B	BENTAZON	4.00 E	.50 LB/AC	EP						
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
21A	MBR 22359	2.00 E	2.00 LB/AC	PRE	10	50	80	93	50	90
21B	BENTAZON	4.00 E	.75 LB/AC	EP						
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
22A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	0	90	73	97	87	100
22B	BENTAZON	4.00 E	.75 LB/AC	MP						
22C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
23A	SETHOXYDIM	1.53 EC	.10 LB/AC	MP	7	97	30	73	97	57
23B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
23C	ACTIFLUORFEN	2.00 L	.38 LB/AC	+3D						
23D	X-77 (SURFACTANT)	.50 WA	.13 %	+3D						
24A	SETHOXYDIM	1.53 EC	.15 LB/AC	MP	3	97	50	53	100	87
24B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
24C	ACTIFLUORFEN	2.00 L	.38 LB/AC	+3D						
24D	X-77 (SURFACTANT)	.50 WA	.13 %	+3D						
25	MON 0139 4	5.00 E	.05 LB/AC	2TR	3	20	13	67	67	30
26	MON 0139 4	5.00 E	.05 LB/AC	2TR	20	33	0	67	67	33
27	MON 0139 4	5.00 E	.06 LB/AC	2TR	13	37	0	33	63	17
28A	MON 0139 4	5.00 E	.03 LB/AC	2TR	27	20	13	33	67	33
28B	ACTIFLUORFEN	2.00 L	.13 LB/AC	2TR						
28C	TRITON AG 95 SURFACT	.00 WA	.13 %	2TR						
29A	MON 0139 4	5.00 E	.05 LB/AC	2TR	20	57	33	100	100	17
29B	ACTIFLUORFEN	2.00 L	.13 LB/AC	2TR						
29C	TRITON AG 95 SURFACT	.00 WA	.13 %	2TR						
30A	MON 0139 4	5.00 E	.06 LB/AC	2TR	23	57	23	33	100	33
30B	ACTIFLUORFEN	2.00 L	.13 LB/AC	2TR						
30C	TRITON AG 95 SURFACT	.00 WA	.13 %	2TR						
				LSD(05):	12	14	40	46	49	51

Table 21: Soybean Postemergence IV—First Evaluation (continued)

LOCATION: SPINDLETOP FARM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
DATE PLANTED: MAY 11
VARIETY: WILLIAMS
SOIL TYPE: MAURY SILT LOAM
PH: 5.9 U.M.: 2.3%
DATE TREATED: MAY 11 PRE
MAY 26 EP
JUNE 5 MP
JUNE 9 +30
JUNE 10 2TR & LP

Table 22: Soybean Postemergence IV—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	ERLE	CRIN	VELE	COLB	JINE	COBB	BBRN
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	33	0	20	47	50	50	100
1B	ACIFLUORFEN	2.00 L	.25 LB/AC	LP								
1C	TRITON AG 98 SURFACT	.00 WA	.13 %	LP								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	50	0	20	53	87	80	100
2B	ACIFLUORFEN	2.00 L	.38 LB/AC	LP								
2C	TRITON AG 98 SURFACT	.00 WA	.13 %	LP								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	47	0	50	53	90	10	100
3B	ACIFLUORFEN	2.00 L	.25 LB/AC	LP								
3C	XN 35 (SURFACTANT)	.00 WA	.50 %	LP								
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	87	17	90	87	77	85	100
4B	MEFLUIDIDE	2.00 S	.10 LB/AC	MP								
4C	X-77 (SURFACTANT)	.50 WA	.13 %	MP								
4D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D								
4E	X-77 (SURFACTANT)	.50 WA	.13 %	+3D								
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	47	10	20	77	47	57	100
5B	MEFLUIDIDE	2.00 S	.10 LB/AC	MP								
5C	X-77 (SURFACTANT)	.50 WA	.13 %	MP								
5D	ACIFLUORFEN	2.00 L	.25 LB/AC	+3D								
5E	X-77 (SURFACTANT)	.50 WA	.13 %	+3D								
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	67	23	67	80	45	50	100
6B	MEFLUIDIDE	2.00 S	.20 LB/AC	MP								
6C	X-77 (SURFACTANT)	.50 WA	.13 %	MP								
6D	ACIFLUORFEN	2.00 L	.12 LB/AC	+3D								
6E	X-77 (SURFACTANT)	.50 WA	.13 %	+3D								
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	63	7	30	70	47	70	100
7B	MEFLUIDIDE	2.00 S	.10 LB/AC	LP								
7C	ACIFLUORFEN	2.00 L	.38 LB/AC	LP								
7D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	67	13	53	67	93	73	100
8B	MEFLUIDIDE	2.00 S	.20 LB/AC	LP								
8C	ACIFLUORFEN	2.00 L	.38 LB/AC	LP								
8D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	57	33	33	50	93	53	100
9B	MEFLUIDIDE	2.00 S	.20 LB/AC	LP								
9C	ACIFLUORFEN	2.00 L	.25 LB/AC	LP								
9D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP								

Table 22: Soybean Postemergence IV—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	GRLE	CRIN	VELE	COL2	LINE	COL4	BRN
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	50	20	17	53	75	67	100
10B	MEFLUIDIDE	2.00 S	.10 LB/AC	LP								
10C	ACIFLUORFEN	2.00 L	.25 LB/AC	LP								
10D	XN 35 (SURFACTANT)	.00 WA	.50 %	LP								
11A	MEFLUIDIDE	2.00 S	.05 LB/AC	MP	47	57	0	60	20	85	90	45
11B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP								
11C	BENTAZON	4.00 E	.75 LB/AC	MP								
11D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
12A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	47	63	7	80	67	50	85	25
12B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP								
12C	BENTAZON	4.00 E	.75 LB/AC	MP								
12D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
13A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	97	40	33	63	10	90	87	83
13B	SETHOXYDIM	1.53 EC	.12 LB/AC	MP								
13C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
13D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D								
13E	X-77 (SURFACTANT)	.50 WA	.50 %	+3D								
14A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	97	67	27	90	33	50	95	70
14B	SETHOXYDIM	1.53 EC	.19 LB/AC	MP								
14C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
14D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D								
14E	X-77 (SURFACTANT)	.50 WA	.50 %	+3D								
15A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	33	50	17	93	27	97	100	77
15B	SETHOXYDIM	1.53 EC	.12 LB/AC	MP								
15C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP								
15D	XN 35 (SURFACTANT)	.00 WA	.50 %	MP								
16A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	77	40	20	47	13	70	20	100
16B	SETHOXYDIM	1.53 EC	.12 LB/AC	MP								
16C	ACIFLUORFEN	2.00 L	.25 LB/AC	MP								
16D	XN 36 (SURFACTANT)	.00 WA	.50 %	MP								
17A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	90	27	13	33	0	55	45	87
17B	SETHOXYDIM	1.53 EC	.19 LB/AC	MP								
17C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP								
17D	XN 35 (SURFACTANT)	.00 WA	.50 %	MP								
18A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	87	50	27	87	20	100	87	95
18B	SETHOXYDIM	1.53 EC	.19 LB/AC	MP								
18C	ACIFLUORFEN	2.00 L	.25 LB/AC	MP								
18D	XN 35 (SURFACTANT)	.00 WA	.50 %	MP								

Table 22: Soybean Postemergence IV—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL Mtd	-----EVALUATED 8 WK AFTER APPLIED-----							
					GRAS	3RLE	CRIN	VELE	COLL	ILAE	COLB	RRM
19A	M8R 22359	2.00 E	2.00 LB/AC	PRE	50	67	3	67	87	0	80	100
19B	BENTAZON	4.00 E	.38 LB/AC	EP								
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
20A	M8R 22359	2.00 E	2.00 LB/AC	PRE	50	63	0	87	80	0	75	100
20B	BENTAZON	4.00 E	.50 LB/AC	EP								
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
21A	M8P 22359	2.00 E	2.00 LB/AC	PRE	47	77	3	63	87	17	95	100
21B	BENTAZON	4.00 E	.75 LB/AC	EP								
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
22A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	90	57	0	67	47	50	100	10
22B	BENTAZON	4.00 E	.75 LB/AC	MP								
22C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
23A	SETHOXYDIM	1.53 EC	.10 LB/AC	MP	93	30	3	47	17	97	70	100
23B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
23C	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D								
23D	X-77 (SURFACTANT)	.50 WA	.13 %	+3D								
24A	SETHOXYDIM	1.53 EC	.15 LB/AC	MP	97	33	3	17	33	97	87	100
24B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
24C	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D								
24D	X-77 (SURFACTANT)	.50 WA	.13 %	+3D								
25	M0V 0139 4	5.00 E	.03 LB/AC	2TR	47	27	7	33	0	33	67	67
26	M0V 0139 4	5.00 E	.05 LB/AC	2TR	53	13	10	0	0	100	57	100
27	M0N 0139 4	5.00 E	.06 LB/AC	2TR	57	20	7	0	0	97	57	85
28A	M0N 0139 4	5.00 E	.03 LB/AC	2TR	37	27	10	0	20	100	57	100
28B	ACIFLUORFEN	2.00 L	.13 LB/AC	2TR								
28C	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR								

Table 22: Soybean Postemergence IV—Second Evaluation (continued)

29A	MUN 0139 4	5.00 E	.05 LB/AC 2TR	70	13	3	0	13	100	3	67
29B	ACIFLUORFEN	2.00 L	.13 LB/AC 2TR								
29C	TRITON AG 95 SURFACT	.00 WA	.13 % 2TR								
30A	MUN 0139 4	5.00 E	.05 LB/AC 2TR	70	10	10	0	7	50	55	67
30B	ACIFLUORFEN	2.00 L	.13 LB/AC 2TR								
30C	TRITON AG 95 SURFACT	.00 WA	.13 % 2TR								
LSD(05):				21	29	12	60	43	49	55	59

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAUKY SILT LOAM

FERTILIZATION (LB/AC): 60 N,

60 P, 60 K

pH: 5.9 O.M.: 2.3%

DATE PLANTED: MAY 11

DATE TREATED: MAY 11 PRE

VARIETY: WILLIAMS

MAY 26 EP

JUNE 6 4P

JUNE 9 +30

JUNE 10 2TR & LP

Table 23: Soybean Preemergence and Postemergence—15" Row Spacing

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED ---						---EVALUATED 8 WK AFTER APPLIED ---					
					GRAS	IRLE	CRIN	GLFI	COLQ	RRPW	GRAS	IRLE	CRIN	GLFI	COLQ	RRPW
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	10	95	100	100	88	90	0	88	98	95
1B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE												
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	92	5	95	100	100	90	92	0	90	100	100
2B	DPX F6025	75.00 DF	.03 LB/AC	PRE												
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	8	95	100	95	88	90	0	88	98	92
3B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE												
3C	BENTAZON	4.00 E	.75 LB/AC	EP												
3D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	90	50	100	100	100	98	95	2	98	95	95
4B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE												
4C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
4D	TRITON AG 93 SURFACT	.00 WA	.13 %	EP												
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	10	92	98	100	92	85	0	92	92	100
5B	BENTAZON	4.00 E	.75 LB/AC	EP												
5C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	90	25	98	100	100	95	90	0	95	98	98
6B	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
6C	TRITON AG 93 SURFACT	.00 WA	.13 %	EP												
7A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	95	75	10	98	85	55	88	68	0	88	75	58
7B	BENTAZON	4.00 E	.75 LB/AC	EP												
7C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
8A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	100	78	2	100	92	70	100	72	5	100	85	62
8B	BENTAZON	4.00 E	1.00 LB/AC	MP												
8C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
9A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	92	90	28	95	90	95	90	85	0	90	82	85
9B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP												
9C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
10A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	100	75	15	100	72	100	100	65	25	100	65	100
10B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP												
10C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP												
11A	FLUAZIFOP BUTYL	4.00 F	.20 LB/AC	EP	82	70	8	82	78	75	72	62	0	72	58	72
11B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
11C	BENTAZON	4.00 F	.75 LB/AC	EP												
12A	FLUAZIFOP BUTYL	4.00 F	.30 LB/AC	MP	100	65	18	100	80	50	100	50	50	100	65	45
12B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
12C	BENTAZON	4.00 F	1.00 LB/AC	MP												

Table 23: Soybean Preemergence and Postemergence—15" Row Spacing (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED ---						---EVALUATED 8 WK AFTER APPLIED ---					
					GRS	HRLE	GRIN	GIEL	COLL	RRPM	GRS2	HRLE2	GRIN2	GIEL2	COLL2	RRPM2
13A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	92	88	40	92	92	90	80	75	5	80	82	72
13B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP												
13C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
14A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	98	80	30	98	75	100	98	70	20	98	70	100
14B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP												
14C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP												
15A	DUWCO 453	2.00 E	.06 LB/AC	EP	98	72	2	98	80	70	92	68	0	92	78	68
15B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
15C	BENTAZON	4.00 E	.75 LB/AC	EP												
16A	DUWCO 453	2.00 E	.13 LB/AC	MP	100	82	8	100	90	95	100	75	0	100	85	80
16B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
16C	BENTAZON	4.00 E	1.00 LB/AC	MP												
17A	DUWCO 453	2.00 E	.06 LB/AC	EP	90	90	35	90	92	92	80	82	8	80	85	80
17B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP												
17C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
18A	DUWCO 453	2.00 E	.13 LB/AC	MP	98	82	22	98	88	100	100	78	8	100	78	100
18B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP												
18C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP												
19A	DPX F6025	75.00 DF	.02 LB/AC	1TR	100	28	58	100	22	100	100	28	80	100	25	100
19B	Y 5202	.00	.06	1TR												
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR												
20A	DPX F6025	75.00 DF	.02 LB/AC	1TR	90	32	62	90	25	100	90	32	80	92	32	100
20B	Y 5202	.00	.03	1TR												
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR												
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	25	95	92	95	92	85	2	92	85	100
21B	PPS-844	2.00 E	.15 LB/AC	EP												
22A	PPS-844	2.00 E	.20 LB/AC	EP	90	80	35	90	82	100	80	70	5	80	68	98
22B	SETHOXYDIM	1.53 EC	.20 LB/AC	EP												
22C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
LSD(65):					8	12	16	8	14	12	10	14	15	10	13	12

