Herbicide Evaluation Trials - 1983

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(Not for Publication)

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

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I. EXPERIMENTAL TECHNIQUES

DESIGN: All treatments within an experiment were in a randomized complete block design with three or four replications per treatment. Each treated plot was two rows wide by twenty-five to forty feet in length depending on the experiment. An untreated row separated each plot except in the no-tillage studies.

APPLICATION: All treatments were applied with a hand-held boom sprayer pressurized by CO_2. Unless indicated otherwise, all treatments were applied at 25 GPA. Plots at the Lexington locations were incorporated with a power driven tiller, while at Princeton a tandem disk was used.

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

CULTIVATION: Plots were not cultivated except where indicated.

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

II. ABBREVIATIONS

A. Weed Species

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

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	
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 **********
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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	
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			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
SPINDLETOP	80	33	2.43	97	33	70	46	75	40	.42	22	18	7

III. 1983 Climatological Data, Lexington (continued)

		TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP
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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AVERAGES FOR PERIOD

SUMMARY ACCUMULATIONS FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
SPINDLETOP	82	63	73	93	52	75	64	83	63	3.39	6.98	673	7	239

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
SPINDLETOP	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 HI	GRASS LO	BARE HI	BARE 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	.38
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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SUMMARY

AVERAGES FOR PERIOD — ACCUMULATIONS FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
								*	*					
SPINDLETOP	91	69	80	93	44	82	71	88	72	1.03	9.41	847		472

EXTREMES FOR PERIOD

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

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SUMMARY

AVERAGES FOR PERIOD

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

ACCUMULATIONS FOR PERIOD

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
SPINDLETOP	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	
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	.18
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	.18
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 **********
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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
SPINDLETOP	81	59	70	93	40	73	62	79	62	.99	7.08	607	51	214

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
SPINDLETOP	96	36	.36	100	24	80	50	89	44	.39	31	13	21

III. 1983 Climatological Data, Princeton

		TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP
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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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO
PRINCETON	75	53	64	97	51	68	63		

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 DEG. MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	11.76		469	75	62

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 DEG. MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	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	
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	80	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

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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO
PRINCETON	85	62	74	98	49	78	72		

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	2.99	6.97*	693	5	268

EXTREMES FOR PERIOD

STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	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	
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			.30
PRINCETON	7/28/83	94	72	--	98	46	88	80			.29
PRINCETON	7/29/83	93	72	--	92	38	87	80			.37
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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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	AVG	HI	LO	GRASS		BARE				50	DEG.	DEG.
						HI	LO	HI	LO			MOD	DAYS	DAYS
PRINCETON	92	69	81	98	45	84	78							

ACCUMULATIONS FOR PERIOD

PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS
	*		
3.22	8.05	856	492

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	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	
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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SUMMARY

AVERAGES FOR PERIOD

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

ACCUMULATIONS FOR PERIOD

EXTREMES FOR PERIOD

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

CHEMICAL/COMMON	TRADE NAME	COMPANY
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
Ethalfluralin	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

CHEMICAL/COMMON	TRADE NAME	COMPANY
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, Atplus	
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 METH	JUNE 19 GRAS	JUNE 19 BBLE	JUNE 19 CRIN	JUNE 19 GIEI	JUNE 19 VELE	JUNE 19 COLQ	JULY 15 CRIN	JULY 15 GIEI	JULY 15 VELE	JULY 15 COLQ
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	2.50 L	2.50 LB/AC	PRE	100	100	0	100	100	100	0	95	92	100
4B	WITH ATRAZINE	1.50	1.50	PRE										
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	60	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 GRAS	JUNE 19 BRLE	JUNE 19 CRIN	JUNE 19 GIFT	JUNE 19 VELE	JUNE 19 COLQ	JULY 15 CRIN	JULY 15 GIFT	JULY 15 VELE	JULY 15 COLQ
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	2.00 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	6	5	8	19	8

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 260 N, 60 P, 60 K PH: 6.6 O.M.: 3.3%
DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PRE
VARIETY: PIONEER 3369A

Table 2: Corn Preemergence and Postemergence Supplement

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 GRAS	JUNE 30 BRLE	JUNE 30 CRIN	JUNE 30 GIFT	JUNE 30 RRPW	JULY 27 GRAS	JULY 27 BRLE	JULY 27 GIFT	JULY 27 RRPW
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
PH: 6.4 O.M.: 4.0%
DATE PLANTED: MAY 25
DATE TREATED: MAY 6 EPP
VARIETY: PIONEER 3369A
MAY 25 PRE
JUNE 7 EP
JUNE 23 POD

Table 3: Corn Preplant Incorporated

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 19 GRAS	JUNE 19 ABUT	JUNE 19 CRIN	JUNE 19 GIBI	JUNE 19 VELE	JUNE 19 COLU	JUNE 19 ILMG	JULY 15 CRIN	JULY 15 GIBI	JULY 15 VELE	JULY 15 COLU	JULY 15 ILMG
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	98	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 EC	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 + ?	6.70 EC	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 METH	JUNE 19 GRAS	JUNE 19 ABUT	JUNE 19 CRBN	JUNE 19 GIBI	JUNE 19 VELE	JUNE 19 COLB	JUNE 19 ILMB	JULY 15 GRAS	JULY 15 GIBI	JULY 15 VELE	JULY 15 COLB	JULY 15 ILMB
18A	BUTYLATE + 2	6.70 EC	4.00 LB/AC	PPI	92	80	0	92	55	95	55	0	68	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	58	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

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 5.6 O.M.: 3.3%
DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PPI & PRE
VARIETY: PIONEER 3369A MAY 25 2LF

Table 4: Corn Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 GRAS	JULY 5 BRLE	JULY 5 CRIN	JULY 5 GIFT	JULY 5 VELE	JULY 5 COLQ	JULY 29 CRIN	JULY 29 GIFT	JULY 29 VELE	JULY 29 COLQ
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	90	0	98	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	65	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	32	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	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	2.00 E	.38 LB/AC	MP										

Table 4: Corn Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 GRAS	JULY 5 BRLE	JULY 5 CRIN	JULY 5 GIEI	JULY 5 VELE	JULY 5 COLQ	JULY 29 CRIN	JULY 29 GIEI	JULY 29 VELE	JULY 29 COLQ
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	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 4D	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 4D	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 4D	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 4D	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	TRITON 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	TRITON AG 98 SURFACT	.00 NA	.13 %	POD										

