Herbicide Evaluation Trials - 1982

C. H. Slack and W. W. Witt

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

(Not for Publication)

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

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CONTENTS

I. EXPERIMENTAL TECHNIQUES

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

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

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

CULTIVATION: Plots were not cultivated except where indicated.

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

II. ABBREVIATIONS

A. Weed Species Abbreviations

ABB.	Common Name	Scientific Name
BLNS	Eastern Black Nightshade	*Solanum ptycanthum*
COCB	Common Cocklebur	*Xanthium pensylvanicum*
COLQ	Common Lambsquarters	*Chenopodium album*
CORW	Common Ragweed	*Ambrosia artemimissiifolia*
FAPA	Fall Panicum	*Panicum dichotomiflorum*
GIFT	Giant Foxtail	*Setaria faberi*
ILMG	Ivyleaf Morningglory	*Ipomoea hederacea*
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*

II. ABBREVIATIONS

B. Miscellaneous

BRLE	All Broadleaf Species
GRAS	All Grass Species
SOKI	Percent Sod Killed
CRIN	Crop Injury
POP	Population as Plants Per Acre
YLD	Yield as Bushels Per Acre

II. ABBREVIATIONS

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
16C—Sixteen inch corn

2. SOYBEAN

COD—Cotyledonary leaves expanded
CR—Cracking stage; soybeans not emerged but soil beginning to crack open
VC—Cotyledons emerged from soil
V2—Completely unrolled leaf at first node above the unifoliate node
V5—Five nodes on the main stem beginning with the unifoliate node
R1—One flower at any node
R2—Flower at node immediately below the uppermost node with a completely unrolled leaf
R3—Pod at one of the four uppermost nodes with a completely unrolled leaf

3. WHEAT

TIL—Fully tillered growth stage
JT—First node formed just prior to stem extension
BT—Boot stage; just prior to head emergence

II. ABBREVIATIONS

D. Herbicide Application Times with Reference to Crop or Weed

1. PPI —Preplant incorporated
2. PRE —Preemergence
3. EP —Early postemergence; weeds less than 2 inches
4. MP —Mid-postemergence; weeds 2 to 4 inches
5. LP —Late postemergence; weeds more than 6 inches
6. LLP —Late, late postemergence; salvage treatment; weeds generally larger than 18 inches
7. POD —Postemergence directed; to the base of the crop plant
8. LBY —Layby; application made at or after last cultivation
9. PCI —Post cultivated incorporated; applied postemergence to the crop, after a cultivation and then incorporated
10. PCS —Post cultivated surface; applied postemergence to the crop after cultivation and **not** incorporated
11. POT —Post transplant; applied after transplanting
12. POW—Post after wheat; applied postemergence after wheat harvest
13. SAE —Selective application of glyphosate with a rope wick applicator
14. SEQ —Sequential application
15. 1LF —One leaf formed
16. 2LF —Two leaves formed
17. 4LF —Four leaves formed
18. 5LF —Five leaves formed
19. 6LF —Six leaves formed
20. 9LF —Nine leaves formed
21. 1TR —One trifoliate leaf formed
22. 2TR —Two trifoliate leaves formed
23. 3TR —Three trifoliate leaves formed
24. 5TR —Five trifoliate leaves formed
25. 2WK —Applied 2 weeks prior to planting

II. ABBREVIATIONS

D. Herbicide Application Times with Reference to Crop or Weed (continued)

26. 3WK —Applied 3 weeks prior to planting
27. 4WK —Applied 4 weeks prior to planting
28. +3D, 3D, 3DA—A sequential treatment applied 3 days after first application
29. +3W—A sequential treatment applied 3 weeks after first application
30. +4W—A sequential treatment applied 4 weeks after first application