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K P1: 5.0 U.M.: 3.0%
 DATE PLANTED: MAY 27 DATE TREATED: MAY 27 PRE
 VARIETY: WILLIAMS JUNE 9 EP
 JUNE 21 1TR & MP

68

Table 24: Soybean Preemergence and Postemergence—30" Row Spacing

TRT Y2	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED --						---EVALUATED 8 WK AFTER APPLIED --					
					GRAS	SRLE	CRIN	GIEI	COLJ	RR24	GRAS	SRLE	CRIN	GIEI	COLJ	RR24
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	90	2	100	100	100	95	92	0	95	98	100
1B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE												
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	2	95	100	100	90	90	0	90	100	100
2B	DPX F6025	75.00 DF	.03 LB/AC	PRE												
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	12	95	100	100	95	92	0	95	100	100
3B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE												
3C	BENTAZON	4.00 E	.75 LB/AC	EP												
3D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	92	20	100	100	100	95	95	0	95	100	100
4B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE												
4C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
4D	TRITON AG 98 SURFACT	.00 WA	.13 %	EP												
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	8	95	92	100	95	90	0	95	95	95
5B	BENTAZON	4.00 E	.75 LB/AC	EP												
5C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	90	12	95	100	100	92	90	0	95	95	100
6B	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
6C	TRITON AG 98 SURFACT	.00 WA	.13 %	EP												
7A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	95	82	2	95	88	75	80	72	0	80	80	62
7B	BENTAZON	4.00 E	.75 LB/AC	EP												
7C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
8A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	95	88	0	95	95	90	95	82	0	95	90	75
8B	BENTAZON	4.00 E	1.00 LB/AC	MP												
8C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
9A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	92	90	20	92	90	90	70	82	0	80	85	82
9B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP												
9C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
10A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	100	72	15	100	72	100	95	55	20	95	55	100
10B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP												
10C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP												
11A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	85	72	0	85	80	72	55	62	0	65	70	65
11B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
11C	BENTAZON	4.00 E	.75 LB/AC	EP												
12A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	95	55	5	95	88	95	92	70	8	95	75	95
12B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
12C	BENTAZON	4.00 E	1.00 LB/AC	MP												

Table 24: Soybean Preemergence and Postemergence—30" Row Spacing (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED ---						---EVALUATED 8 WK AFTER APPLIED ---					
					GRAS	ERLE	CHLN	GIEI	COLL	RYE	GRAS	ERLE	CHLN	GIEI	COLL	RYE
13A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	90	90	22	90	92	90	58	82	0	68	85	85
13B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP												
13C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
14A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	100	80	10	100	82	100	98	70	10	100	68	100
14B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP												
14C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP												
15A	DOWND 453	2.00 E	.06 LB/AC	EP	95	85	2	92	88	85	90	70	0	90	75	82
15B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
15C	BENTAZON	4.00 E	.75 LB/AC	EP												
16A	DOWND 453	2.00 E	.13 LB/AC	MP	100	78	0	100	90	90	98	75	8	100	72	78
16B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
16C	BENTAZON	4.00 E	1.00 LB/AC	MP												
17A	DOWND 453	2.00 E	.06 LB/AC	EP	90	90	22	90	92	92	82	75	0	82	85	88
17B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP												
17C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP												
18A	DOWND 453	2.00 E	.13 LB/AC	MP	100	85	12	100	80	100	100	68	18	100	68	98
18B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP												
18C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP												
19A	DPX F6025	75.00 DF	.02 LB/AC	1TR	100	28	52	100	25	100	100	18	88	100	18	100
19B	Y 5202	.00	.06	1TR												
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR												
20A	DPX F6025	75.00 DF	.02 LB/AC	1TR	88	30	45	98	22	100	85	22	90	92	22	100
20B	Y 5202	.00	.03	1TR												
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	1TR												
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	12	95	92	100	90	90	0	90	90	100
21B	PPG-844	2.00 E	.15 LB/AC	EP												
22A	PPG-844	2.00 E	.20 LB/AC	EP	90	75	25	90	78	100	50	60	2	70	50	100
22B	SETHOXYDIN	1.53 EC	.20 LB/AC	EP												
22C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP												
LSD(05):					NS	10	11	6	11	14	7	15	11	8	16	14

91

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K P1: 5.0 O.M.: 3.0%
 DATE PLANTED: MAY 27 DATE TREATED: MAY 27 PRE
 VARIETY: WILLIAMS JUNE 9 EP
 JUNE 21 1TR & MP

Table 25: Soybean Preemergence and Postemergence Supplement—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 -----			
					GRN	GR1	GRW	LRG
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	98	10
1B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	92	98	40
2B	LINURON	4.00 L	1.00 LB/AC	PRE				
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	92	95	70
3B	DPX F6025	75.00 DF	.01 LB/AC	PRE				
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	88	95	80
4B	DPX F6025	75.00 DF	.02 LB/AC	PRE				
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	90	98	88
5B	DPX F6025	75.00 DF	.03 LB/AC	PRE				
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	98	55
6B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
6C	BENTAZON	4.00 E	.75 LB/AC	EP				
6D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	10	90	100	70
7B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
7C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
7D	TRITON AG 98 SURFACT	.00 WA	.13 %	EP				
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	90	98	62
8B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
8C	NANPA/ON	3.00 E	1.50 LB/AC	EP				
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	92	100	82
9B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
9C	NAPFALAM	2.00 EC	1.00 LB/AC	LP				
9D	2,4-DB	2.00 E	.06 LB/AC	LP				
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	10	90	100	92
10B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
10C	BENTAZON	4.00 E	1.00 LB/AC	LP				
10D	2,4-DB	2.00 E	.03 LB/AC	LP				
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	29	95	100	93
11B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
11C	ACIFLUORFEN	2.00 L	.50 LB/AC	LP				
11D	2,4-DB	2.00 E	.03 LB/AC	LP				
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	23	100	98	95
12B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
12C	NANPA/ON	3.00 E	2.25 LB/AC	LP				
12D	2,4-DB	2.00 E	.03 LB/AC	LP				

Table 25: Soybean Preemergence and Postemergence Supplement—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 -----			
					ERLY	GIEL	CULW	ILMG
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	92	100	32
13B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
13C	GLYPHOSATE	.33 WA	33.00 %	SAE				
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	92	98	58
14B	LINURON	4.00 L	1.00 LB/AC	PRE				
14C	BENTAZON	4.00 E	.75 LB/AC	EP				
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	90	95	68
15B	LINURON	4.00 L	1.00 LB/AC	PRE				
15C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
15D	TRITON AG 93 SURFACT	.00 WA	.13 %	EP				
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	95	100	60
16B	LINURON	4.00 L	1.00 LB/AC	PRE				
16C	NANPAZDN	3.00 E	1.50 LB/AC	EP				
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	100	30
17B	LINURON	4.00 L	1.00 LB/AC	PRE				
17C	GLYPHOSATE	.33 WA	33.00 %	SAE				
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	95	52
18B	BENTAZON	4.00 E	.75 LB/AC	EP				
18C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	98	98	80
19B	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
19C	TRITON AG 93 SURFACT	.00 WA	.13 %	EP				
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	15	90	88	70
20B	NANPAZDN	3.00 E	1.50 LB/AC	EP				
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	100	38
21B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
22A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	100	55
22B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
22C	BENTAZON	4.00 E	.75 LB/AC	EP				
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
23A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	5	98	85	78
23B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
23C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
23D	TRITON AG 93 SURFACT	.00 WA	.13 %	EP				

Table 25: Soybean Preemergence and Postemergence Supplement—First Evaluation (continued)

TRT	HERBICIDE	FORMULA	RATE	APPL METHOD	-----JUNE 27-----			
					GRN	GLF	CVLQ	ILMG
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	10	100	100	62
24B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
24C	NANPA/DN	3.00 E	1.50 LB/AC	EP				
25A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	100	28
25B	LINURON	4.00 L	1.00 LB/AC	PRE				
26A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	5	100	100	70
26B	LINURON	4.00 L	1.00 LB/AC	PRE				
26C	BENTAZON	4.00 E	.75 LB/AC	EP				
26D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
27A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	10	100	100	85
27B	LINURON	4.00 L	1.00 LB/AC	PRE				
27C	ACTIFLUORFEN	2.00 L	.38 LB/AC	EP				
27D	TRITON AG 95 SURFACT	.00 WA	.13 %	EP				
28A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	20	100	100	70
28B	LINURON	4.00 L	1.00 LB/AC	PRE				
28C	NANPA/DN	3.00 E	1.50 LB/AC	EP				
29A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	5	98	98	60
29B	BENTAZON	4.00 E	.75 LB/AC	EP				
29C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
30A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	5	100	98	70
30B	ACTIFLUORFEN	2.00 L	.38 LB/AC	EP				
30C	TRITON AG 95 SURFACT	.00 WA	.13 %	EP				
31A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	15	100	70	62
31B	NANPA/DN	3.00 E	1.50 LB/AC	EP				
32A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	0	98	92	78
32B	BENTAZON	4.00 E	.75 LB/AC	EP				
32C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
33A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	0	82	75	68
33B	BENTAZON	4.00 E	1.00 LB/AC	MP				
33C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
34A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	20	100	95	72
34B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP				
34C	ACTIFLUORFEN	2.00 L	.58 LB/AC	EP				
35A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	15	100	100	92
35B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
35C	ACTIFLUORFEN	2.00 L	.50 LB/AC	MP				

Table 25: Soybean Preemergence and Postemergence Supplement—First Evaluation (continued)

TRT ID#	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----JUNE 27-----			
					GRN	GRN	GRN	ILMG
36A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	0	95	80	60
36B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
36C	BENTAZON	4.00 E	.75 LB/AC	EP				
37A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	0	85	80	65
37B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
37C	BENTAZON	4.00 E	1.00 LB/AC	MP				
38A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	22	98	98	72
38B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP				
38C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
39A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	15	98	98	80
39B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
39C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP				
40A	DUACD 453	2.00 E	.06 LB/AC	EP	0	98	72	82
40B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
40C	BENTAZON	4.00 E	.75 LB/AC	EP				
41A	DUACD 453	2.00 E	.13 LB/AC	MP	0	90	72	70
41B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
41C	BENTAZON	4.00 E	1.00 LB/AC	MP				
42A	DUACD 453	2.00 E	.06 LB/AC	EP	20	100	92	80
42B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP				
42C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
43A	DUACD 453	2.00 E	.13 LB/AC	MP	15	100	95	90
43B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
43C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP				
44A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	0	90	22	58
44B	X-77 (SURFACTANT)	.50 WA	.25 %	EP				
44C	BENTAZON	4.00 E	.75 LB/AC	EP				
44D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				

Table 25: Soybean Preemergence and Postemergence Supplement—First Evaluation (continued)

TRT	HERBICIDE	FORMULA	RATE	APPL	-----JUNE 27 -----			
					GRN	GRH	COLR	ILMG
452	ISOPROPAZOL							
454	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	0	95	92	30
453	X-77 (SURFACTANT)	.50 NA	.25 %	EP				
450	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
45A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	0	90	100	30
453	X-77 (SURFACTANT)	.50 NA	.25 %	EP				
460	LINURON	4.00 L	1.00 LB/AC	PRE				
47	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0
48	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100
			LSD(05):		5	8	12	23

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K P1: 5.6 O.M.: 5.32
 DATE PLANTED: MAY 12 DATE TREATED: MAY 12 PRE
 VARIETY: WILLIAMS JUNE 6 EP
 JUNE 10 MP
 JUNE 21 LP

Table 26: Soybean Preemergence and Postemergence Supplement— Second Evaluation

TPT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----AUG 17-----			
					GRN	GLC	COLN	LLMG
1A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	95	95	15
1B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
2A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	85	90	20
2B	LINURON	4.00 L	1.00 LB/AC PRE					
3A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	85	92	60
3B	DPX F6025	75.00 DF	.01 LB/AC PRE					
4A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	78	95	60
4B	DPX F6025	75.00 DF	.02 LB/AC PRE					
5A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	82	95	80
5B	DPX F6025	75.00 DF	.03 LB/AC PRE					
6A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	68	90	28
6B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
6C	BENTAZON	4.00 E	.75 LB/AC EP					
6D	OIL CONCENTRATE	.00 AD	1.00 QT/AC EP					
7A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	75	88	45
7B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
7C	ACIFLUORFEN	2.00 L	.38 LB/AC EP					
7D	TRITON AG 95 SURFACT	.00 WA	.13 % EP					
8A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	50	90	35
8B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
9C	NANPA/00	3.00 E	1.50 LB/AC EP					
9A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	82	90	70
9B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
9C	NAPTALAM	2.00 EC	1.00 LB/AC LP					
9D	2,4-D	2.00 E	.06 LB/AC LP					
10A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	75	90	60
10B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
10C	BENTAZON	4.00 E	1.00 LB/AC LP					
10D	2,4-D	2.00 E	.03 LB/AC LP					
11A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	92	95	82
11B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
11C	ACIFLUORFEN	2.00 L	.50 LB/AC LP					
11D	2,4-D	2.00 E	.03 LB/AC LP					
12A	ALACHLOR	4.00 E	2.50 LB/AC PRE		0	90	92	60
12B	METRIBUZIN	75.00 DF	.50 LB/AC PRE					
12C	NANPA/00	3.00 E	2.25 LB/AC LP					
12D	2,4-D	2.00 E	.03 LB/AC LP					