Table 4: Corn Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 GRAS	JULY 5 BRLE	JULY 5 CRIN	JULY 5 GIFT	JULY 5 VELE	JULY 5 COLQ	JULY 29 CRIN	JULY 29 GIFT	JULY 29 VELE	JULY 29 COLQ
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	98	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	DOWCO 356	4.00 E	.50 LB/AC	MP										
33A	DOWCO 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	DOWCO 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	DOWCO 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	DOWCO 356	4.00 E	.50 LB/AC	EP	68	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	60	8	0	75	35
39	PPG 1259	3.00 FL	.20 LB/AC	2LF	0	92	10	0	100	85	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 GRAS	JULY 5 BRLE	JULY 5 CRIN	JULY 5 GIFT	JULY 5 VELE	JULY 5 COLU	JULY 29 CRIN	JULY 29 GIFT	JULY 29 VELE	JULY 29 COLU
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
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
DATE PLANTED: MAY 10
VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM
PH: 6.9 O.M.: 3.2%
DATE TREATED: MAY 10 PRE
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 METH	5/18 SOIL	5/20 SOIL	5/23 SOIL	5/25 SOIL	5/27 SOIL	5/31 SOIL
1A	ALACHLOR	4.00 ME	2.50 LB/AC	PRE	68	70	85	88	92	100
1B	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE						
1D	X-77 (SURFACTANT)	.50 VA	.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	PARAQUAT	2.00 E	.25 LB/AC	PRE						
2D	X-77 (SURFACTANT)	.50 VA	.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	HOE 561	1.78 E	.75 LB/AC	PRE						
5A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	18	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	65	70
11B	ATRAZINE	4.00 L	2.00 LB/AC	PRE						
11C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE						

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/18 SOIL	5/20 SOIL	5/23 SOIL	5/25 SOIL	5/27 SOIL	5/31 SOIL
12A	ATRAZINE	4.00 L	2.00	LB/AC PRE	30	38	48	58	70	80
12B	ALACHLOR	4.00 E	2.50	LB/AC PRE						
12C	GLYPHOSATE	4.00 E	2.00	LB/AC PRE						
				LSD(05):	9	7	7	8	9	5

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

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 24 GRAS	JUNE 24 BRLE	JUNE 24 CRIN	JUNE 24 SOKI	JULY 20 GRAS	JULY 20 BRLE	JULY 20 SOKI	JULY 20 LACG	JULY 20 BRBA
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)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 24 GRAS	JUNE 24 ABLE	JUNE 24 CRIN	JUNE 24 SUNF	JULY 20 GRAS	JULY 20 ABLE	JULY 20 SUNF
12A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	90	100	0	98	70	98	92
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	6	10

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.2 O.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 GRAS	JUNE 24 BRLF	JUNE 24 CRIN	JUNE 24 LACG	JUNE 24 BRDW	JULY 24 GRAS	JULY 24 BRLF	JULY 24 LACG	JULY 24 BRDW
1A	ALACHLOR	4.00	ME	2.50	LB/AC	PRE	80	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	65	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 GRAS	JUNE 24 BRLE	JUNE 24 CRIN	JUNE 24 LACG	JUNE 24 RRPW	JULY 24 GRAS	JULY 24 BRLE	JULY 24 LACG	JULY 24 RRPW
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	83	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	89	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 GRAS	JUNE 24 BRLF	JUNE 24 CRIN	JUNE 24 LACG	JUNE 24 RRPW	JULY 24 GRAS	JULY 24 BRLF	JULY 24 LACG	JULY 24 RRPW
22A	METALACHLOR + ATRAZI	6.00 L	4.50 LB/AC	PRE	90	100	0	90	100	60	95	60	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	DONCO 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	DONCO 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	DONCO 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	DONCO 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	DONCO 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 GRAS	JUNE 24 BKLE	JUNE 24 CRIN	JUNE 24 LAGG	JUNE 24 RRPW	JULY 24 GRAS	JULY 24 BKLE	JULY 24 LAGG	JULY 24 RRPW
32A	CP 55097	8.00 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	62	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	68	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	98	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.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METd	JUNE 24 GRAS	JUNE 24 BRLE	JUNE 24 CRIN	JUNE 24 LACG	JUNE 24 RRPW	JULY 24 GRAS	JULY 24 BRLE	JULY 24 LACG	JULY 24 RRPW
42A	ATRAZINE	4.00 L	1.50	LB/AC	PRE	52	100	0	52	100	18	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	13	17	13

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 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 METd	JUNE 10 GRAS	JUNE 10 BRLE	JUNE 10 CRIN	JUNE 10 LACG	JUNE 10 RRPW	JULY 12 GRAS	JULY 12 BRLE	JULY 12 LACG	JULY 12 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	38	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	35	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	38	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	28	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	38	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 GRAS	JUNE 10 BRLE	JUNE 10 CRIN	JUNE 10 LACG	JUNE 10 RRPW	JULY 12 GRAS	JULY 12 BRLE	JULY 12 LACG	JULY 12 RRPW
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 AD	200.00 GT/AC	PRE									
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	80	0	85	80	65	68	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 O.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 METH	---6/14 -- CRIN	YENS	---7/12 -- CRIN	YENS
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	2	72	2	72
1B	MBR 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	78	0	72
2B	MBR 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	8	75	2	70
3B	MBR 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	MBR 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	MBR 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	MBR 22359	2.00 E	2.50 LB/AC	PPI				
6C	PROTECT	.00 WA	1.00 %	SED				
			LSD(05):		NS	NS	NS	NS

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

Table 10: Corn—Yellow Nutsedge—No Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---5/14 -- CRIN	YENS	---7/12 -- CRIN	YENS
1	ALACHLOR	4.00 E	3.00	LB/AC	PRE	5	85	12	80
2	ALACHLOR	4.00 E	3.00	LB/AC	PPI	8	82	15	82
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):		8	14	8	11

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 2.4%
DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PPI
VARIETY: PIONEER 3369A MAY 10 PRE
JUNE 7 MP

Table 11: Soybean Preemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 23 GRAS	BRLE	CRIN	GIFT	VELE	COCK	ILOE	PESW
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	98	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	98	95	0	98	98	95	98	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	95	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	98	100	0	98	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 METH	JUNE 23 GRAS	ABLE	CRIN	GIET	VELE	COCK	TIME	PESW
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	NAMPA/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	NAMPA/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	30	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	SU 95481	7.00 EC	.75 LB/AC	PRE	92	82	5	92	98	88	88	72
30	SU 95481	7.00 EC	1.00 LB/AC	PRE	100	78	8	100	95	95	70	82
31A	SU 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	FOE 2696	2.00 EC	.45 LB/AC	PRE	70	80	0	70	90	70	82	80
33	FOE 2696	2.00 EC	.90 LB/AC	PRE	92	75	5	92	92	55	95	75
34	FOE 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	BRLE	CRIN	GIFT	VELE	COCK	TIME	PESN
35A	FOE 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	98	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 SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.3%
DATE PLANTED: MAY 11 DATE TREATED: MAY 11 PRE
VARIETY: WILLIAMS JUNE 23 MP