III. 1982 Climatological Data, Lexington

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
SPINDLETOP	5/ 1/82	71	53	--	83	51	64	57	64	56	.18
SPINDLETOP	5/ 2/82	73	50	--	96	30	66	57	67	56	.26
SPINDLETOP	5/ 3/82	75	45	--	58	23	67	56	69	55	.20
SPINDLETOP	5/ 4/82	78	48	--	65	24	68	57	71	57	.21
SPINDLETOP	5/ 5/82	82	50	--	57	25	70	58	73	59	.30
SPINDLETOP	5/ 6/82	81	59	--	63	34	69	61	72	62	.34
SPINDLETOP	5/ 7/82	74	59	.33	93	43	68	63	71	64	.17
SPINDLETOP	5/ 8/82	70	52	.07	98	38	71	60	68	58	.21
SPINDLETOP	5/ 9/82	77	50	--	83	36	71	59	69	57	.26
SPINDLETOP	5/10/82	76	51	--	71	31	72	60	72	58	.23
SPINDLETOP	5/11/82	83	54	--	68	32	73	61	75	60	.25
SPINDLETOP	5/12/82	86	53	--	77	32	75	62	77	62	.30
SPINDLETOP	5/13/82	88	58	--	82	30	77	64	80	65	.24
SPINDLETOP	5/14/82	88	67	--	66	34	77	67	79	69	.29
SPINDLETOP	5/15/82	85	66	--	84	39	77	68	80	69	.26
SPINDLETOP	5/16/82	85	61	--	90	34	78	67	80	69	.29
SPINDLETOP	5/17/82	87	59	--	81	32	79	67	81	69	.22
SPINDLETOP	5/18/82	82	61	--	97	39	78	68	81	70	.27
SPINDLETOP	5/19/82	83	62	.02	97	43	77	68	79	68	.28
SPINDLETOP	5/20/82	78	65	--	87	57	77	68	79	70	.30
SPINDLETOP	5/21/82	83	64	.01	97	51	76	69	79	70	.16
SPINDLETOP	5/22/82	78	60	.86	93	67	74	67	75	66	.25
SPINDLETOP	5/23/82	77	62	--	97	58	77	68	74	66	.20
SPINDLETOP	5/24/82	77	60	--	93	54	79	68	75	66	.25
SPINDLETOP	5/25/82	79	59	--	93	54	80	68	77	66	.24
SPINDLETOP	5/26/82	77	66	.21	84	61	78	70	77	68	.16
SPINDLETOP	5/27/82	83	65	.05	97	58	78	70	75	68	.22
SPINDLETOP	5/28/82	81	66	--	94	53	80	70	78	68	.28
SPINDLETOP	5/29/82	86	67	.26	90	61	78	71	77	70	.24
SPINDLETOP	5/30/82	83	66	.16	93	55	82	71	78	69	.26
SPINDLETOP	5/31/82	84	68	.02	81	57	83	72	79	70	.26

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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	80	59	70	84	43	75	65	75	65	1.99	7.58	619	15	171

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	88	45	.86	98	23	83	56	81	55	.34	27	4	13

III. 1982 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
SPINDLETOP	6/ 1/82	79	64	.32	93	70	83	72	79	69	.19
SPINDLETOP	6/ 2/82	73	52	TRACE	90	37	78	57	77	68	.15
SPINDLETOP	6/ 3/82	77	57	--	97	53	76	67	77	66	.17
SPINDLETOP	6/ 4/82	72	58	.30	97	77	75	67	76	66	.10
SPINDLETOP	6/ 5/82	72	59	.08	97	64	76	65	70	64	.11
SPINDLETOP	6/ 6/82	75	50	--	98	53	74	63	74	61	.21
SPINDLETOP	6/ 7/82	78	55	--	97	51	74	65	74	63	.18
SPINDLETOP	6/ 8/82	81	64	.55	97	69	74	68	75	67	.28
SPINDLETOP	6/ 9/82	87	61	TRACE	96	60	76	66	76	65	.12
SPINDLETOP	6/10/82	81	65	.85	100	40	75	70	75	69	.41
SPINDLETOP	6/11/82	75	52	--	100	43	76	65	77	67	.18
SPINDLETOP	6/12/82	75	61	--	78	48	75	68	76	67	.22
SPINDLETOP	6/13/82	77	61	--	90	48	77	68	77	66	.23
SPINDLETOP	6/14/82	77	51	--	93	38	79	67	81	63	.25
SPINDLETOP	6/15/82	84	56	.30	100	60	77	66	82	60	.22
SPINDLETOP	6/16/82	76	62	1.28	97	79	75	68	78	64	.47
SPINDLETOP	6/17/82	75	60	.24	98	54	74	67	76	61	.22
SPINDLETOP	6/18/82	79	54	--	97	50	76	67	78	59	.20
SPINDLETOP	6/19/82	73	57	.02	94	61	75	68	74	60	.13
SPINDLETOP	6/20/82	75	47	--	98	50	74	64	77	53	.26
SPINDLETOP	6/21/82	80	61	--	92	45	74	67	78	60	.29
SPINDLETOP	6/22/82	80	56	.07	98	50	75	67	82	60	.22
SPINDLETOP	6/23/82	76	52	--	98	45	74	66	70	59	.23
SPINDLETOP	6/24/82	76	51	--	95	46	76	66	83	59	.25
SPINDLETOP	6/25/82	84	54	--	96	48	77	66	87	60	.24
SPINDLETOP	6/26/82	86	62	--	97	52	78	69	86	66	.18
SPINDLETOP	6/27/82	80	66	.05	96	74	78	70	84	68	.22
SPINDLETOP	6/28/82	81	66	.05	98	78	76	70	78	67	.17
SPINDLETOP	6/29/82	83	66	.03	96	66	77	70	80	68	.15
SPINDLETOP	6/30/82	81	68	--	96	59	77	70	82	67	.25

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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	78	58	69	96	56	76	67	78	64	4.14	6.50	557	9	117