**Table 26: Soybean Preemergence and Postemergence Supplement—
Second Evaluation (continued)**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUG 17-----			
					GRN	GEI	COLU	ILMG
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	90	28
13B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
13C	GLYPHOSATE	.33 WA	33.00 %	SAE				
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	90	40
14B	LINURON	4.00 L	1.00 LB/AC	PRE				
14C	BENTAZON	4.00 E	.75 LB/AC	EP				
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	90	52
15B	LINURON	4.00 L	1.00 LB/AC	PRE				
15C	ACIFLUORFEN	2.00 L	.36 LB/AC	EP				
15D	TRITON AG 95 SURFACT	.00 WA	.13 %	EP				
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	92	22
16B	LINURON	4.00 L	1.00 LB/AC	PRE				
16C	NANPA/DN	3.00 E	1.50 LB/AC	EP				
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	90	20
17B	LINURON	4.00 L	1.00 LB/AC	PRE				
17C	GLYPHOSATE	.33 WA	33.00 %	SAE				
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	85	40
18B	BENTAZON	4.00 E	.75 LB/AC	EP				
18C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	85	62
19B	ACIFLUORFEN	2.00 L	.36 LB/AC	EP				
19C	TRITON AG 95 SURFACT	.00 WA	.13 %	EP				
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	78	52
20B	NANPA/DN	3.00 E	1.50 LB/AC	EP				
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	100	38
21B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
22A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	98	98	32
22B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
22C	BENTAZON	4.00 E	.75 LB/AC	EP				
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
23A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	92	62
23B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
23C	ACIFLUORFEN	2.00 L	.36 LB/AC	EP				
23D	TRITON AG 95 SURFACT	.00 WA	.13 %	EP				

**Table 26: Soybean Preemergence and Postemergence Supplement—
Second Evaluation (continued)**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUG 17 -----			
					CR1Y	GR1E1	COLQ	ILMG
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	98	98	28
24B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
24C	NANPA/DN	3.00 E	1.50 LB/AC	EP				
25A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	95	8
25B	LINURON	4.00 L	1.00 LB/AC	PRE				
26A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	98	95	60
26B	LINURON	4.00 L	1.00 LB/AC	PRE				
26C	BENTAZON	4.00 E	.75 LB/AC	EP				
26D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
27A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	100	60
27B	LINURON	4.00 L	1.00 LB/AC	PRE				
27C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
27D	TRITON AG 98 SURFACT	.00 WA	.13 %	EP				
28A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	100	95	50
28B	LINURON	4.00 L	1.00 LB/AC	PRE				
28C	NANPA/DN	3.00 E	1.50 LB/AC	EP				
29A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	95	82	62
29B	BENTAZON	4.00 E	.75 LB/AC	EP				
29C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
30A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	98	85	68
30B	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
30C	TRITON AG 98 SURFACT	.00 WA	.13 %	EP				
31A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	98	48	60
31B	NANPA/DN	3.00 E	1.50 LB/AC	EP				
32A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	0	95	88	65
32B	BENTAZON	4.00 E	.75 LB/AC	EP				
32C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
33A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	0	92	58	55
33B	BENTAZON	4.00 E	1.00 LB/AC	MP				
33C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
34A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	0	90	75	38
34B	OIL CONCENTRATE	.00 AD	.50 QT/AC	EP				
34C	ACIFLUORFEN	2.00 L	.38 LB/AC	EP				
35A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	0	92	82	50
35B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
35C	ACIFLUORFEN	2.00 L	.50 LB/AC	MP				

**Table 26: Soybean Preemergence and Postemergence Supplement—
Second Evaluation (continued)**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	-----AUG 17 -----			
					CRIV	GIEI	COLD	ILMG
47	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0
48	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100
LSD(05):					NS	13	16	25
LOCATION: SPINOLETOP FARM				SOIL TYPE: MAURY SILT LOAM				
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K				PH: 6.6 U.M.: 3.3%				
DATE PLANTED: MAY 12				DATE TREATED: MAY 12 PRE				
VARIETY: WILLIAMS				JUNE 6 EP				
JUNE 21 LP				JUNE 10 MP				

Table 27: Soybean Preemergence Tolerance

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/01 CRIN	6/08 CRIN	6/15 CRIN	-----6/22 CRIN	----- ILMG	----- CQLI	---7/20 CRIN	--- CQLI
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	8	12	18	96	100	0	100
1B	METRIBUZIN	50.00 WP	.50 LB/AC	PRE								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	2	5	90	100	0	100
2B	METRIBUZIN	50.00 WP	1.00 LB/AC	PRE								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	18	20	35	100	100	0	100
3B	METRIBUZIN	50.00 WP	2.00 LB/AC	PRE								
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	0	8	92	100	0	100
4B	METRIBUZIN	50.00 WP	.50 LB/AC	PRE								
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	0	0	95	100	0	88
5B	METRIBUZIN	50.00 WP	1.00 LB/AC	PRE								
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	15	22	38	95	100	0	100
6B	METRIBUZIN	50.00 WP	2.00 LB/AC	PRE								
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	2	2	98	100	0	100
7B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	0	0	92	100	0	100
8B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE								
8C	ASSIST	.00 AD	1.00 QT/AC	PRE								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	0	0	92	100	0	100
9B	METRIBUZIN 2	75.00 DF	.75 LB/AC	PRE								
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	0	2	88	100	0	100
10B	METRIBUZIN 2	75.00 DF	.75 LB/AC	PRE								
10C	ASSIST	.00 AD	1.00 QT/AC	PRE								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	2	2	92	100	0	100
11B	METRIBUZIN 2	75.00 DF	1.00 LB/AC	PRE								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	0	0	92	100	0	100
12B	METRIBUZIN 2	75.00 DF	1.00 LB/AC	PRE								
12C	ASSIST	.00 AD	1.00 QT/AC	PRE								
13	ASSIST	.00 AD	1.00 QT/AC	PRE	0	0	0	0	0	0	0	70
14	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	0	100	100	0	100
				LSD(05):	NS	7	11	12	10	**	NS	12

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 26
 VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
 PH: 6.1 U.M.: 3.1%
 DATE TREATED: MAY 26 PRE

Table 28: Soybean—Eastern Black Nightshade—Preemergence and Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AAA-----			-----988--	
					CRIN	CULR	BLNS	CRIN	BLNS
1	ALACHLOR	4.00 E	3.00 LB/AC	PRE	0	73	93	3	73
2	ALACHLOR	4.00 E	4.00 LB/AC	PRE	0	80	90	3	83
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	30	90	93	7	87
3B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP					
3C	TRITON AG 99 SURFACT	.00 WA	.13 %	MP					
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	77	100	23	97
4B	NANPA/DN	3.00 E	1.50 LB/AC	MP					
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	93	93	7	93
5B	LINURON	4.00 L	1.00 LB/AC	PRE					
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	3	90	93	0	90
6B	LINURON	4.00 L	1.00 LB/AC	PRE					
6C	NANPA/DN	3.00 E	3.00 LB/AC	PRE					
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	30	97	97	13	87
7B	CHLORAMBEN	75.00 DS	2.25 LB/AC	PRE					
7C	ACIFLUORFEN	2.00 L	.50 LB/AC	UN					
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	13	100	100	13	90
8B	CHLORAMBEN	75.00 DS	2.25 LB/AC	PRE					
8C	ACIFLUORFEN	2.00 L	.50 LB/AC	1TR					
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	23	93	97	7	83
9B	CHLORAMBEN	75.00 DS	2.25 LB/AC	PRE					
9C	ACIFLUORFEN	2.00 L	.50 LB/AC	2TR					
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	17	87	90	10	97
10B	CHLORAMBEN	75.00 DS	2.25 LB/AC	PRE					
10C	ACIFLUORFEN	2.00 L	.50 LB/AC	4TR					
11	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	3	67	87	10	87
12	METOLACHLOR	8.00 E	4.00 LB/AC	PRE	10	77	93	10	90
13A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	10	100	100	7	83
13B	LINURON	4.00 L	1.00 LB/AC	PRE					
13C	NANPA/DN	3.00 E	3.00 LB/AC	PRE					
14A	CHLORAMBEN	75.00 DS	1.80 LB/AC	PRE	0	97	97	3	90
14B	ALACHLOR	4.00 E	2.00 LB/AC	PRE					
14C	LINURON	4.00 L	1.00 LB/AC	PRE					

Table 28: Soybean—Eastern Black Nightshade—Preemergence and Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AAA-----			-----BBB-----	
					CRIN	COLQ	BLNS	CRIN	BLNS
15A	CHLORAMBEN	75.00 DS	2.70 LB/AC	PRE	10	97	93	3	87
15B	ALACHLOR	4.00 E	3.00 LB/AC	PRE					
15C	LINURON	4.00 L	1.00 LB/AC	PRE					
16A	CHLORAMBEN	75.00 DS	1.80 LB/AC	PRE	0	93	90	0	83
16B	METOLACHLOR	8.00 E	2.00 LB/AC	PRE					
16C	LINURON	4.00 L	1.00 LB/AC	PRE					
17A	CHLORAMBEN	75.00 DS	2.70 LB/AC	PRE	7	100	97	3	90
17B	METOLACHLOR	8.00 E	3.00 LB/AC	PRE					
17C	LINURON	4.00 L	1.00 LB/AC	PRE					
18	FMC 57020	4.00 EC	.75 LB/AC	PRE	0	97	53	3	40
19	FMC 57020	4.00 EC	1.00 LB/AC	PRE	0	100	33	0	23
20	FMC 57020	4.00 EC	1.25 LB/AC	PRE	0	97	50	0	53
21	FOE 2696	2.00 EC	.45 LB/AC	PRE	5	10	30	13	53
22	FOE 2696	2.00 EC	.90 LB/AC	PRE	7	43	70	7	33
23	FOE 2696	2.00 EC	1.34 LB/AC	PRE	10	47	83	10	40
24	SC 1056	2.40 F	.06 LB/AC	PRE	30	93	67	23	43
25	SC 1056	2.40 F	.12 LB/AC	PRE	67	97	90	50	53
26	SC 1056	2.40 F	.24 LB/AC	PRE	90	100	100	77	93
27	LINURON	4.00 L	1.00 LB/AC	PRE	7	57	57	10	87
28A	AC 214	75.00 DG	.13 LB/AC	MP	20	33	73	20	63
28B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP					
29A	AC 214	75.00 DG	.25 LB/AC	MP	23	67	70	27	63
29B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP					
30	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	0	100

LSD(05): 3 7 8 12 28

LOCATION: SPINDLETOP

SOIL TYPE: MAURY SILT LOAM

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

pH: 6.4 U.M.: 2.4%

DATE PLANTED: MAY 12

DATE TREATED: MAY 12 PRE

VARIETY: WILLIAMS

JUNE 2 UN

JUNE 7 1TR

JUNE 9 2TR

JUNE 21 MP

JUNE 23 4TR

'AAA'-EVALUATED 4 WK AFTER APPLIED

'BBB'-EVALUATED 8 WK AFTER APPLIED

Table 29: Soybean—Eastern Black Nightshade—Preplant Incorporated (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----6/24		---7/19 --		
					CRIM	COLQ	BLNS	CRIM	BLNS
16	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	13	97	47	17	0
17	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	17	97	50	13	40
18A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	13	100	93	17	83
18B	LINURON	4.00 L	1.00 LB/AC	PRE					
19A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	20	100	97	10	83
19B	ALACHLOR	4.00 E	2.00 LB/AC	PRE					
20A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	20	100	87	17	70
20B	ALACHLOR	4.00 E	2.50 LB/AC	PPI					
21A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	30	100	90	20	90
21B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE					
22A	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	7	100	57	13	43
22B	METRIBUZIN 2	4.00 L	.50 LB/AC	PRE					
23A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	3	93	53	10	50
23B	METRIBUZIN 2	4.00 L	.50 LB/AC	PRE					
24	FOE 2696	2.00 EC	.45 LB/AC	PPI	10	3	3	27	10
25	FOE 2696	2.00 EC	.90 LB/AC	PPI	3	23	23	20	20
26	FOE 2696	2.00 EC	1.34 LB/AC	PPI	7	20	20	27	33
27	AC 214	75.00 DG	.13 LB/AC	PPI	7	97	90	10	83
28	AC 214	75.00 DG	.25 LB/AC	PPI	10	100	100	13	93
29	AC 214	75.00 DG	.38 LB/AC	PPI	17	100	100	23	93
30	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	0	100
LS0(05):					9	11	16	NS	23

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 12
 VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
 PH: 6.4 O.M.: 2.4%
 DATE TREATED: MAY 12 PPI & PRE
 JUNE 21 MP
 JULY 1 LP

Table 30: Soybean—Velvetleaf—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 17-----						
					GRAS	BRLE	CRIN	GIFI	VELE	COLL	YIELD
1	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	68	0	92	45	55	52
2	ALACHLOR	4.00 E	4.00 LB/AC	PRE	98	80	2	98	60	85	60
3	ALACHLOR	4.00 E	2.00 LB/AC	PPI	70	28	0	70	60	45	35
4	ALACHLOR	4.00 E	4.00 LB/AC	PPI	80	60	2	80	75	58	45
5A	ALACHLOR	4.00 E	4.00 LB/AC	PPI	98	72	8	98	68	58	52
5B	ALACHLOR	4.00 E	2.00 LB/AC	+2W							
6	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	98	52	2	98	48	50	52
7	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	92	68	0	92	55	92	25
8A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	98	60	8	98	52	92	45
8B	ALACHLOR	4.00 E	2.00 LB/AC	+2W							
9A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	98	75	25	98	52	98	55
9B	ALACHLOR	4.00 E	4.00 LB/AC	+2W							
10A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	80	8	95	68	92	50
10B	ALACHLOR	4.00 E	2.00 LB/AC	PPI							
11A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	82	2	98	75	82	48
11B	ALACHLOR	4.00 E	4.00 LB/AC	PPI							
12A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	98	82	8	98	80	100	72
12B	METOLACHLOR	8.00 E	2.00 LB/AC	PPI							
13A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	100	85	2	100	62	95	80
13B	METOLACHLOR	8.00 E	2.00 LB/AC	PRE							
14A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	98	72	8	98	50	98	40
14B	METOLACHLOR	8.00 E	2.00 LB/AC	+2W							
15	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	92	68	15	98	18	98	58
16A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	98	80	28	98	68	100	50
16B	METOLACHLOR	8.00 E	2.00 LB/AC	PPI							
17A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	100	85	18	100	62	100	65
17B	METOLACHLOR	8.00 E	2.00 LB/AC	PRE							
18	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100