Table 12: Soybean Preemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 20 GRAS	BRLE	CRIN	GIFT	VELE	COCK	TIME	PERN
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	METRIBUZIN 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	92
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 METH	JULY 20 GRAS	BRLE	CRIN	GIFT	VELE	CORN	JIMS	PESW
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	NAMPA/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	NAMPA/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	68	78	82
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
28A	MBR 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	45	58	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	78	82	0	78	92	68	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	BARL	CRIN	GIFT	VELE	COCK	JIMS	PESW
35A	FOE 2696	2.00 EC	.45 LB/AC	PRE	48	75	0	48	98	95	50	85
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	50	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 O.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 METd	JUNE 23 GRAS	BRLE	CRIN	GIFI	VELE	COLJ	TIME	PESN
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 E	1.00 LB/AC	PPI	90	90	12	90	98	98	100	90
13B	PPG-844	2.00 E	.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 E	.20 LB/AC	EP								
15A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	90	90	0	90	99	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	GIFT	VELE	COCK	JIMS	PESW
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 E	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	82	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 E	1.25 LB/AC	PPI	90	82	2	90	82	92	88	78
29B	AC 214	75.00 DG	.13 LB/AC	MP								
29C	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP								

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 23 GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIMW	PESW
30A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	90	82	12	90	92	88	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	98	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	FOE 2696	2.00 EC	.45 LB/AC	PPI	72	28	8	72	100	28	22	30
37	FOE 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	COLJ	JIME	PESN
48A	AC 214	75.00 DG	.13	LB/AC PPI	99	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	99	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 METH	JULY 20 GRAS	BRLE	CRIN	GIEI	VELE	COLQ	JIWE	PESW
1A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	72	65	0	72	100	38	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	60	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 METH	JULY 20 GRAS	BRLE	CRIN	GIET	VELE	COCK	TIME	PESW
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 E	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	ABLE	CRIN	GIET	VELE	COLU	JIME	PESW
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	80	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 AG 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	68	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 METH	JULY 20 GRAS	BRLE	CRIN	GIET	VELE	COLQ	JIMF	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
				LSD(05):	15	21	11	15	15	28	24	23

LOCATION: SPINDLETOP
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
PH: 6.5 O.M.: 3.3%
DATE PLANTED: MAY 11
DATE TREATED: MAY 11 PPI & PRE
VARIETY: WILLIAMS
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	GIFI	VELE	COLQ	COCB	PESB
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	.25 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-844	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	GIFT	VELE	COCK	COCH	PESW
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	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	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	68	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	GIFT	VELE	COCL	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	68	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	65	78	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	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 METH	EVALUATED 4 WK AFTER APPLIED. GRAS	BRLE	CRIN	GIFT	VELE	CCLE	CUCB	PESN
35A	SETHOXYDIM	1.53 EC	.20	LB/AC	MP	98	2	2	98	8	0	5	0
35B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP								
36A	FLUAZIFOP BUTYL	4.00 E	.25	LB/AC	MP	95	5	0	95	5	0	10	0
36B	TRITON AG 98 SURFACT	.00 NA	.13	%	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	98	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	98	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	BRLE	CRIN	GIFT	VELE	COLQ	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	85	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	65	98	88
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	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 METH	EVALUATED 4 WK AFTER APPLIED. GRAS	ABLE	CRIN	GIFT	VELE	COLJ	COCH	PESW
60A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	68	20	95	88	58	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 NA	.13 %	LP								
63A	ALACHLOR	4.00 E	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 NA	.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 NA	.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: MAURY 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 +4D
JUNE 23 POD

Table 16: Soybean Postemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED -- CRIV	GIEI	VELE	COLQ	COCA	PESA
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						
1D	TRITON AG 98 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 98 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	82
6B	RH 4091	2.14 E	.25 LB/AC	MP						
6C	TRITON AG 98 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 98 SURFACT	.00 WA	.13 %	MP						
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	12	82	72	52	95	72
8B	PPG-844	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-844	2.00 E	.15 LB/AC	EP						
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	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	BENAZOLIN	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	COCS	PESM
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	18	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	18	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	18	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 -- CRIN	SIET	VELE	COLQ	COCB	PESN
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	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	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-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	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	18	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 -- CHLN	GLEI	VELE	COLQ	COCB	PESN
35A	SETHOXYDIM	1.53 EC	.20	LB/AC	MP	65	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	68	88	80	0	88	20
36B	TRITON AG 98 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	98
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	8	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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 8 WK AFTER APPLIED -- CRIV	GIFI	VELE	COLQ	CUCS	PESA
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	15
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 98 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 -- CRIV	GLEI	VELE	COLQ	COCS	PEBM
60A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	18	90	82	40	92	75
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	18	90	82	38	98	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	22	90	90	48	100	95
62B	ACIFLUORFEN 2	2.00 L	.50	LB/AC	LP						
62C	2,4-DB	2.00 E	.06	LB/AC	LP						
62D	SURFACTANT	.00 NA	.13	%	LP						
63A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	12	90	75	75	98	90
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	25	80	90	18	98	70
64B	TWEEN 20 (SURFACTANT	.00 WA	.25	%	MP						
65A	AC 214	75.00 DG	.25	LB/AC	MP	28	88	55	22	98	58
65B	TWEEN 20 (SURFACTANT	.00 WA	.25	%	MP						
66	CHECK (CULTIVATED)	.00 CK	.00			0	100	100	100	100	100
				LSD(05):		20	11	22	21	23	21

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.3%
DATE PLANTED: MAY 11 DATE TREATED: MAY 11 PRE
VARIETY: WILLIAMS 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	BRLE	CRIN	GIFT	VELE	CORN	JIMS	BREN	PESW
1A	ACIFLUORFEN	2.00 L	.50 LB/AC	MP	57	90	17	57	97	77	93	100	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	83	90	0	83	93	80	90	90	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	97	77	0	97	93	67	93	90	93
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	87	87	3	87	97	83	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	93	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	93	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	93	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-82725	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-82725	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-82725	2.00 EC	.38 LB/AC	MP	67	67	0	100	100	55	93	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	GIET	VELE	COCK	JIMW	KRCW	PESW
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)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 6 GRAS	BRLE	CRIN	GIFI	VELE	COLQ	JIMS	XREN	PESN
24A	BENTAZON	4.00 E	1.00 LB/AC	MP	80	87	3	80	97	83	87	93	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	93	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. (AIPLUS)	.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. (AIPLUS)	.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. (AIPLUS)	.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. (AIPLUS)	.00 AD	.50 QT/AC	MP									
33A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	87	83	0	87	100	83	90	90	100
33B	DUNCO 453	2.00 E	.10 LB/AC	MP									
33C	OIL CON. (AIPLUS)	.00 AD	.50 QT/AC	MP									
34A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	100	90	7	100	97	83	97	90	97
34B	HOE 33171	.75 EC	.20 LB/AC	MP									
34C	OIL CON. (AIPLUS)	.00 AD	.50 QT/AC	MP									
35A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	83	80	0	83	97	80	100	83	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 METH	JULY 6 GRAS	BRLE	CRIN	GIFT	VELE	COCL	JIMW	XRPW	PESW
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
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
PH: 6.5 O.M.: 3.3%
DATE PLANTED: MAY 11
DATE TREATED: JUNE 6 MP & SEQ
VARIETY: WILLIAMS
JUNE 13 +1W
JUNE 23 LLP

Table 18: Soybean Postemergence II—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUGUST 11 GRAS	BRLE	CRIN	GIFT	VELE	COCK	XANW	PESW
1A	ACIFLUORFEN	2.00 L	.50	LB/AC	MP	53	87	3	53	97	80	93	100
1B	DUNCO 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	DUNCO 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	60	90	97
3B	DUNCO 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	93	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	83	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	73	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	83	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	83	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	83	77	3	83	90	77	83	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	3	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	93	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 METH	AUGUST 11 GRAS	ABLE	CRIN	GIFT	VELE	COCK	XANT	PESW
13A	CGA-82725	2.00 EC	.12 LB/AC	MP	50	83	0	50	97	87	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	80	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	55	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	BRLE	CRIN	GIFI	VELE	CJLE	RAPH	PESW
24A	BENTAZON	4.00 E	1.00 LB/AC	MP	67	83	3	67	97	95	95	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. (AIPLUS)	.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. (AIPLUS)	.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. (AIPLUS)	.00 AD	.40 QT/AC	MP								
32A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	37	77	10	40	87	67	85	100
32B	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	MP								
32C	OIL CON. (AIPLUS)	.00 AD	.50 QT/AC	MP								
33A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	83	73	0	83	97	70	85	100
33B	DOWCO 453	2.00 E	.10 LB/AC	MP								
33C	OIL CON. (AIPLUS)	.00 AD	.50 QT/AC	MP								
34A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	90	83	0	90	93	77	90	95
34B	HOE 33171	.75 EC	.20 LB/AC	MP								
34C	OIL CON. (AIPLUS)	.00 AD	.50 QT/AC	MP								
35A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	77	50	0	77	87	50	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	CRIN	GIEI	VELE	COCK	BREW	PESW
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	BRLE	CRIN	GIFI	VELE	COCK	JIMS	PERN
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	87	0	87	83	77	95	100
1B	MANPA/DN	3.00 E	1.50 LB/AC	MP								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	70	3	83	73	65	97	70
2B	MANPA/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	MANPA/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	MANPA/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	MANPA/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	MANPA/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	MANPA/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	MANPA/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	MANPA/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	MANPA/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	MANPA/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	85	77
12B	MANPA/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	MANPA/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	65	100	75
14B	MANPA/DN	3.00 E	1.50 LB/AC	LP								
14C	ACIFLUORFEN	2.00 L	.12 LB/AC	LP								

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK AFTER APPLIED GRAS	BRLE	CRIN	GIFI	VELE	COCL	JIME	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	20D								
16C	NAPTALAM	2.00 EC	1.00 LB/AC	20D								
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	40D								
17C	NAPTALAM	2.00 EC	1.00 LB/AC	40D								
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	60D								
18C	NAPTALAM	2.00 EC	1.00 LB/AC	60D								
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 PT/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	40D								
25C	NAPTALAM	2.00 EC	1.00 LB/AC	40D								
25D	2,4-DB	2.00 E	.03 LB/AC	40D								

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 4 WK AFTER APPLIED GRAS	BRLE	CRIN	GIFT	VELE	CORN	SOYB	PESN
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	40D								
26C	NAPTALAM	2.00 EC	1.00 LB/AC	40D								
26D	2,4-DB	2.00 E	.04 LB/AC	40D								
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	60D								
27C	NAPTALAM	2.00 EC	1.00 LB/AC	60D								
27D	2,4-DB	2.00 E	.03 LB/AC	60D								
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	60D								
28C	NAPTALAM	2.00 EC	1.00 LB/AC	60D								
28D	2,4-DB	2.00 E	.04 LB/AC	60D								
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	63	27	77	77	83	90	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	80	63	33	80	77	65	80	65
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	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	55	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	93	0	0	97	100	100	97
36B	OIL CON. (AIPLUS)	.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 METH	EVALUATED 4 WK AFTER APPLIED GRAS	BRLE	CRIN	GIFI	VELE	COLJ	JIME	PESM
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
PH: 6.5 O.M.: 3.3%
DATE PLANTED: MAY 11
DATE TREATED: MAY 11 PRE
VARIETY: WILLIAMS
MAY 26 UN
JUNE 2 EP & 20D

JUNE 7 1TR & MP
JUNE 10 LP
JUNE 21 3TR & 40D
JULY 1 5TR
JULY 8 R1
JULY 12 60D
JULY 25 R3

Table 20: Soybean Postemergence III—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK AFTER APPLIED GRAS	BRLE	CRIN	GIFT	VELE	COCK	TIME	PESW
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	80	7	80	83	67	90	95
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	67	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-DB	2.00 E	.03 LB/AC	3TR								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	63	50	0	70	67	5	93	87
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	77	80	13	77	83	90	93	75
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	ON								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	70	17	70	90	80	75	87
11B	NANPA/DN	3.00 E	1.50 LB/AC	ON								
11C	2,4-DB	2.00 E	.03 LB/AC	ON								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	70	17	83	83	67	80	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	60	77	20	60	93	75	93	67
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	57	20	80	83	40	97	70
14B	NANPA/DN	3.00 E	1.50 LB/AC	LP								
14C	ACIFLUORFEN	2.00 L	.12 LB/AC	LP								

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK AFTER APPLIED GRAS	BRLE	CRIN	GIFT	VELE	COCK	TIME	PESW
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	75
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	55	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-DB	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-DB	2.00 E	.03 LB/AC	MP								
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	63	13	83	90	90	77	65
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	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	95	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 QT/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-DB	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	GIET	VELE	COCK	JIMS	PESW
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	40D								
26C	NAPTALAM	2.00 EC	1.00 LB/AC	40D								
26D	2,4-DB	2.00 E	.04 LB/AC	40D								
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	60D								
27C	NAPTALAM	2.00 EC	1.00 LB/AC	60D								
27D	2,4-DB	2.00 E	.03 LB/AC	60D								
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	60D								
28C	NAPTALAM	2.00 EC	1.00 LB/AC	60D								
28D	2,4-DB	2.00 E	.04 LB/AC	60D								
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. (AIPLUS)	.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	BRLE	CKIN	GIFT	VELE	CORN	JIMW	PERW
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 O.M.: 3.3%
DATE TREATED: MAY 11 PRE
MAY 26 ON
JUNE 2 EP & 2OD