LSD(05): 8 14 9 8 16 12 16

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 0 N, 60 P, 40 K
 DATE PLANTED: MAY 12
 VARIETY: WILLIAMS

SOIL TYPE: LANTON
 PH: 6.9 U.M.: 3.2%
 DATE TREATED: MAY 12 PPI & PRE
 JUNE 6 +2W

Table 31: Soybean—Velvetleaf—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 15-----						
					GRAS	SRLE	CRIN	GFEL	VELE	COLL	LINE
1	ALACHLOR	4.00 E	2.00 LB/AC	PRE	85	32	0	85	22	48	38
2	ALACHLOR	4.00 E	4.00 LB/AC	PRE	88	55	2	90	32	80	50
3	ALACHLOR	4.00 E	2.00 LB/AC	PPI	58	28	0	58	48	45	38
4	ALACHLOR	4.00 E	4.00 LB/AC	PPI	65	22	2	65	45	18	32
5A	ALACHLOR	4.00 E	4.00 LB/AC	PPI	88	35	5	90	48	40	50
5B	ALACHLOR	4.00 E	2.00 LB/AC	+2W							
6	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	100	32	0	100	40	38	45
7	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	82	42	0	82	30	78	12
8A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	48	0	90	28	90	50
8B	ALACHLOR	4.00 E	2.00 LB/AC	+2W							
9A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	52	8	90	25	90	38
9B	ALACHLOR	4.00 E	4.00 LB/AC	+2W							
10A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	92	42	0	92	30	90	18
10B	ALACHLOR	4.00 E	2.00 LB/AC	PPI							
11A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	88	68	2	88	60	90	20
11B	ALACHLOR	4.00 E	4.00 LB/AC	PPI							
12A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	60	2	95	52	98	38
12B	METOLACHLOR	8.00 E	2.00 LB/AC	PPI							
13A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	98	62	0	98	38	95	32
13B	METOLACHLOR	8.00 E	2.00 LB/AC	PRE							
14A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	92	50	2	92	38	95	20
14B	METOLACHLOR	6.00 E	2.00 LB/AC	+2W							
15	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	88	35	5	88	15	98	30
16A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	95	55	10	95	45	95	40
16B	METOLACHLOR	8.00 E	2.00 LB/AC	PPI							
17A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	100	65	5	100	32	98	42
17B	METOLACHLOR	8.00 E	2.00 LB/AC	PRE							
18	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100

LSD(05): 9 14 NS 9 16 10 14

LOCATION: SPINDLETOP FARM

SOIL TYPE: LANTON SILT LOAM

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

pH: 5.9 O.M.: 3.2%

DATE PLANTED: MAY 12

DATE TREATED: MAY 12 PPI

VARIETY: WILLIAMS

MAY 12 PRE

JUNE 6 +2W

Table 32: Soybean—Yellow Nutsedge

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---6/14 --		---7/12 --	
					CRIN	YENS	CRIN	YENS
1	ALACHLOR	4.00 E	3.00 LB/AC	PRE	10	82	8	78
2	ALACHLOR	4.00 E	3.00 LB/AC	PPI	10	80	8	82
3	ALACHLOR	4.00 E	4.00 LB/AC	PPI	15	82	10	78
4	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	10	95	10	90
5	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	12	95	12	92
6	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	22	98	20	98
7	RO-NEET/R 29148	5.30 EC	3.00 LB/AC	PPI	20	90	25	88
8	VERNOLATE	7.00 E	3.00 LB/AC	PPI	18	70	20	70
9	RO-NEET	6.00 E	3.00 LB/AC	PPI	35	82	32	82
10A	BENTAZON	4.00 E	1.00 LB/AC	EP	0	22	5	25
10B	DIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
11	AC 214	75.00 DG	.13 LB/AC	PPI	12	52	5	60
12	AC 214	75.00 DG	.25 LB/AC	PPI	28	78	22	75
13	AC 214	75.00 DG	.38 LB/AC	PPI	32	78	25	75
14A	AC 214	75.00 DG	.13 LB/AC	MP	8	42	8	40
14B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP				
15A	AC 214	75.00 DG	.25 LB/AC	MP	5	60	5	60
15B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP				
16	FDE 2696	2.00 EC	.45 LB/AC	PRE	8	52	15	40
17	FDE 2696	2.00 EC	.90 LB/AC	PRE	18	62	12	55
18	FDE 2696	2.00 EC	1.34 LB/AC	PRE	22	65	20	58
19	FDE 2696	2.00 EC	.45 LB/AC	PPI	20	58	20	58
20	FDE 2696	2.00 EC	.90 LB/AC	PPI	35	68	25	65
21	FDE 2696	2.00 EC	1.34 LB/AC	PPI	60	60	58	52

Table 32: Soybean—Yellow Nutsedge (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/14 --		---7/12 --	
					GRIN	YENS	GRIN	YENS
22	CHECK (CULTIVATED)	.00 CK	.00		0	100	0	100
LSD(05):					10	18	9	18

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.4 O.M.: 2.4%
 DATE TREATED: MAY 11 PPI & PRE
 JUNE 2 EP
 JUNE 7 MP

Table 33: Soybean Preemergence Tolerance

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---6/9 --		---6/17 --		---7/25 --	
					GRIN	PESN	GRIN	PESN	GRIN	PESN
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	67	0	100	0	100
1B	METRIBUZIN 2	75.00 DF	.38 LB/AC	PRE						
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	100	0	100	0	100
2B	METRIBUZIN 2	75.00 DF	.38 LB/AC	PRE						
2C	ASSIST	.00 AD	1.00 QT/AC	PRE						
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	100	0	100	0	100
3B	METRIBUZIN 2	75.00 DF	.57 LB/AC	PRE						
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	100	3	100	0	100
4B	METRIBUZIN 2	75.00 DF	.57 LB/AC	PRE						
4C	ASSIST	.00 AD	1.00 QT/AC	PRE						
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	7	100	3	100	0	100
5B	METRIBUZIN 2	75.00 DF	.75 LB/AC	PRE						
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	7	100	3	100	0	100
6B	METRIBUZIN 2	75.00 DF	.75 LB/AC	PRE						
6C	ASSIST	.00 AD	1.00 QT/AC	PRE						
7	ASSIST	.00 AD	1.00 QT/AC	PRE	0	0	0	0	0	0
8	CHECK (CULTIVATED)	.00 CK	.00		0	100	0	100	0	0
LSD(05):					NS	36	NS	NS	VS	VS

LOCATION: PRINCETON
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 25
 VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM
 0 N, 0 P, 0 K P4: 6.5 U.M.: 1.5%
 DATE TREATED: PRE MAY 25

Table 34: Soybean Tolerance to Bladex

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 30 -----				-----JULY 25 -----			
					PESM	EAPA	GRAS	HRLE	PESM	EAPA	GRAS	HRLE
1	CYANAZINE	4.00 L	2.00 LB/AC	EPP	3	0	3	3	0	0	0	0
2A	CYANAZINE	4.00 L	2.00 LB/AC	EPP	0	0	0	0	0	0	0	0
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EPP								
3A	CYANAZINE	4.00 L	2.00 LB/AC	EPP	0	10	17	10	0	0	0	0
3B	CYANAZINE	4.00 L	1.50 LB/AC	POD								
4A	CYANAZINE	4.00 L	2.00 LB/AC	EPP	0	17	20	13	0	0	0	0
4B	CYANAZINE	4.00 L	1.50 LB/AC	POD								
4C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD								
5A	CYANAZINE	4.00 L	2.00 LB/AC	EPP	10	17	17	17	0	0	0	0
5B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EPP								
5C	CYANAZINE	4.00 L	1.50 LB/AC	POD								
5D	DINoseb	3.00 E	1.50 LB/AC	POD								
6A	CYANAZINE	4.00 L	2.00 LB/AC	EPP	7	63	70	23	0	10	10	0
6B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EPP								
6C	ALACHLOR	4.00 E	1.25 LB/AC	PRE								
6D	CYANAZINE	4.00 L	2.00 LB/AC	POD								
6E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD								
7A	CYANAZINE	4.00 L	2.00 LB/AC	EPP	0	53	40	7	0	5	0	5
7B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EPP								
7C	ALACHLOR	4.00 E	1.25 LB/AC	PRE								
8A	PARAQUAT	2.00 E	.25 LB/AC	PRE	60	67	63	43	7	10	5	7
8B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE								
8C	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
8D	LINORON	4.00 L	.75 LB/AC	PRE								
9A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	7	57	67	50	0	5	7	0
9B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE								
10A	PARAQUAT	2.00 E	.25 LB/AC	PRE	0	0	0	0	0	0	0	0
10B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE								
10C	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
10D	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE								

LSD(05): 11 12 17 21 NS 4 4 NS

LOCATION: PRINCEIDON
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 20
 VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM
 0 N, 60 P, 60 K P4: 5.6 U.M.: 1.5%
 DATE TREATED: EPP APRIL 21
 PRE MAY 20
 POD JUNE 20

Table 35: No-Tillage Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	----AUGUST 9 ---		
					LACS	GRAS	PESW
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	35	20	50
1B	LINURON	4.00 L	.75 LB/AC	PRE			
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
1D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
2A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	45	45	75
2B	LINURON	4.00 L	1.00 LB/AC	PRE			
2C	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE			
2D	PARAQUAT	2.00 E	.25 LB/AC	PRE			
2E	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	35	62	70
3B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE			
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
3D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
4A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	45	28	70
4B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
4C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
4D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
5A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	2	5	98
5B	PPG-844	2.00 E	.30 LB/AC	PRE			
5C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
5D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	0	25
6B	PPG 1013	1.00 E	.20 LB/AC	PRE			
6C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
6D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
7A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	2	0
7B	OXYFLUORFEN	2.00 EC	.50 LB/AC	PRE			
7C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
7D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	2	0
8B	OXYFLUORFEN	1.50 EC	.50 LB/AC	PRE			
8C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
8D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
9A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	2	2	2
9B	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE			
9C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
9D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			

Table 35: No-Tillage Soybeans (continued)

TRT	HERBICIDE			APPL	----AUGUST 9 ---		
NO.	TREATMENT	FORMULA	RATE	METH	LAKE	GRAS	PFSW
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	0	25
10B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
10C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
10D	PPG-944	2.00 E	2.00 LB/AC	EP			
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	2	2	2
11B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
11C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
11D	PPG 1013	1.00 E	.04 LB/AC	EP			
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	98	92
12B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	98	100
13B	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE			
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	98	98
14B	LINURON	4.00 L	1.00 LB/AC	PRE			
14C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	95	100
15B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
15C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
16A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	95	82	100
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
16C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	98	100
17B	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE			
17C	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
18A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	100	100
18B	OXYFLUORFEN	2.00 EC	.50 LB/AC	PRE			
18C	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
19A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	93	92	93
19B	OXYFLUORFEN	1.60 EC	.50 LB/AC	PRE			
19C	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
20A	SC 0224	4.00 LC	1.50 LB/AC	PRE	100	98	100
20B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
21A	SC 0224	4.00 LC	2.00 LB/AC	PRE	93	95	88
21B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			

Table 35: No-Tillage Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	* APPL METHOD	----AUGUST 9 ---		
					LACS	GRAS	PE SW
22A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	92	85	95
22B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
22C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
22D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
23A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	100	98
23B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	98	100
24B	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE			
25A	SC 0224	4.00 LC	1.50 LB/AC	PRE	100	100	90
25B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE			
26A	SC 0224	4.00 LC	2.00 LB/AC	PRE	100	90	85
26B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE			
27A	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	0	0	25
27B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
27C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
27D	CGA-92725	2.00 EC	.25 LB/AC	MP			
27E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
28A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	0	35	25
28B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
28C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
28D	CGA-92725	2.00 EC	.50 LB/AC	MP			
28E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
29A	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	0	0	0
29B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
29C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
29D	SETHOXYDIM	1.53 EC	.20 LB/AC	MP			
29E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
30A	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	0	0	25
30B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
30C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
30D	DNCG 453	2.00 E	.10 LB/AC	MP			
30E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
31A	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE	0	0	75
31B	PARAQUAT 2	2.00 S	.25 LB/AC	PRE			
31C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
31D	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP			
31E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			