JUNE 7 1TR & MP
JUNE 10 LP
JUNE 21 3TR & 40D
JULY 1 5TR
JULY 8 R1
JULY 12 6OD
JULY 25 R3

Table 21: Soybean Postemergence IV—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED -- CRIV	GIEI	COLQ	VELE	JIMF	COCA
1A	ALACHLOR	4.00 E	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 E	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	PRE	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 E	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 E	2.50 LB/AC	PRE	60	93	57	80	97	67
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 ID.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED -- CRIN	GIEI	COLQ	VELE	JIME	COCI
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 35 (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 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	53	100	43	97	77	97
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	30	43	37	100	100	83
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	43	87	53	100	73	57
16B	SETHOXYDIM	1.53 EC	.12 LB/AC	MP						
16C	ACIFLUORFEN	2.00 L	.25 LB/AC	MP						
16D	XN 35 (SURFACTANT)	.00 WA	.50 %	MP						
17A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	33	90	17	80	100	57
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	50	90	43	83	100	63
18B	SETHOXYDIM	1.53 EC	.19 LB/AC	MP						
18C	ACIFLUORFEN	2.00 L	.25 LB/AC	MP						
18D	XI 35 (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 -- CRIN	GIFI	COLQ	VELE	JIME	COCA
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	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	3	97	50	53	100	87
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	MON 0139 4	5.00 E	.03 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	53	17
28A	MON 0139 4	5.00 E	.03 LB/AC	2TR	27	20	13	33	67	33
28B	ACIFLUORFEN	2.00 L	.13 LB/AC	2TR						
28C	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR						
29A	MON 0139 4	5.00 E	.05 LB/AC	2TR	20	57	33	100	100	17
29B	ACIFLUORFEN	2.00 L	.13 LB/AC	2TR						
29C	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR						
30A	MON 0139 4	5.00 E	.06 LB/AC	2TR	23	57	23	33	100	33
30B	ACIFLUORFEN	2.00 L	.13 LB/AC	2TR						
30C	TRITON AG 98 SURFACT	.00 WA	.13 %	2TR						
			LSD(05):		12	14	40	46	NS	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

JUNE 9 +3D
JUNE 10 2TR & LP

SOIL TYPE: MAURY SILT LOAM
PH: 5.9 O.M.: 2.3%
DATE TREATED: MAY 11 PRE
MAY 26 EP
JUNE 5 MP

Table 22: Soybean Postemergence IV—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	EVALUATED 8 WK AFTER APPLIED GRAS	BRLE	CRIN	VELE	COLB	JIMS	CUCB	BRFN
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	33	0	20	47	50	30	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	60	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	95	75	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	95	55	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	BRLE	CRIN	VELE	COLQ	JIMS	COCK	BREN
10A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	77	50	20	17	53	75	87	100
10B	MEFLUIDIDE	2.00 S	.10	LB/AC	LP								
10C	ACIFLUORFEN	2.00 L	.25	LB/AC	LP								
10D	AN 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	85
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	60	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	AN 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	AN 36 (SURFACTANT)	.00 WA	.50	%	MP								
17A	MEFLUIDIDE	2.00 S	.10	LB/AC	MP	90	27	13	33	0	65	45	87
17B	SETHOXYDIM	1.53 EC	.19	LB/AC	MP								
17C	ACIFLUORFEN	2.00 L	.38	LB/AC	MP								
17D	AN 35 (SURFACTANT)	.00 WA	.50	%	MP								
18A	MEFLUIDIDE	2.00 S	.10	LB/AC	MP	87	50	27	87	20	100	87	93
18B	SETHOXYDIM	1.53 EC	.19	LB/AC	MP								
18C	ACIFLUORFEN	2.00 L	.25	LB/AC	MP								
18D	AN 35 (SURFACTANT)	.00 WA	.50	%	MP								

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL. METH	EVALUATED 8 WK AFTER APPLIED							
						GRAS	BRLE	CRIN	VELE	COLB	JIMS	COLB	BREA
19A	MBR 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	MBR 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	MBR 22359	2.00 E	2.00	LB/AC	PRE	47	77	3	63	87	17	93	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	60	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	MON 0139 4	5.00 E	.03	LB/AC	2TR	47	27	7	33	0	33	67	67
26	MON 0139 4	5.00 E	.05	LB/AC	2TR	53	13	10	0	0	100	67	100
27	MON 0139 4	5.00 E	.06	LB/AC	2TR	57	20	7	0	0	97	67	85
28A	MON 0139 4	5.00 E	.03	LB/AC	2TR	37	27	10	0	20	100	67	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	MON 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	.15 % 2TR								
30A	MON 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	.15 % 2TR								
			LSD(05):	21	29	12	60	43	49	55	39

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY 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 MP

JUNE 9 +3D
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 -- GRAS	ABLE	CRIN	GIFT	COLQ	RRPW	---EVALUATED 8 WK AFTER APPLIED -- GRAS	ABLE	CRIN	GIFT	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	30	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 98 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 98 SURFACT	.00 WA	.13 %	EP												
7A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	95	75	10	98	85	65	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 E	.20 LB/AC	EP	82	70	8	82	78	75	72	62	0	72	68	72
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	100	65	18	100	80	60	100	50	50	100	65	45
12B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
12C	BENTAZON	4.00 E	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 -- GRAS	BRLE	CRIN	GIEI	COLQ	RRPN	---EVALUATED 8 WK AFTER APPLIED -- GRAS	BRLE	CRIN	GIEI	COLQ	RRPN
13A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	93	88	40	92	92	90	80	75	5	80	82	73
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	DOWCO 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	DOWCO 453	2.00 E	.13 LB/AC	MP	100	82	8	100	90	95	100	75	0	100	85	60
16B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
16C	BENTAZON	4.00 E	1.00 LB/AC	MP												
17A	DOWCO 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	DOWCO 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 6202	.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 6202	.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	98	92	85	2	92	85	100
21B	PPG-844	2.00 E	.15 LB/AC	EP												
22A	PPG-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(05):		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 PH: 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 24: Soybean Preemergence and Postemergence—30" Row Spacing

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED -- GRAS	BRLE	CRIN	GIFT	COCK	RRPN	---EVALUATED 8 WK AFTER APPLIED -- GRAS	BRLE	CRIN	GIFT	COCK	RRPN
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	98	90	2	98	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	98	95	12	98	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	98	90	8	98	92	100	95	90	0	98	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	98	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	98	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	98	88	0	98	98	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	98	58	20	98	58	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	88	72	0	88	80	72	68	62	0	68	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	85	5	95	88	95	92	70	8	95	75	98
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	4 WK AFTER APPLIED: GRAS	BRLE	CRIN	GIEI	COLQ	RRPW	8 WK AFTER APPLIED: GRAS	BRLE	CRIN	GIEI	COLQ	RRPW
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	DUNCO 453	2.00 E	.06	LB/AC	EP	95	85	2	92	88	88	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	DUNCO 453	2.00 E	.13	LB/AC	MP	100	78	0	100	80	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	DUNCO 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	DUNCO 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 6202	.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	80	92	22	100
20B	Y 6202	.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	60	60	2	70	60	100
22B	SETHOXYDIM	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	9	16	11	8	16	14

LOCATION: SPINDLETOP FARM — SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K — PH: 6.0 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 CRTN	JUNE 27 GIEI	JUNE 27 COLN	JUNE 27 ILMG
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	NAMPAZON	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	NAPTALAM	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	28	95	100	98
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	NAMPAZON	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 CRIN	JUNE 27 GICI	JUNE 27 COLQ	JUNE 27 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 98 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	VANPAZON	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 98 SURFACT	.00 WA	.13 %	EP				
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	15	90	88	70
20B	VANPAZON	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 98 SURFACT	.00 WA	.13 %	EP				

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JUNE 27 CRIN	JUNE 27 GIEL	JUNE 27 CULQ	JUNE 27 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	NAPPA/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	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	20	100	100	70
28B	LINURON	4.00 L	1.00	LB/AC	PRE				
28C	NAPPA/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	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	15	100	70	62
31B	NAPPA/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	ACIFLUORFEN	2.00 L	.38	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	ACIFLUORFEN	2.00 L	.50	LB/AC	MP				

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

TRT ID.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 27 CRIN	JUNE 27 GIFI	JUNE 27 COLQ	JUNE 27 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	DOWCO 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	DOWCO 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	DOWCO 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	DOWCO 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 NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JUNE 27 CRIN	JUNE 27 GIEI	JUNE 27 COLN	JUNE 27 ILMO
45A	DICLOFOP METHYL	3.00 E	1.00	LB/AC	EP	0	95	92	30
45B	X-77 (SURFACTANT)	.50 NA	.25	%	EP				
45C	METRIBUZIN	75.00 DF	.50	LB/AC	PRE				
46A	DICLOFOP METHYL	3.00 E	1.00	LB/AC	EP	0	90	100	30
46B	X-77 (SURFACTANT)	.50 NA	.25	%	EP				
46C	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 — PH: 6.6 O.M.: 3.3%
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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUG 17 CRTY	AUG 17 GLEI	AUG 17 COLN	AUG 17 ILMG
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 98 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				
8C	VANPAZON	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	VAPTALAM	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	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-DB	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-DB	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	VANPAZON	3.00	E	2.25	LB/AC	LP				
12D	2,4-DB	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 CRIN	AUG 17 GIFI	AUG 17 COLQ	AUG 17 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	.38	LB/AC	EP				
15D	TRITON AG 98 SURFACT	.00 WA	.13	%	EP				
16A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	68	92	22
16B	LINURON	4.00 L	1.00	LB/AC	PRE				
16C	VANPA/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	.38	LB/AC	EP				
19C	TRITON AG 98 SURFACT	.00 WA	.13	%	EP				
20A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	88	78	52
20B	VANPA/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	.38	LB/AC	EP				
23D	TRITON AG 98 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 CRTV	AUG 17 GIEI	AUG 17 COLQ	AUG 17 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 METH	AUG 17 CRIN	AUG 17 GIEI	AUG 17 COLO	AUG 17 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: SPINDLETOP FARM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
DATE PLANTED: MAY 12
VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
PH: 6.6 O.M.: 3.3%
DATE TREATED: MAY 12 PRE
JUNE 6 EP
JUNE 10 MP

JUNE 21 LP

Table 27: Soybean Preemergence Tolerance

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	6/01 CRIN	6/08 CRIN	6/15 CRIN	6/22 CRIN	6/22 ILMG	6/22 COLI	7/20 CRIN	7/20 COLI
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	8	12	18	90	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 SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 3.1%
DATE PLANTED: MAY 26 DATE TREATED: MAY 26 PRE
VARIETY: WILLIAMS

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AAA CRIN	AAA CULD	AAA BLNS	BBB CRIN	BBB 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 98 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 CRIN	AAA COLW	AAA BLNS	BBB CRIN	BBB 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 O.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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	6/24 CRIN	6/24 CULQ	6/24 BLNS	7/19 CRIN	7/19 BLNS
1	ALACHLOR	4.00 E	3.00	LB/AC	PPI	0	50	83	10	60
2	ALACHLOR	4.00 E	4.00	LB/AC	PPI	7	63	83	33	57
3	METOLACHLOR	8.00 E	3.00	LB/AC	PPI	10	63	90	13	67
4	METOLACHLOR	8.00 E	4.00	LB/AC	PPI	17	73	97	13	73
5A	ALACHLOR	4.00 E	2.50	LB/AC	PPI	30	93	97	20	100
5B	ACIFLUORFEN	2.00 L	.50	LB/AC	MP					
5C	TRITON AG 98 SURFACT	.00 WA	.13	%	MP					
6A	METOLACHLOR	8.00 E	2.50	LB/AC	PPI	30	100	100	20	100
6B	ACIFLUORFEN	2.00 L	.50	LB/AC	MP					
6C	TRITON AG 98 SURFACT	.00 WA	.13	%	MP					
7A	METOLACHLOR	8.00 E	2.50	LB/AC	PPI	10	100	100	7	93
7B	LINURON	4.00 L	1.00	LB/AC	PRE					
8A	ALACHLOR	4.00 E	2.50	LB/AC	PPI	10	100	97	10	93
8B	LINURON	4.00 L	.75	LB/AC	PRE					
8C	DPX F6025	75.00 DF	.03	LB/AC	PRE					
9A	METOLACHLOR	8.00 E	2.50	LB/AC	PPI	3	73	77	10	57
9B	METRIBUZIN 2	4.00 L	.38	LB/AC	PRE					
10A	TRIFLURALIN	4.00 E	1.00	LB/AC	PPI	10	100	100	10	93
10B	ALACHLOR	4.00 E	2.00	LB/AC	PRE					
10C	LINURON	4.00 L	1.00	LB/AC	PRE					
11A	TRIFLURALIN	4.00 E	1.00	LB/AC	PPI	30	100	97	17	83
11B	ACIFLUORFEN	2.00 L	.50	LB/AC	MP					
12A	TRIFLURALIN	4.00 E	1.00	LB/AC	PPI	20	97	97	17	80
12B	ALACHLOR	4.00 E	2.50	LB/AC	PRE					
13A	TRIFLURALIN	4.00 E	1.00	LB/AC	PPI	17	97	77	13	53
13B	ALACHLOR	4.00 E	2.50	LB/AC	PPI					
14A	TRIFLURALIN	4.00 E	1.00	LB/AC	PPI	33	100	100	13	87
14B	ACIFLUORFEN	2.00 L	.50	LB/AC	MP					
14C	TRITON AG 98 SURFACT	.00 WA	.13	%	MP					
15A	TRIFLURALIN	4.00 E	1.00	LB/AC	PPI	10	97	50	23	53
15B	ACIFLUORFEN	2.00 L	.50	LB/AC	LP					
15C	OIL CONCENTRATE	.00 AD	.50	QT/AC	LP					