Table 35: No-Tillage Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AUGUST 9 ---		
					LACS	GRAS	PESW
32A	PPG-944	2.00 E	.20 LB/AC	PRE	0	2	25
32B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
32C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
32D	SETHOXYDIM	1.53 EC	.20 LB/AC	EP			
32E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			
33A	PPG-944	2.00 E	.20 LB/AC	PRE	100	98	98
33B	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
33C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP			
33D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			
34A	PPG 1013	1.00 E	.04 LB/AC	PRE	0	0	28
34B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
34C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
34D	SETHOXYDIM	1.53 EC	.20 LB/AC	EP			
34E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			
35A	PPG 1013	1.00 E	.04 LB/AC	PRE	98	98	90
35B	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
35C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP			
35D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			
36A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	45	20	78
36B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
36C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
36D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
37A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	0	0	0
37B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
37C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
37D	ACIFLUORFEN	2.00 L	.13 LB/AC	MP			
38A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	95	92	95
38B	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
38C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
39A	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE	72	68	92
39B	LINURON	4.00 L	1.00 LB/AC	PRE			
39C	ORYZALIN	4.00 AS	1.00 LB/AC	PRE			
39D	PARAQUAT	2.00 E	.25 LB/AC	PRE			
39E	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
40A	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE	35	30	38
40B	LINURON	4.00 L	1.00 LB/AC	PRE			
40C	PEVIMETHALIN	4.00 E	1.25 LB/AC	PRE			
40D	PARAQUAT	2.00 E	.25 LB/AC	PRE			
40E	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			

Table 35: No-Tillage Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AUGUST 9 ---		
					LAGE	GRAS	PEBW
41A	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE	98	95	88
41B	LINURON	4.00 L	1.00 LB/AC	PRE			
41C	ORYZALIN	4.00 AS	1.00 LB/AC	PRE			
41D	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
42A	CHLORAMBEN	2.00 E	2.70 LB/AC	PRE	98	90	98
42B	LINURON	4.00 L	1.00 LB/AC	PRE			
42C	PENDIMETHALIN	4.00 E	1.25 LB/AC	PRE			
42D	GLYPHOSATE	4.00 E	1.00 LB/AC	PRE			
43A	OXYFLUORFEN	2.00 EC	.50 LB/AC	PRE	0	0	68
43B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
43C	X-77 (SURFACTANT)	.50 WA	.25 X	PRE			
44A	SETHDXYDIM	1.53 EC	.20 LB/AC	PRE	0	2	0
44B	DINoseb	3.00 E	1.50 LB/AC	PRE			
44C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	PRE			
45A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	98	100	100
45B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE			
46A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	100	98	100
46B	LINURON	4.00 L	.75 LB/AC	PRE			
47A	SD 95481	7.00 EC	.50 LB/AC	PRE	98	100	100
47B	LINURON	4.00 L	1.00 LB/AC	PRE			
47C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
48A	SD 95481	7.00 EC	.75 LB/AC	PRE	98	98	98
48B	LINURON	4.00 L	1.00 LB/AC	PRE			
48C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
49A	SD 95481	7.00 EC	.50 LB/AC	PRE	98	98	98
49B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
49C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
50A	SD 95481	7.00 EC	.75 LB/AC	PRE	98	95	100
50B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
50C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
51A	SD 95481	7.00 EC	.75 LB/AC	PRE	98	92	90
51B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			
52A	SD 95481	7.00 EC	1.00 LB/AC	PRE	92	95	95
52B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE			

Table 35: No-Tillage Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AUGUST 9----		
					LACG	GRAS	PEBW
53A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	92	88	98
53B	CP 55097	8.00 EC	2.50 LB/AC	PRE			
53C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE			
54A	CP 55097	8.00 EC	2.50 LB/AC	PRE	50	48	70
54B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
54C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
54D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
55A	CGA-92725	2.00 EC	.50 LB/AC	PRE	85	85	90
55B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
55C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
55D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
56A	CGA-92725	2.00 EC	.75 LB/AC	PRE	0	2	0
56B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
57A	FMC 57020	4.00 EC	.75 LB/AC	PRE	0	0	25
57B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
57C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
58A	FMC 57020	4.00 EC	1.00 LB/AC	PRE	38	38	38
58B	PARAQUAT	2.00 E	.25 LB/AC	PRE			
58C	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
59A	FMC 57020	4.00 EC	.75 LB/AC	PRE	55	58	45
59B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
59C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
59D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
60A	FMC 57020	4.00 EC	1.00 LB/AC	PRE	0	2	5
60B	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE			
60C	PARAQUAT	2.00 E	.25 LB/AC	PRE			
60D	X-77 (SURFACTANT)	.50 WA	.25 %	PRE			
61A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	2
61B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP			
61C	2,4-DB	2.00 E	.03 LB/AC	MP			
62A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	0	0	0
62B	BENTAZON	4.00 E	1.00 LB/AC	MP			
62C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
63A	CGA-92725	2.00 EC	.25 LB/AC	MP	0	2	0
63B	BENTAZON	4.00 E	1.00 LB/AC	MP			
63C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			

Table 35: No-Tillage Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AUGUST 9 ---		
					LAGG	GRAS	PESW
64A	CGA-82725	2.00 EC	.25 LB/AC	MP	40	28	52
64B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP			
64C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP			
65A	CGA-82725	2.00 EC	.50 LB/AC	MP	0	2	0
65B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP			
65C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP			
66A	DOWCO 453	2.00 E	.10 LB/AC	MP	0	2	22
66B	BENTAZON	4.00 E	1.00 LB/AC	MP			
66C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
67A	DOWCO 453	2.00 E	.10 LB/AC	MP	0	2	0
67B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP			
67C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP			
68A	DOWCO 453	2.00 E	.10 LB/AC	MP	0	2	0
68B	ACIFLUORFEN	2.00 L	.38 LB/AC	MP			
68C	BENTAZON	4.00 E	.75 LB/AC	MP			
68D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP			
69A	HOE 39866	1.78 EC	.75 LB/AC	PRE	98	90	72
69B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
69C	HOE 33171	.75 EC	.15 LB/AC	LLP			
69D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP			
70A	HOE 39866	1.78 EC	.75 LB/AC	PRE	95	95	98
70B	HOE 33171	.75 EC	.15 LB/AC	LP			
70C	BENTAZON	4.00 E	1.00 LB/AC	LP			
70D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP			
LSD(05):					22	20	57

LOCATION: PRINCETON SOIL TYPE: ZANESVILLE SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K P4: 6.2 U.M.: 2.3X
 DATE PLANTED: JULY 6 DATE TREATED: JULY 7 PRE
 VARIETY: ESSEX JULY 19 EP
 JULY 21 MP **

**-TREATMENTS 62-68 APPLIED JULY 19

Table 36: Soybean No-Tillage Tolerance to Postemergence Application

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	8/05 CRIN	9/05 CRIN
1A	ACIFLUORFEN	2.00 L	.38 LB/AC	2TR	7	0
1B	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR		
2A	ACIFLUORFEN	2.00 L	.50 LB/AC	2TR	10	0
2B	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR		
3A	ACIFLUORFEN	2.00 L	.38 LB/AC	2TR	10	0
3B	2,4-DB	2.00 E	.03 LB/AC	2TR		
4A	ACIFLUORFEN	2.00 L	.50 LB/AC	2TR	10	0
4B	2,4-DB	2.00 E	.03 LB/AC	2TR		
5A	ACIFLUORFEN	2.00 L	.50 LB/AC	2TR	17	0
5B	2,4-DB	2.00 E	.06 LB/AC	2TR		
6	2,4-DB	2.00 E	.03 LB/AC	2TR	10	0
7	2,4-DB	2.00 E	.06 LB/AC	2TR	10	0
8A	ACIFLUORFEN	2.00 L	.50 LB/AC	5TR	50	0
8B	TRITON AG 98 SURFACT	.00 WA	.13 %	5TR		
9A	ACIFLUORFEN	2.00 L	.38 LB/AC	5TR	20	0
9B	2,4-DB	2.00 E	.06 LB/AC	5TR		
10A	ACIFLUORFEN	2.00 L	.50 LB/AC	5TR	23	0
10B	2,4-DB	2.00 E	.03 LB/AC	5TR		
11A	ACIFLUORFEN	2.00 L	.50 LB/AC	5TR	27	0
11B	2,4-DB	2.00 E	.06 LB/AC	5TR		
12	2,4-DB	2.00 E	.03 LB/AC	5TR	10	0
13	2,4-DB	2.00 E	.06 LB/AC	5TR	17	0
14A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	10	0
14B	ACIFLUORFEN	2.00 L	.38 LB/AC	2TR		
14C	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR		
15A	MEFLUIDIDE	2.00 S	.20 LB/AC	5TR	50	0
15B	ACIFLUORFEN	2.00 L	.38 LB/AC	5TR		
15C	TRITON AG 98 SURFACT	.00 WA	.13 %	5TR		
16	NANPA/DN	3.00 E	2.25 LB/AC	2TR	10	0

**Table 36: Soybean No-Tillage Tolerance to Postemergence Application
(continued)**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	8/05 CRLY	9/05 CRIN
17	NANPA/DN	3.00 E	2.25 LB/AC	STR	40	0
18A	NANPA/DN	3.00 E	2.25 LB/AC	2TR	17	0
18B	2,4-DB	2.00 E	.03 LB/AC	2TR		
19A	NANPA/DN	3.00 E	2.25 LB/AC	STR	37	0
19B	2,4-DB	2.00 E	.03 LB/AC	STR		
20A	UBI 1484	2.00 L	1.50 LB/AC	2TR	33	0
20B	X-77 (SURFACTANT)	.50 WA	.25 %	2TR		
21A	UBI 1484	2.00 L	1.50 LB/AC	STR	13	0
21B	X-77 (SURFACTANT)	.50 WA	.25 %	STR		
22A	BENTAZON	4.00 E	1.00 LB/AC	2TR	3	0
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	2TR		
23A	BENTAZON	4.00 E	1.00 LB/AC	STR	13	0
23B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	STR		
24A	BENTAZON	4.00 E	1.00 LB/AC	2TR	10	0
24B	2,4-DB	2.00 E	.03 LB/AC	2TR		
25A	BENTAZON	4.00 E	1.00 LB/AC	STR	10	0
25B	2,4-DB	2.00 E	.03 LB/AC	STR		
26	CHECK (UNCULTIVATED)	.00 CK	.00		10	0
LSD(05):					10	NS

LOCATION: PRINCETON, KY
 FERTILIZATION (LB/AC):
 DATE PLANTED: JULY 5
 VARIETY: ESSEX

0 N, 60 P, 60 K SOIL TYPE: CRIDER SILT LOAM
 PH: 6.5 U.M.: 1.3%
 DATE TREATED: JULY 18 2TR
 JULY 30 STR

Table 37: Johnsongrass in Soybeans Preemergence and Preplant Incorporated

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA --		----BHB --	
					CRIN	JOGR	CRIN	JOGR
1	AC 214	75.00 UG	.13 LB/AC	PPI	0	58	0	5
2	AC 214	75.00 UG	.25 LB/AC	PPI	0	62	0	25
3	AC 214	75.00 UG	.38 LB/AC	PPI	0	95	5	80
4A	AC 214	75.00 UG	.13 LB/AC	PPI	0	70	0	65
4B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI				
5A	AC 214	75.00 UG	.25 LB/AC	PPI	0	72	0	65
5B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI				
6A	AC 214	75.00 UG	.13 LB/AC	MP	0	0	0	22
6B	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
7A	AC 214	75.00 UG	.25 LB/AC	MP	0	18	0	65
7B	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
8A	AC 214	75.00 UG	.38 LB/AC	MP	0	0	0	88
8B	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
9	AC 214	75.00 UG	.13 LB/AC	PRE	0	78	0	40
10	AC 214	75.00 UG	.25 LB/AC	PRE	0	85	0	78
11	AC 214	75.00 UG	.38 LB/AC	PRE	2	95	2	85
12A	AC 214	75.00 UG	.13 LB/AC	PRE	0	78	0	38
12B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
13A	AC 214	75.00 UG	.25 LB/AC	PRE	0	60	0	60
13B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
14A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	0	48	0	88
14B	AC 214	75.00 UG	.13 LB/AC	MP				
14C	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
15A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	0	52	2	88
15B	AC 214	75.00 UG	.25 LB/AC	MP				
15C	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
16	MBR 22359	2.00 E	1.50 LB/AC	PRE	2	90	0	52
17	MBR 22359	2.00 E	2.00 LB/AC	PRE	12	95	0	85

Table 37: Johnsongrass in Soybeans Preemergence and Preplant Incorporated (continued)

TRT	HERBICIDE	FORMULA	RATE	APPL	----AAA --		----BBB --	
NO.	TREATMENT			METHOD	CRIN	JOGR	CRIN	JOGR
18	MBR 22359	2.00 E	2.50 LB/AC	PRE	12	95	0	78
				LSD(05):	3	55	NS	38

LOCATION: PRINCETON
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
 DATE PLANTED: MAY 26
 VARIETY: WILLIAMS
 AAA-EVALUATED 4 WK AFTER APPLIED
 BBB-EVALUATED 8 WK AFTER APPLIED