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

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	6/24 CRIN	6/24 COLQ	6/24 BLNS	7/19 CRIN	7/19 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
				LSD(05):	9	11	16	NS	23

LOCATION: SPINDLETOP FARM
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
PH: 6.4 O.M.: 2.4%
DATE PLANTED: MAY 12
DATE TREATED: MAY 12 PPI & PRE
VARIETY: WILLIAMS
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	COCL	JIML
1	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	68	0	92	45	65	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	68	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 SOIL TYPE: LANTON
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.9 O.M.: 3.2%
DATE PLANTED: MAY 12 DATE TREATED: MAY 12 PPI & PRE
VARIETY: WILLIAMS JUNE 6 +2W

Table 31: Soybean—Velvetleaf—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 15 GRAS	BRLE	CKIN	GIFT	VELE	COCK	TIME
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	35
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	55
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	30
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	25
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	35
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	15	19

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 METH	---6/14 -- CRIN	YENS	---7/12 -- 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	OIL 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	FOE 2696	2.00 EC	.45 LB/AC	PRE	8	52	15	40
17	FOE 2696	2.00 EC	.90 LB/AC	PRE	18	62	12	55
18	FOE 2696	2.00 EC	1.34 LB/AC	PRE	22	65	20	58
19	FOE 2696	2.00 EC	.45 LB/AC	PPI	20	58	20	58
20	FOE 2696	2.00 EC	.90 LB/AC	PPI	35	68	25	65
21	FOE 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 -- CRIN	YENS	---7/12 -- CRIN	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 METH	----6/9 -- CRIV	PESW	---6/17 -- CRIN	PESW	---7/25 -- CRIV	PESW
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	NS	NS

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.5 O.M.: 1.5%
DATE PLANTED: MAY 25 DATE TREATED: PRE MAY 25
VARIETY: WILLIAMS

Table 34: Soybean Tolerance to Bladex

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 PESN	JUNE 30 EAPA	JUNE 30 GRAS	JUNE 30 ABLE	JULY 25 PESN	JULY 25 EAPA	JULY 25 GRAS	JULY 25 ABLE
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	LINURON	4.00 L	.75 LB/AC	PRE								
9A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	7	57	67	30	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: PRINCETON
SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
PH: 5.6 O.M.: 1.5%
DATE PLANTED: MAY 20
DATE TREATED: EPP APRIL 21
PRE MAY 20
POD JUNE 20
VARIETY: WILLIAMS

Table 35: No-Tillage Soybeans

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUGUST 9 LACS	AUGUST 9 GRAS	AUGUST 9 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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 9 LACG	AUGUST 9 GRAS	AUGUST 9 PESW
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-844	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	98	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	98	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	98	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	98	92	98
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	98	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 METH	AUGUST 9 LACS	AUGUST 9 GRAS	AUGUST 9 PESW
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	DOWCO 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 BROAD LVCS	AUGUST 9 GRAS	AUGUST 9 PESW
32A	PPG-844	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-844	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	58
40B	LINURON	4.00 L	1.00	LB/AC	PRE			
40C	PENDIMETHALIN	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 LACS	AUGUST 9 GRAS	AUGUST 9 PESW
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 %	PRE			
44A	SETHOXYDIM	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	AUGUST 9 GRAS	AUGUST 9 PESW
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-82725	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-82725	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-82725	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 LARG	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 PH: 6.2 O.M.: 2.3%
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 METH	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	30	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 CRLY
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
SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
PH: 6.5 O.M.: 1.3%
DATE PLANTED: JULY 5
DATE TREATED: JULY 18 2TR
JULY 30 STR
VARIETY: ESSEX

Table 37: Johnsongrass in Soybeans Preemergence and Preplant Incorporated

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA -- CRIN	JOGR	----BBB -- CRIN	JOGR
1	AC 214	75.00 DG	.13 LB/AC	PPI	0	58	0	5
2	AC 214	75.00 DG	.25 LB/AC	PPI	0	62	0	25
3	AC 214	75.00 DG	.38 LB/AC	PPI	0	95	5	80
4A	AC 214	75.00 DG	.13 LB/AC	PPI	0	70	0	65
4B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI				
5A	AC 214	75.00 DG	.25 LB/AC	PPI	0	72	0	65
5B	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI				
6A	AC 214	75.00 DG	.13 LB/AC	MP	0	0	0	22
6B	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
7A	AC 214	75.00 DG	.25 LB/AC	MP	0	18	0	65
7B	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
8A	AC 214	75.00 DG	.38 LB/AC	MP	0	0	0	88
8B	TWEEN 20 (SURFACTANT	.00 WA	.25 %	MP				
9	AC 214	75.00 DG	.13 LB/AC	PRE	0	78	0	40
10	AC 214	75.00 DG	.25 LB/AC	PRE	0	85	0	78
11	AC 214	75.00 DG	.38 LB/AC	PRE	2	95	2	85
12A	AC 214	75.00 DG	.13 LB/AC	PRE	0	78	0	38
12B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
13A	AC 214	75.00 DG	.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 DG	.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 DG	.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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA -- CRIN	JOGR	----BBB -- 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 SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 5.7 O.M.: 1.1%
DATE PLANTED: MAY 26 DATE TREATED: MAY 26 PPI & PRE
VARIETY: WILLIAMS JUNE 23 MP
'AAA'-EVALUATED 4 WK AFTER APPLIED
'BBB'-EVALUATED 8 WK AFTER APPLIED