SOIL TYPE: CRIDER SILT LOAM
 PH: 5.7 U.M.: 1.1%
 DATE TREATED: MAY 26 PPI & PRE
 JUNE 23 MP

Table 38: Johnsongrass in Soybeans Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA -- CRIN JOGR	----BBB -- CRIN JOGR
1A	SC 1084	.00	.25	EP	0	50
1B	OIL CONCENTRATE	.00 AD	1.00 GT/AC	EP	63	0
2A	SC 1084	.00	.50	MP	0	97
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP	0	97
3A	HOE 33171	.75 EC	.15 LB/AC	MP	0	90
3B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP	77	0
3C	BENTAZON	4.00 E	1.00 LB/AC	+4D		
3D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4D		
4A	HOE 33171	.75 EC	.15 LB/AC	MP	0	90
4B	BENTAZON	4.00 E	1.00 LB/AC	MP	93	0
4C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP		
5A	HOE 33171	.75 EC	.15 LB/AC	LLP	0	63
5B	ACIFLUORFEN	2.00 L	.50 LB/AC	LLP	0	3
5C	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP	0	3
6A	HOE 33171	.75 EC	.20 LB/AC	LLP	0	67
6B	ACIFLUORFEN	2.00 L	.50 LB/AC	LLP	0	3
6C	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP	0	3
7A	HOE 33171	.75 EC	.15 LB/AC	LLP	0	57
7B	BENTAZON	4.00 E	.75 LB/AC	LLP	0	0
7C	ACIFLUORFEN	2.00 L	.38 LB/AC	LLP	0	3
7D	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP	0	57
8A	HOE 39866	1.78 EC	.75 LB/AC	PRE	0	97
8B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE	0	0
8C	HOE 33171	.75 EC	.20 LB/AC	LLP	0	0
8D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP	0	0
9A	HOE 33171	.75 EC	.15 LB/AC	LLP	0	83
9B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP	0	0
10A	HOE 39866	1.78 EC	.75 LB/AC	PRE	0	73
10B	HOE 33171	.75 EC	.15 LB/AC	LLP	0	0
10C	BENTAZON	4.00 E	.75 LB/AC	LLP	0	0
10D	ACIFLUORFEN	2.00 L	.38 LB/AC	LLP	0	0
10E	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP	0	0
11A	BENTAZON	4.00 E	1.00 LB/AC	MP	0	30
11B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP	47	0
11C	SETHOXYDIM	1.53 EC	.30 LB/AC	MP		
11D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP		

Table 38: Johnsongrass in Soybeans Postemergence (continued)

TRT YU	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA --		----BBB --	
					CRIN	UGR	CRIN	UGR
12A	BENTAZON	4.00 E	1.00 LB/AC	MP	0	60	0	40
12B	SETHOXYDIM	1.53 EC	.30 LB/AC	MP				
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
13A	BENTAZON	4.00 E	.75 LB/AC	MP	0	53	0	43
13B	ACIFLUORFEN	2.00 L	.25 LB/AC	MP				
13C	SETHOXYDIM	1.53 EC	.30 LB/AC	MP				
13D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
14A	BENTAZON	4.00 E	.75 LB/AC	EP	0	23	0	0
14B	Y 6202	.00	1.25	EP				
14C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
15A	BENTAZON	4.00 E	.75 LB/AC	LP	0	93	0	100
15B	DOWCO 453	2.00 E	.12 LB/AC	LP				
15C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
16A	BENTAZON	4.00 E	.75 LB/AC	LP	0	93	0	100
16B	DOWCO 453	2.00 E	.18 LB/AC	LP				
16C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
17A	BENTAZON	4.00 E	.75 LB/AC	LP	0	93	0	100
17B	DOWCO 453	2.00 E	.24 LB/AC	LP				
17C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
18A	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP	0	0	0	90
18B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
19A	SETHOXYDIM	1.53 EC	.25 LB/AC	LLP	0	0	0	93
19B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
20A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	0	90	0	90
20B	SOY OIL	.00 AD	1.00 QT/AC	MP				
21A	ACIFLUORFEN	2.00 L	.50 LB/AC	LP	0	90	0	83
21B	DOWCO 453	2.00 E	.12 LB/AC	LP				
21C	OIL CONCENTRATE	.00 AD	.50 QT/AC	LP				
22A	ACIFLUORFEN	2.00 L	.50 LB/AC	LP	0	93	3	100
22B	DOWCO 453	2.00 E	.18 LB/AC	LP				
22C	OIL CONCENTRATE	.00 AD	.50 QT/AC	LP				
23A	ACIFLUORFEN	2.00 L	.50 LB/AC	LP	0	93	0	97
23B	DOWCO 453	2.00 E	.24 LB/AC	LP				
23C	OIL CONCENTRATE	.00 AD	.50 QT/AC	LP				

Table 38: Johnsongrass in Soybeans Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MEIH	----AAA -- CRIN	----888 -- JOGR	CRIN	JOGR
24A	DOWCO 453	2.00 E	.12 LB/AC	LP	0	95	0	100
24B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
25A	DOWCO 453	2.00 E	.18 LB/AC	LP	0	97	0	100
25B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
26A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	LLP	0	0	0	90
26B	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP				
27A	FLUAZIFOP BUTYL	4.00 E	.05 LB/AC	LLP	0	0	0	93
27B	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP				
28A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LLP	0	0	0	87
28B	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP				
29A	FLUAZIFOP BUTYL	4.00 E	.15 LB/AC	LLP	0	0	0	90
29B	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP				
30A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	LLP	0	0	0	73
30B	BENTAZON	4.00 E	1.00 LB/AC	LLP				
30C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
31A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	0	87	0	97
31B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
31C	ACIFLUORFEN	2.00 L	.50 LB/AC	+3D				
31D	OIL CONCENTRATE	.00 AD	.50 QT/AC	+3D				
32A	CGA-82725	2.00 EC	.25 LB/AC	MP	0	97	0	83
32B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
33A	CGA-82725	2.00 EC	.50 LB/AC	MP	0	100	0	100
33B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
34A	CGA-82725	2.00 EC	.25 LB/AC	MP	0	80	0	83
34B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
34C	CGA-82725	2.00 EC	.50 LB/AC	+4W				
34D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
35A	CGA-82725	2.00 EC	.25 LB/AC	MP	0	77	0	93
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
35C	CGA-82725	2.00 EC	.25 LB/AC	+4W				
35D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
36A	MEFLUIDIDE	2.00 S	.25 LB/AC	MP	0	50	0	67
36B	X-77 (SURFACTANT)	.50 WA	.25 %	MP				
36C	MEFLUIDIDE	2.00 S	.25 LB/AC	+3W				
36D	X-77 (SURFACTANT)	.50 WA	.25 %	+3W				

Table 38: Johnsongrass in Soybeans Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA -- GRY JOGR	----BBB -- GRIN JOGR		
37A	MEFLUIDIDE	2.00 S	.20 LB/AC	MP	0	65	0	90
37B	X-77 (SURFACTANT)	.50 WA	.25 %	MP				
37C	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D				
37D	MEFLUIDIDE	2.00 S	.20 LB/AC	+3W				
37E	X-77 (SURFACTANT)	.50 WA	.25 %	+3W				
38A	MEFLUIDIDE	2.00 S	.25 LB/AC	MP	0	40	0	40
38B	BENTAZON	4.00 E	.75 LB/AC	MP				
38C	X-77 (SURFACTANT)	.50 WA	.25 %	MP				
38D	MEFLUIDIDE	2.00 S	.25 LB/AC	+3W				
38E	X-77 (SURFACTANT)	.50 WA	.25 %	+3W				
39A	MEFLUIDIDE	2.00 S	.20 LB/AC	MP	0	67	0	83
39B	ACIFLUORFEN	2.00 L	.38 LB/AC	MP				
39C	XN 36 (SURFACTANT)	.90 WA	1.00 %	MP				
39D	MEFLUIDIDE	2.00 S	.20 LB/AC	+3W				
39E	X-77 (SURFACTANT)	.50 WA	.25 %	+3W				
40A	MEFLUIDIDE	2.00 S	.25 LB/AC	MP	0	10	3	10
40B	BENTAZON	4.00 E	.38 LB/AC	MP				
40C	X-77 (SURFACTANT)	.50 WA	.25 %	MP				
40D	MEFLUIDIDE	2.00 S	.13 LB/AC	+3D				
40E	BENTAZON	4.00 E	.38 LB/AC	+3D				
40F	X-77 (SURFACTANT)	.50 WA	.25 %	+3D				
41A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	0	83	0	77
41B	SETHOXYDIM	1.53 EC	.30 LB/AC	MP				
41C	BENTAZON	4.00 E	.75 LB/AC	MP				
41D	OIL CONCENTRATE	.60 AD	1.00 QT/AC	MP				
42A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	0	95	0	85
42B	SETHOXYDIM	1.53 EC	.15 LB/AC	MP				
42C	OIL CONCENTRATE	.60 AD	1.00 QT/AC	MP				
42D	ACIFLUORFEN	2.00 L	.38 LB/AC	+3D				
43A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	0	80	0	80
43B	SETHOXYDIM	1.53 EC	.15 LB/AC	MP				
43C	ACIFLUORFEN	2.00 L	.38 LB/AC	MP				
43D	XN 36 (SURFACTANT)	.60 WA	1.00 %	MP				
44A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	0	65	0	37
44B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP				
44C	OIL CONCENTRATE	.60 AD	.50 QT/AC	MP				
45A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	0	83	0	70
45B	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	MP				
45C	OIL CONCENTRATE	.60 AD	.50 QT/AC	MP				

Table 38: Johnsongrass in Soybeans Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	----AAA --		----BBB --	
					CRIN	JUGR	CRIN	JUGR
46A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	0	93	0	97
46B	DNCO 453	2.00 E	.10 LB/AC	MP				
46C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
LSD(05):					NS	19	3	28
LOCATION: PRINCETON				SOIL TYPE: CRIDER SILT LOAM				
FERTILIZATION (LB/AC):				0 N,	60 P,	60 K	PH: 6.2	U.M.: 1.3%
DATE PLANTED: MAY 25				DATE TREATED: MAY 25 PRE				
VARIETY: WILLIAMS				JUNE 16 EP				
				JUNE 23 MP				
JUNE 26 +30								
JUNE 27 +40								
JUNE 30 LP								
JULY 13 +3N								
JULY 19 +4N								
JULY 20 LLP								
AAA-EVALUATED 4 WK AFTER APPLIED								
BBB-EVALUATED 8 WK AFTER APPLIED								

Table 39: Johnsongrass Control in Double-Cropped Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---7/14 --		---8/5 --		---8/11 --		---9/8 --	
					CRIN	JOGR	CRIN	JOGR	CRIN	JOGR	CRIN	JOGR
1A	SETHOXYDIM	1.53 EC	.10 LB/AC	EP	0	0	0	48	0	65	0	30
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
1C	SETHOXYDIM	1.53 EC	.10 LB/AC	+3W								
1D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+3W								
2A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	0	0	0	52	0	68	0	52
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
2C	SETHOXYDIM	1.53 EC	.20 LB/AC	+3W								
2D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+3W								
3A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	0	0	0	42	0	52	0	52
3B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
4A	SETHOXYDIM	1.53 EC	.40 LB/AC	LP	0	0	0	52	0	68	0	58
4B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
5A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	EP	0	0	0	35	0	50	0	35
5B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
5C	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	+3W								
5D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+3W								
6A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	0	0	0	40	0	52	0	52
6B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
6C	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	+3W								
6D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+3W								
7A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	LP	0	0	0	35	0	45	0	38
7B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
8A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	LP	0	0	0	38	0	58	0	40
8B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
9A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	0	78	0	68	0	68	0	40
9B	ALACHLOR	4.00 E	3.00 LB/AC	PRE								
10A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	0	90	0	80	0	72	0	50
10B	ORYZALIN	4.00 AS	1.50 LB/AC	PRE								
11A	PARAQUAT	2.00 E	.25 LB/AC	PRE	0	52	0	25	0	22	0	10
11B	X-77 (SURFACTANT)	.50 WA	.25 %	PRE								
11C	ORYZALIN	4.00 AS	1.50 LB/AC	PRE								
12	GLYPHOSATE	.33 WA	.33 %	SAE	0	0	0	0	0	0	0	80
13A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	0	92	0	80	0	75	0	85
13B	ORYZALIN	4.00 AS	1.50 LB/AC	PRE								
13C	SETHOXYDIM	1.53 EC	.30 LB/AC	LP								
13D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								

Table 39: Johnsongrass Control in Double-Cropped Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METHOD	---7/14 --		---8/5 --		---8/11 --		---9/8 --	
					CRIN	JUGR	CRIN	JUGR	CRIN	JUGR	CRIN	JUGR
14A	PARAQUAT	2.00 E	.25 LB/AC	PRE	0	55	0	25	0	42	0	25
14B	X-77 (SURFACTANT)	.50 WA	.25 Z	PRE								
14C	ORYZALIN	4.00 AS	1.50 LB/AC	PRE								
14D	SETHOXYDIM	1.53 EC	.30 LB/AC	LP								
14E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP								
15A	PARAQUAT	2.00 E	.25 LB/AC	PRE	0	62	0	58	0	55	0	55
15B	X-77 (SURFACTANT)	.50 WA	.25 Z	PRE								
15C	ORYZALIN	4.00 AS	1.50 LB/AC	PRE								
15D	SETHOXYDIM	1.53 EC	.20 LB/AC	EP								
15E	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
15F	SETHOXYDIM	1.53 EC	.20 LB/AC	+3W								
15G	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+3W								
16	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	0	0	0
				LSD(05):	NS	8	NS	12	NS	17	2	16

LOCATION: PRINCETON, KY.
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
 DATE PLANTED: JULY 6
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LUAM
 PH: 6.6 U.M.: 1.9%
 DATE TREATED: JULY 7 PRE
 JULY 13 EP
 JULY 27 LP

AUGUST 3 +3W
 AUGUST 24 SAE

Table 40: Cocklebur Control in Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/24 --		---7/24 --	
					GRIN	COCB	GRIN	COCB
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	13	80	0	47
1B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP				
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	60	0	87
2B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP				
2C	2,4-DB	2.00 E	.03 LB/AC	MP				
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	7	67	0	30
3B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP				
3C	2,4-DB	2.00 E	.06 LB/AC	MP				
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	13	87	0	43
4B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP				
4C	X-77 (SURFACTANT)	.50 WA	.13 %	MP				
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	13	80	0	60
5B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP				
5C	2,4-DB	2.00 E	.03 LB/AC	MP				
5D	X-77 (SURFACTANT)	.50 WA	.13 %	MP				
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	57	83	0	77
6B	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP				
6C	2,4-DB	2.00 E	.06 LB/AC	MP				
6D	X-77 (SURFACTANT)	.50 WA	.13 %	MP				
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	23	93	0	30
7B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP				
7C	TRITON AG 98 SURFACT	.00 WA	.13 %	MP				
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	87	0	77
8B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP				
8C	2,4-DB	2.00 E	.03 LB/AC	MP				
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	10	93	0	37
9B	ACIFLUORFEN	2.00 L	.50 LB/AC	MP				
9C	2,4-DB	2.00 E	.06 LB/AC	MP				
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	65	0	53
10B	DPX F6025	75.00 DF	.01 LB/AC	1TR				
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	77	0	17
11B	DPX F6025	75.00 DF	.02 LB/AC	1TR				
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	17	90	7	87
12B	DPX F6025	75.00 DF	.01 LB/AC	PRE				

Table 40: Cocklebur Control in Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/24 --- CRIN	---7/24 --- COCB	CRIN	COCB
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	0	90
13B	DPX F6025	75.00 DF	.02 LB/AC	PRE				
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	0	93
14B	DPX F6025	75.00 DF	.03 LB/AC	PRE				
15	SC 1056	2.40 F	.12 LB/AC	PRE	43	10	0	0
16	SC 1056	2.40 F	.24 LB/AC	PRE	43	0	0	0
17	FMC 57020	4.00 EC	.75 LB/AC	PRE	0	90	0	50
18	FMC 57020	4.00 EC	1.00 LB/AC	PRE	0	77	0	57
19	FMC 57020	4.00 EC	1.25 LB/AC	PRE	0	90	0	77
20A	FMC 57020	4.00 EC	.75 LB/AC	PRE	0	73	0	43
20B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE				
21A	FMC 57020	4.00 EC	1.00 LB/AC	PRE	0	77	0	30
21B	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE				
22A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	7	97	0	80
22B	PPG-844	2.00 E	.15 LB/AC	EP				
23A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	7	93	0	90
23B	PPG-844	2.00 E	.20 LB/AC	EP				
24A	PPG-844	2.00 E	.10 LB/AC	EP	3	97	0	87
24B	BENTAZON	4.00 E	.50 LB/AC	EP				
24C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP				
24D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
25A	PPG-844	2.00 E	.10 LB/AC	EP	3	100	0	90
25B	BENTAZON	4.00 E	.75 LB/AC	EP				
25C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP				
25D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
26A	PPG-844	2.00 E	.15 LB/AC	EP	13	87	0	87
26B	BENTAZON	4.00 E	.50 LB/AC	EP				
26C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP				
26D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
27A	PPG 1013	1.00 E	.01 LB/AC	EP	3	77	0	43
27B	BENTAZON	4.00 E	.50 LB/AC	EP				
27C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP				
27D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				

Table 40: Cocklebur Control in Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---5/24--		---7/24--	
					GRIN	COCB	GRIN	COCB
28A	PPG 1013	1.00 E	.02 LB/AC	EP	43	57	0	70
28B	BENTAZON	4.00 E	.50 LB/AC	EP				
28C	SETHOXYDIM	1.53 EC	.20 LB/AC	EP				
28D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
29	AC 214	75.00 DG	.13 LB/AC	PPI	0	87	0	93
30	AC 214	75.00 DG	.25 LB/AC	PPI	20	87	0	90
31	AC 214	75.00 DG	.38 LB/AC	PPI	0	97	0	100
32A	AC 214	75.00 DG	.13 LB/AC	PPI	0	97	0	97
32B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI				
33A	AC 214	75.00 DG	.25 LB/AC	PPI	0	87	0	93
33B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI				
34	AC 214	75.00 DG	.13 LB/AC	PRE	0	93	0	90
35	AC 214	75.00 DG	.25 LB/AC	PRE	0	93	0	93
36	AC 214	75.00 DG	.38 LB/AC	PRE	0	100	0	100
37A	AC 214	75.00 DG	.13 LB/AC	PRE	0	87	0	87
37B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
38A	AC 214	75.00 DG	.25 LB/AC	PRE	0	93	0	90
38B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
39A	AC 214	75.00 DG	.13 LB/AC	MP	0	67	0	87
39B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP				
40A	AC 214	75.00 DG	.25 LB/AC	MP	3	80	0	83
40B	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP				
41A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	0	70	0	87
41B	AC 214	75.00 DG	.13 LB/AC	MP				
41C	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP				
42A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	3	73	0	97
42B	AC 214	75.00 DG	.25 LB/AC	MP				
42C	TWEEN 20 (SURFACTANT)	.00 WA	.25 %	MP				
43A	BENTAZON	4.00 E	.75 LB/AC	EP	0	67	7	57
43B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				

Table 40: Cocklebur Control in Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/24 --		---7/24 --	
					CRIN	COCB	CRIN	COCB
44A	BENTAZON	4.00 E	1.00 LB/AC	MP	0	93	0	90
44B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
45A	DBI 1484	2.00 L	1.50 LB/AC	LP	0	0	0	67
45B	X-77 (SURFACTANT)	.50 WA	.50 Z	LP				
46	NANPA/DN	3.00 E	3.00 LB/AC	MP	20	90	0	90
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	17	87	0	60
47B	RH 4091	2.14 E	.25 LB/AC	MP				
47C	TRITON AG 98 SURFACT	.00 WA	.13 Z	MP				
48A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	17	73	0	83
48B	NANPA/DN	3.00 E	1.50 LB/AC	UN				
48C	2,4-DB	2.00 E	.03 LB/AC	UN				
49A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	3	33	0	0
49B	NANPA/DN	3.00 E	1.50 LB/AC	1TR				
50A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	3	57	0	70
50B	NANPA/DN	3.00 E	1.50 LB/AC	1TR				
50C	2,4-DB	2.00 E	.03 LB/AC	1TR				
51A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	3	70	0	83
51B	NANPA/DN	3.00 E	3.00 LB/AC	1TR				
52A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	40	93	0	80
52B	NANPA/DN	3.00 E	3.00 LB/AC	V2				
53A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	30	93	0	87
53B	NANPA/DN	3.00 E	3.00 LB/AC	2TR				
53C	2,4-DB	2.00 E	.03 LB/AC	2TR				
54A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	13	57	0	33
54B	NANPA/DN	3.00 E	1.50 LB/AC	2TR				
54C	2,4-DB	2.00 E	.03 LB/AC	2TR				
55A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	27	87	0	87
55B	NANPA/DN	3.00 E	1.50 LB/AC	2TR				
56A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	0	0	93
56B	NANPA/DN	3.00 E	3.00 LB/AC	5TR				
56C	2,4-DB	2.00 E	.03 LB/AC	5TR				
57A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	0	0	87
57B	CHLORAMBEN	75.00 DS	1.80 LB/AC	400				
57C	NAPTALAM	2.00 EC	1.00 LB/AC	400				
57D	2,4-DB	2.00 E	.03 LB/AC	400				

Table 40: Cocklebur Control in Soybeans (continued)

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METHOD	---5/24 --		---7/24 --	
					CRLY	COCB	CRIN	COCB
58A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	0	0	53
58B	CHLORAMBEN	75.00 DS	2.25 LB/AC	400				
58C	NAPTALAM	2.00 EC	1.00 LB/AC	400				
58D	2,4-DB	2.00 E	.05 LB/AC	400				
59A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	0	0	0
59B	CHLORAMBEN	75.00 DS	1.80 LB/AC	650				
59C	NAPTALAM	2.00 EC	1.00 LB/AC	650				
59D	2,4-DB	2.00 E	.03 LB/AC	650				
50A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	0	0	0
50B	CHLORAMBEN	75.00 DS	2.25 LB/AC	650				
50C	NAPTALAM	2.00 EC	1.00 LB/AC	650				
50D	2,4-DB	2.00 E	.05 LB/AC	650				
51A	FLEX	2.00 E	.12 LB/AC	MP	7	40	0	7
61B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
52A	FLEX	2.00 E	.25 LB/AC	MP	3	63	0	3
52B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
53A	FLEX	2.00 E	.30 LB/AC	MP	7	83	0	0
63B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				
54A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	13	83	0	77
64B	FLEX	2.00 E	.25 LB/AC	MP				
64C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP				

LSD(05): 21 27 NS 25

LOCATION: PRINCEION
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 25
 VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM
 0 N, 60 P, 60 K P: 6.4 U.M.: 1.3%
 DATE TREATED: MAY 24 PPI
 MAY 25 PRE
 JUNE 10 UN & EP

JUNE 14 1TR & V2
 JUNE 17 MP
 JUNE 20 2TR
 JUNE 30 LP, STR & 400
 JULY 29 650

Table 41: Preplant Incorporated Nozzle Comparison—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 30-----									
					CRIV	RIEL	VELE	COLR	TIME	COCA	BLMS	RESN	ILMG	SUEL
1A	PENDIMETHALIN 4.5 CD	4.00 E	1.00 LB/AC	PPI	5	80	78	95	65	75	75	78	75	80
1B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
2A	PENDIMETHALIN 4.5 FF	4.00 E	1.00 LB/AC	PPI	12	85	58	95	68	100	65	100	85	65
2B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
3A	PENDIMETHALIN 25 FF4	4.00 E	1.00 LB/AC	PPI	8	88	90	95	88	98	78	100	85	65
3B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
4A	TRIFLURALIN 4.5 CDA	4.00 E	1.00 LB/AC	PPI	8	80	88	85	80	85	68	85	75	35
4B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
5A	TRIFLURALIN 4.5 FF67	4.00 E	1.00 LB/AC	PPI	5	85	92	100	82	88	62	100	72	70
5B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
6A	TRIFLURALIN 25 FF4	4.00 E	1.00 LB/AC	PPI	12	92	95	98	92	98	78	98	78	90
6B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
7A	FLUCHLORALIN 4.5 CDA	4.00 E	1.00 LB/AC	PPI	5	82	92	85	70	78	52	75	82	48
7B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
8A	FLUCHLORALIN 4.5 F67	4.00 E	1.00 LB/AC	PPI	5	82	80	95	88	98	65	98	78	58
8B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
9A	FLUCHLORALIN 25 FF4	4.00 E	1.00 LB/AC	PPI	2	88	85	98	88	100	62	95	90	82
9B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
10A	ALACHLOR 4.5 GPA CDA	4.00 E	2.50 LB/AC	PPI	0	80	95	92	80	98	100	85	60	50
10B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
11A	ALACHLOR 4.5 FF67	4.00 E	2.50 LB/AC	PPI	0	85	78	98	90	100	100	98	48	80
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
12A	ALACHLOR 25 FF4	.00 E	2.50 LB/AC	PPI	0	90	85	100	90	98	100	98	62	95
12B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
			LSD(05):		NS	7	NS	NS	NS	NS	22	NS	22	35

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 3.1%
 DATE PLANTED: MAY 25 DATE TREATED: MAY 25 PPI
 VARIETY: WILLIAMS
 CJA = 4.5 GPA
 FF67 = 800067 TIP @ 4.5 GPA
 FF4 = 8004 TIP @ 25.0 GPA

Table 42: Preplant Incorporated Nozzle Comparison—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 29-----							
					BRLE	CRIN	GIEI	COLQ	JIME	BLYS	PEEM	IAMS
1A	PENDIMETHALIN 4.5 CDA	4.00 E	1.00 LB/AC	PPI	72	5	82	98	55	50	92	45
1B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
2A	PENDIMETHALIN 4.5 FF	4.00 E	1.00 LB/AC	PPI	79	0	80	92	48	45	100	50
2B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
3A	PENDIMETHALIN 25 FF4	4.00 E	1.00 LB/AC	PPI	90	0	90	95	85	45	100	90
3B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
4A	TRIFLURALIN 4.5 CDA	4.00 E	1.00 LB/AC	PPI	79	5	85	90	50	40	95	95
4B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
5A	TRIFLURALIN 4.5 FF67	4.00 E	1.00 LB/AC	PPI	80	2	88	98	75	20	100	85
5B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
6A	TRIFLURALIN 25 FF4	4.00 E	1.00 LB/AC	PPI	90	2	92	98	85	82	98	90
6B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
7A	FLUCHLORALIN 4.5 CDA	4.00 E	1.00 LB/AC	PPI	80	0	78	98	75	62	88	70
7B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
8A	FLUCHLORALIN 4.5 F67	4.00 E	1.00 LB/AC	PPI	80	5	75	98	50	45	98	22
8B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
9A	FLUCHLORALIN 25 FF4	4.00 E	1.00 LB/AC	PPI	85	0	90	98	85	42	100	98
9B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
10A	ALACHLOR 4.5 GPA CDA	4.00 E	2.50 LB/AC	PPI	82	0	78	95	70	100	90	0
10B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
11A	ALACHLOR 4.5 FF67	4.00 E	2.50 LB/AC	PPI	82	0	80	98	75	100	98	0
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
12A	ALACHLOR 25 FF4	.00 E	2.50 LB/AC	PPI	90	0	90	95	78	100	100	22
12B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI								
LSD(.05):					11	4	NS	4	NS	51	NS	48

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K P1: 6.1 U.M.: 3.1%
 DATE PLANTED: MAY 25 DATE TREATED: MAY 25 PPI
 VARIETY: WILLIAMS
 CDA = 4.5 GPA
 FF67 = 800067 TIP @ 4.5 GPA
 FF4 = 8004 TIP @ 25.0 GPA