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	63	0	50
1B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	EP				
2A	SC 1084	.00	.50		MP	0	97	0	97
2B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
3A	HOE 33171	.75 EC	.15	LB/AC	MP	0	77	0	90
3B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
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	93	0	90
4B	BENTAZON	4.00 E	1.00	LB/AC	MP				
4C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
5A	HOE 33171	.75 EC	.15	LB/AC	LLP	0	0	3	63
5B	ACIFLUORFEN	2.00 L	.50	LB/AC	LLP				
5C	OIL CONCENTRATE	.00 AD	.50	QT/AC	LLP				
6A	HOE 33171	.75 EC	.20	LB/AC	LLP	0	0	3	67
6B	ACIFLUORFEN	2.00 L	.50	LB/AC	LLP				
6C	OIL CONCENTRATE	.00 AD	.50	QT/AC	LLP				
7A	HOE 33171	.75 EC	.15	LB/AC	LLP	0	0	3	57
7B	BENTAZON	4.00 E	.75	LB/AC	LLP				
7C	ACIFLUORFEN	2.00 L	.38	LB/AC	LLP				
7D	OIL CONCENTRATE	.00 AD	.50	QT/AC	LLP				
8A	HOE 39866	1.78 EC	.75	LB/AC	PRE	0	0	0	97
8B	METRIBUZIN 1	4.00 F	.38	LB/AC	PRE				
8C	HOE 33171	.75 EC	.20	LB/AC	LLP				
8D	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LLP				
9A	HOE 33171	.75 EC	.15	LB/AC	LLP	0	0	0	83
9B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LLP				
10A	HOE 39866	1.78 EC	.75	LB/AC	PRE	0	0	0	73
10B	HOE 33171	.75 EC	.15	LB/AC	LLP				
10C	BENTAZON	4.00 E	.75	LB/AC	LLP				
10D	ACIFLUORFEN	2.00 L	.38	LB/AC	LLP				
10E	OIL CONCENTRATE	.00 AD	.50	QT/AC	LLP				
11A	BENTAZON	4.00 E	1.00	LB/AC	MP	0	47	0	30
11B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
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 NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA -- CRIN	JOGR	----BBB -- CRIN	JOGR
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 METH	----AAA -- CRIN	JOGR	----BBB -- CRIN	JOGR
24A	DUNCO 453	2.00 E	.12	LB/AC	LP	0	95	0	100
24B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LP				
25A	DUNCO 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 -- CRIN	JOGR	----BBB -- CRIN	JOGR
37A	MEFLUIDIDE	2.00 S	.20 LB/AC	MP	0	63	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)	.00 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	.00 AD	1.00 QT/AC	MP				
42A	MEFLUIDIDE	2.00 S	.10 LB/AC	MP	0	93	0	83
42B	SETHOXYDIM	1.53 EC	.15 LB/AC	MP				
42C	OIL CONCENTRATE	.00 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 56 (SURFACTANT)	.00 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	.00 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	.00 AD	.50 QT/AC	MP				

Table 38: Johnsongrass in Soybeans Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AAA -- CRIN	JOGR	----BBB -- CRIN	JOGR
46A	ACIFLUORFEN 2	2.00 L	.50 LB/AC	MP	0	93	0	97
46B	DONCO 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 O.M.: 1.3%
DATE PLANTED: MAY 25 DATE TREATED: MAY 25 PRE
VARIETY: WILLIAMS JUNE 16 EP
JUNE 23 MP

JUNE 26 +3D
JUNE 27 +4D
JUNE 30 LP
JULY 13 +3W
JULY 19 +4W
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 CRIN	7/14 JOGR	8/5 CRIN	8/5 JOGR	8/11 CRIN	8/11 JOGR	9/3 CRIN	9/3 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	62	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	62	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	5	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 METH	7/14 CRIN	7/14 JUGR	8/5 CRIN	8/5 JUGR	8/11 CRIN	8/11 JUGR	9/8 CRIN	9/8 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 %	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 %	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	6	16

LOCATION: PRINCETON, KY. SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.6 O.M.: 1.9%
DATE PLANTED: JULY 6 DATE TREATED: JULY 7 PRE
VARIETY: ESSEX 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 CRIN	6/24 COCB	7/24 CRIN	7/24 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	37	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	63	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	6/24 CRIN	6/24 COCB	7/24 CRIN	7/24 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 METH	6/24 CRIN	6/24 COCB	7/24 CRIN	7/24 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 CRIV	5/24 COCB	7/24 CRIN	7/24 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	UBI 1484	2.00 L	1.50	LB/AC	LP	0	0	0	67
45B	X-77 (SURFACTANT)	.50 WA	.50	%	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	%	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	53	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	50	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	53
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	.05	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	40D				
57C	NAPTALAM	2.00 EC	1.00	LB/AC	40D				
57D	2,4-DB	2.00 E	.03	LB/AC	40D				

Table 40: Cocklebur Control in Soybeans (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	6/24 CRIN	6/24 COCB	7/24 CRIN	7/24 COCB
58A	METOLACHLOR	8.00 E	2.50	LB/AC	PRE	0	0	0	53
58B	CHLORAMBEN	75.00 DS	2.25	LB/AC	40D				
58C	NAPTALAM	2.00 EC	1.00	LB/AC	40D				
58D	2,4-DB	2.00 E	.05	LB/AC	40D				
59A	METOLACHLOR	8.00 E	2.50	LB/AC	PRE	0	0	0	0
59B	CHLORAMBEN	75.00 DS	1.80	LB/AC	65D				
59C	NAPTALAM	2.00 EC	1.00	LB/AC	65D				
59D	2,4-DB	2.00 E	.03	LB/AC	65D				
60A	METOLACHLOR	8.00 E	2.50	LB/AC	PRE	0	0	0	0
60B	CHLORAMBEN	75.00 DS	2.25	LB/AC	65D				
60C	NAPTALAM	2.00 EC	1.00	LB/AC	65D				
60D	2,4-DB	2.00 E	.05	LB/AC	65D				
61A	FLEX	2.00 E	.12	LB/AC	MP	7	40	0	7
61B	OIL CONCENTRATE	.00 AD	.50	QT/AC	MP				
62A	FLEX	2.00 E	.25	LB/AC	MP	3	63	0	3
62B	OIL CONCENTRATE	.00 AD	.50	QT/AC	MP				
63A	FLEX	2.00 E	.30	LB/AC	MP	7	83	0	0
63B	OIL CONCENTRATE	.00 AD	.50	QT/AC	MP				
64A	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: PRINCETON
SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
PH: 6.4 O.M.: 1.3%
DATE PLANTED: MAY 25
DATE TREATED: MAY 24 PPI
VARIETY: WILLIAMS
MAY 25 PRE
JUNE 10 UN & EP

JUNE 14 1TR & V2
JUNE 17 MP
JUNE 20 2TR
JUNE 30 LP, 5TR & 40D
JULY 29 65D

Table 41: Preplant Incorporated Nozzle Comparison—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIN	GIEI	VELE	COLO	JIME	COCI	BLNS	PESN	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	95	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
CDA = 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	GIFI	COLQ	JIME	BLNS	PERN	IAMG
1A	PENDIMETHALIN 4.5 CD	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	78	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	78	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 P-I: 6.1 O.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 -- CRTN	BLNS	---7/19 -- CRTN	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
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
PH: 6.5 O.M.: 3.0%
DATE PLANTED: MAY 25
DATE TREATED: MAY 25 PPI
JULY 5 MP
VARIETY: WILLIAMS
CDA = 4.5 GPA
FF2 = 8002 TIP @ 12.5 GPA
FF4 = 8004 TIP @ 25.0 GPA

Table 44: Burley Tobacco—Soil and Postemergence Applied Herbicides

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---EVALUATED 4 WK AFTER APPLIED -- GRAS	BRLE	CRIN	COLQ	RRPW	BLWS
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
4B	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	60
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	RRPW	BLNS
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
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K
PH: 6.5 O.M.: 3.0%
DATE PLANTED: JUNE 17
DATE TREATED: JUNE 17 PPI
VARIETY: BURLEY TOBACCO
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
	+ ALGAR 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
	+ ALGAR 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
	+ ALGAR 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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