Table 43: Eastern Black Nightshade Nozzle Comparison

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----7/5 --		---7/19 --	
					CRIN	BLNS	CRIN	BLNS
1	ALACHLOR 4.5 GPA CDA	4.00 E	3.00 LB/AC	PPI	0	97	0	93
2	ALACHLOR 12.5 FF2	4.00 E	3.00 LB/AC	PPI	3	97	27	63
3	ALACHLOR 25 FF4	.00 E	3.00 LB/AC	PPI	7	97	3	100
4	METOLACHLOR 4.5 CDA	8.00 E	3.00 LB/AC	PPI	0	0	17	53
5	METOLACHLOR 12.5 FF2	8.00 E	3.00 LB/AC	PPI	20	97	17	97
6	METOLACHLOR 25.0 FF4	8.00 E	3.00 LB/AC	PPI	10	100	10	100
7A	ACIFLOURFEN 4.5 CDA	2.00 L	.50 LB/AC	MP	0	0	17	40
7B	TRITON AG 98 SURFACT	.00 WA	.13 %	MP				
8A	ACIFLOURFEN 4.5 CDA	2.00 L	.50 LB/AC	MP	0	0	17	37
8B	SOY OIL	.00 AD	1.00 QT/AC	MP				
9A	ACIFLUORFEN 26 FF4	2.00 L	.50 LB/AC	MP	0	0	20	73
9B	TRITON AG 98 SURFACT	.00 WA	.13 %	MP				
10A	ACIFLUORFEN 26 FF4	2.00 L	.50 LB/AC	MP	0	0	17	60
10B	SOY OIL	.00 AD	1.00 QT/AC	MP				
LSD(05):					6	5	NS	33

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 25
 VARIETY: WILLIAMS
 CDA = 4.5 GPA
 FF2 = 8002 TIP @ 12.5 GPA
 FF4 = 8004 TIP @ 25.0 GPA
 SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.0%
 DATE TREATED: MAY 25 PPI
 JULY 5 MP

Table 44: Burley Tobacco—Soil and Postemergence Applied Herbicides

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED ---					
					GRAS	BBLE	CRIN	COLQ	RRPW	BLYS
1	PENDIMETHALIN	4.00 E	1.50 LB/AC PPI		90	83	7	100	83	27
2	PENDIMETHALIN	4.00 E	3.00 LB/AC PPI		93	90	0	100	90	97
3	PENDIMETHALIN	4.00 E	4.50 LB/AC PPI		97	90	17	100	93	97
4A	PENDIMETHALIN	4.00 E	1.00 LB/AC PPI		90	83	7	100	87	30
4S	PEBULATE	6.00 E	4.00 LB/AC PPI							
5	AC 214	75.00 DG	.13 LB/AC PPI		73	87	40	100	93	97
6	AC 214	75.00 DG	.25 LB/AC PPI		77	93	63	100	97	97
7	AC 214	75.00 DG	.13 LB/AC PRE		80	50	10	27	57	17
8	AC 214	75.00 DG	.25 LB/AC PRE		33	57	3	73	80	57
9	NAPROPAMIDE	2.00 L	1.00 LB/AC PPI		80	47	0	90	47	0
10	NAPROPAMIDE	2.00 L	1.50 LB/AC PPI		90	60	10	100	40	0
11	PEBULATE	6.00 E	4.00 LB/AC PPI		77	60	0	50	73	20
12A	PEBULATE	6.00 E	4.00 LB/AC PPI		90	87	0	93	90	33
12B	NAPROPAMIDE	50.00 WP	1.00 LB/AC PPI							
13	BENEFIN	1.50 E	1.50 LB/AC PPI		77	67	7	100	73	50
14	ISOPROPALIN	6.00 E	1.50 LB/AC PPI		90	67	7	63	67	27
15	DIPHENAMID	90.00 W	6.00 LB/AC PPI		93	77	0	97	93	0
16	DIPHENAMID	90.00 W	6.00 LB/AC PRE		43	17	3	57	23	0
17	SD 95481	7.00 EC	.75 LB/AC PPI		97	43	7	63	33	30
18	SD 95481	7.00 EC	1.50 LB/AC PPI		97	73	10	100	77	33
19	SD 95481	7.00 EC	.75 LB/AC POT		93	0	13	0	0	0
20	SD 95481	7.00 EC	1.50 LB/AC POT		90	7	0	33	0	33
21A	SETHOXYDIM	1.53 EC	.25 LB/AC EP		100	0	0	0	0	0
21B	OIL CONCENTRATE	.00 AD	1.00 QT/AC EP							

**Table 44: Burley Tobacco—Soil and Postemergence Applied Herbicides
(continued)**

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED ---					
					GRAS	BRLE	CRIN	COLQ	RRPN	BLYS
22A	FLUAZIFOP BUTYL	4.00 E	.25 LB/AC	MP	100	0	0	0	0	0
22B	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP						
23A	DOWCO 453	2.00 E	.25 LB/AC	MP	100	0	13	0	0	0
23B	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP						
24	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100
LSD(05):					29	26	18	45	31	55

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K
 DATE PLANTED: JUNE 17
 VARIETY: BURLEY TOBACCO

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.0%
 DATE TREATED: JUNE 17 PPI
 JUNE 21 PRE
 JUNE 21 POT

JULY 8 EP & MP

X. SPECIES SCREENING STUDY

TRT. NO.	CHEMICAL	FORM	RATE	METH	Alfalfa	Oats	Snapbeans	Soybeans	Peas	Foxtail	Panicum	Johnsongrass	Sida	Cotton	Cucumber	Morningglory	Pigweed	Jimsonweed	Velvetleaf	Cocklebur	Sorghum	Shattercane	Corn
1.	TRIFLURALIN	4E	1.0	PPI	60	90	30	0	90	100	100	90	50	30	70	70	100	90	10	30	90	90	90
2.	SD 95481	7E	0.25	SH PPI	50	40	30	0	40	50	70	40	50	10	0	90	60	60	10	30	10	10	50
3.	SD 95481	7E	0.50	SH PPI	50	90	80	0	80	80	90	80	70	20	30	20	60	70	40	40	10	70	60
4.	SD 95481	7E	0.75	SH PPI	40	90	70	10	80	100	100	70	80	30	40	40	90	90	50	40	70	60	90
5.	ALACHLOR	4E	2.5	PRE	90	50	30	0	40	100	100	100	100	70	90	60	100	90	30	40	70	80	40
6.	ATRAZINE	4L	1.5	PRE	100	100	100	90	100	100	100	40	90	80	100	90	100	100	90	100	0	0	0
7.	METRIBUZIN 1	4F	0.5	PRE	100	100	60	0	40	60	80	50	100	90	100	80	100	100	90	90	10	10	10
8.	NC 28858	50WP	0.13	PRE	40	30	20	0	40	40	90	20	60	40	80	90	100	90	50	40	0	10	0
9.	NC 28858	50WP	0.25	PRE	90	100	90	10	60	100	100	40	90	90	100	90	90	90	100	90	0	10	0
10.	NC 28858	50WP	0.5	PRE	100	100	100	70	100	100	100	90	100	100	100	100	100	100	100	100	10	20	10
11.	SD 95481	7E	0.5	PRE	60	50	10	0	40	100	100	80	70	50	40	70	80	60	30	30	20	30	20
12.	SD 95481	7E	0.75	PRE	30	60	0	0	10	100	100	90	40	40	30	90	90	60	60	50	40	40	50
13.	SD 95481	7E	1.0	PRE	70	80	30	0	40	100	100	100	50	30	50	50	90	80	50	50	80	80	70
14.	SC-1056	2.4F	0.1	PRE	70	0	30	10	60	50	50	30	60	20	70	40	70	60	20	20	0	0	0
15.	SC-1056	2.4F	0.5	PRE	100	100	100	90	90	100	100	100	100	70	100	100	100	100	100	70	80	80	70

X. SPECIES SCREENING STUDY (continued)

TRT. NO.	CHEMICAL	FORM	RATE	METH	Alfalfa	Oats	Snapbeans	Soybeans	Peas	Foxtail	Panicum	Johnsongrass	Sida	Cotton	Cucumber	Morningglory	Pigweed	Jimsonweed	Velvetleaf	Cocklebur	Sorghum	Shattercane	Corn
16.	BENTAZON	4E	1.0	MP	30	0	10	0	50	0	0	0	70	80	10	50	90	80	90	100	0	0	0
	+ OIL CONC.	OAD	1.0 QT																				
17.	ACIFLUORFEN 1	2L	0.5	MP	50	20	30	10	80	70	70	10	20	70	100	90	90	80	60	80	50	30	20
	+ AG 98	OWA	0.125%																				
18.	SETHOXYDIM	1.53E	0.25	MP	0	90	20	0	40	90	90	100	10	0	20	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1.0 QT																				
19.	NC 28858	50WP	0.13	MP	30	20	70	50	80	90	90	30	20	70	70	40	100	90	50	90	0	0	0
	+ ALCAR 90		1%																				
20.	NC 28858	50WP	0.25	MP	30	20	70	70	90	100	100	60	80	100	90	90	90	90	80	90	30	20	20
	+ ALCAR 90		1%	MP																			
21.	NC 28858	50WP	0.5	MP	60	60	90	80	90	100	100	50	90	100	100	80	100	100	90	100	50	40	40
	+ ALCAR 90		1%	MP																			
22.	SC 1084 +	4E	0.25	MP	0	80	50	0	80	90	90	90	50	40	30	50	50	50	10	10	90	90	100
	RIGO OIL CONC.	OAD	1.0 QT	MP																			
23.	SC 1084 +	4E	0.5	MP	0	90	50	0	10	90	90	100	40	10	10	20	50	10	10	10	100	100	100
	RIGO OIL CONC.	OAD	1.0 QT	MP																			
24.	SC 0224	4LC	0.5	MP	70	100	100	90	100	100	100	100	100	90	70	100	100	90	80	100	100	100	100
25.	GLYPHOSATE	4E	0.5	MP	50	100	100	90	100	100	100	100	100	90	80	100	100	100	90	100	100	100	100

X. SPECIES SCREENING STUDY (continued)

TRT. NO.	CHEMICAL	FORM	RATE	METH	Alfalfa	Oats	Snapbeans	Soybeans	Peas	Foxtail	Panicum	Johnsongrass	Sida	Cotton	Cucumber	Morningglory	Pigweed	Jimsonweed	Velvetleaf	Cocklebur	Sorghum	Shattercane	Corn
26.	FLEX	2E	0.25	MP	0	10	0	0	60	30	30	10	0	60	80	40	50	20	50	90	20	20	20
27.	DPX F6025	75DF	0.02	MP	20	0	90	20	90	30	30	40	60	80	80	90	90	90	90	100	70	70	60
28.	BENTAZON	4E	0.75	CDA MP	0	0	60	0	50	0	0	0	60	50	0	20	70	100	50	100	0	0	0
	+ OIL CONC.	OAD	1%																				
29.	BENTAZON	4E	0.75	FLAT FAN MP	0	0	6	20	30	0	0	0	100	50	0	100	100	100	70	100	0	0	0
	+ OIL CONC.	OAD	1%																				
30.	BENTAZON	4E	0.75	CDA MP	20	10	50	0	0	0	0	30	80	50	20	100	100	100	60	100	10	20	10
	+ SOY OIL	OAD	1%																				
31.	BENTAZON	4E	0.75	FLAT FAN MP	20	0	0	0	0	0	0	0	70	50	20	50	100	100	70	100	10	10	0
	+ SOY OIL	OAD	1%																				
32.	BENTAZON	4E	0.75	CDA MP	0	0	10	0	0	0	0	0	90	20	0	100	100	100	50	100	0	20	20
	+ SOY OIL	OAD	1%																				
33.	BENTAZON	4E	0.75	FLAT FAN MP	0	0	0	0	0	0	0	0	70	20	0	100	100	100	80	100	0	0	0
	+ SOY OIL	OAD	1%																				
34.	BENTAZON	4E	0.75	CDA MP	0	0	0	0	0	0	0	0	60	0	0	50	70	100	50	100	10	20	20
	+ SOY OIL	OAD	50%																				
35.	SETHOXYDIM	1.53E	0.2	CDA MP	0	50	0	0	0	80	100	100	0	0	0	0	0	0	0	0	90	90	90
	+ OIL CONC.	OAD	1%																				

X. SPECIES SCREENING STUDY (continued)

TRT. NO.	CHEMICAL	FORM	RATE	METH	Alfalfa	Oats	Snapbeans	Soybeans	Peas	Foxtail	Panicum	Johnsongrass	Sida	Cotton	Cucumber	Morningglory	Pigweed	Jimsonweed	Velvetleaf	Cocklebur	Sorghum	Shattercane	Corn
36.	SETHOXYDIM	1.53E	0.2	FLAT FAN MP	0	90	0	0	0	80	100	80	0	0	0	0	0	0	0	0	90	80	80
	+ OIL CONC.	OAD	1%																				
37.	SETHOXYDIM	1.53E	0.2	CDA MP	0	60	0	0	0	80	100	100	0	0	0	0	0	0	0	0	90	90	70
	+ SOY OIL	OAD	1%																				
38.	SETHOXYDIM	1.53E	0.2	FLAT FAN MP	30	50	0	0	0	70	100	90	0	0	0	0	0	0	20	10	80	90	100
	+ SOY OIL	OAD	1%																				
39.	SETHOXYDIM	1.53E	0.2	CDA MP	30	50	0	0	0	70	100	100	0	0	0	0	0	0	0	0	100	90	90
	+ SOY OIL	OAD	1%																				
40.	SETHOXYDIM	1.53E	0.2	FLAT FAN MP	0	80	0	0	0	60	100	100	0	0	0	0	0	0	0	0	90	80	80
	+ SOY OIL	OAD	1%																				
41.	SETHOXYDIM	1.53E	0.2	CDA MP	0	90	0	0	0	50	100	90	0	0	0	0	0	0	0	0	80	80	90
	+ SOY OIL	OAD	50%																				

LOCATION: Spindletop Farm
 DATED PLANTED: May 26, 1983
 DATE TREATED: PPI, PRE May 26, 1983
 DATE TREATED: MP June 21, 1983
 pH: 6.5
 O.M.: 6.5%
 DATES RATED: June 26, July 8, 1983

XI 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, 1984.

Name _____

Address _____

Phone _____

Firm _____

Type of Data Needed _____

Soybean Yields _____

Other _____

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