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	87	47	1.28	100	37	83	57	87	53	.47	25	3	10

III. 1982 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
SPINDLETOP	7/ 1/82	77	53	--	97	43	76	67	83	61	.28
SPINDLETOP	7/ 2/82	84	55	--	93	45	77	67	86	83	.25
SPINDLETOP	7/ 3/82	84	74	.02	97	73	74	72			.21
SPINDLETOP	7/ 4/82	86	72	--	97	49	81	76			.24
SPINDLETOP	7/ 5/82	91	66	--	96	42	78	71			.27
SPINDLETOP	7/ 6/82	92	64	--	95	55	82	72	91	71	.25
SPINDLETOP	7/ 7/82	90	74	--	93	60	81	74	90	73	.35
SPINDLETOP	7/ 8/82	88	70	.19	99	56	81	73	86	72	.20
SPINDLETOP	7/ 9/82	85	67	--	98	63	79	72	84	68	.16
SPINDLETOP	7/10/82	87	69	.51	96	58	79	72	84	70	.31
SPINDLETOP	7/11/82	84	67	.14	96	63	78	71	79	67	.24
SPINDLETOP	7/12/82	87	63	--	98	50	79	71	83	65	.24
SPINDLETOP	7/13/82	85	58	--	97	43	79	70	85	65	.22
SPINDLETOP	7/14/82	87	57	--	97	51	80	70	88	66	.20
SPINDLETOP	7/15/82	90	60	--	96	43	80	70	90	68	.33
SPINDLETOP	7/16/82	91	66	1.21	95	53	81	72	90	69	.49
SPINDLETOP	7/17/82	90	71	--	94	59	82	72	86	69	.26
SPINDLETOP	7/18/82	87	71	.03	94	64	82	74	85	71	.23
SPINDLETOP	7/19/82	89	70	.62	98	65	82	74	89	70	.24
SPINDLETOP	7/20/82	87	68	.08	98	64	82	73	83	69	.18
SPINDLETOP	7/21/82	87	66	.01	96	57	83	74	89	68	.27
SPINDLETOP	7/22/82	86	69	.19	99	69	83	75	86	70	.29
SPINDLETOP	7/23/82	85	69	.01	98	65	82	74	83	70	.23
SPINDLETOP	7/24/82	86	66	--	96	60	83	73	89	68	.24
SPINDLETOP	7/25/82	89	65	--	98	55	83	74	92	69	.26
SPINDLETOP	7/26/82	91	65	--	98	57	84	75	92	72	.26
SPINDLETOP	7/27/82	91	71	--	96	56	84	76	91	74	.27
SPINDLETOP	7/28/82	82	70	.64	97	72	82	76	84	74	.20
SPINDLETOP	7/29/82	82	63	--	96	59	81	72	84	65	.26
SPINDLETOP	7/30/82	82	62	--	98	67	81	72	82	67	.15
SPINDLETOP	7/31/82	82	65	--	98	60	79	74	80	70	.15

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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	87	66	76	97	57	81	73	86	69	3.65	7.73	796		356

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	92	53	1.21	99	42	84	67	92	61	.49	30		17

III. 1982 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
SPINDLETOP	8/ 1/82	83	56	--	97	52	79	70	87	65	.22
SPINDLETOP	8/ 2/82	85	56	--	98	48	80	70	88	66	.24
SPINDLETOP	8/ 3/82	92	65	--	94	52	81	73	90	70	.29
SPINDLETOP	8/ 4/82	94	66	--	97	53	83	74	95	72	.35
SPINDLETOP	8/ 5/82	88	68	.11	98	54	94	84	94	72	.33
SPINDLETOP	8/ 6/82	88	67	.61	90	72	82	70	85	70	.08
SPINDLETOP	8/ 7/82	88	68	--	98	54	82	68	80	68	.30
SPINDLETOP	8/ 8/82	89	72	.45	97	76	84	75	84	70	.23
SPINDLETOP	8/ 9/82	86	66	--	97	54	78	74	80	68	.20
SPINDLETOP	8/10/82	84	56	--	98	54	80	70	86	62	.25
SPINDLETOP	8/11/82	66	62	.16	97	57	80	70	85	66	.11
SPINDLETOP	8/12/82	76	56	--	99	50	80	68	80	58	.18
SPINDLETOP	8/13/82	80	53	--	99	50	78	66	86	60	.26
SPINDLETOP	8/14/82	83	55	--	98	48	78	66	86	60	.26
SPINDLETOP	8/15/82	90	60	--	98	49	80	67	89	64	.26
SPINDLETOP	8/16/82	80	66	.24	99	74	79	71	87	70	.14
SPINDLETOP	8/17/82	86	63	--	99	56	80	70	87	64	.24
SPINDLETOP	8/18/82	81	63	--	98	47	79	70	86	66	.27
SPINDLETOP	8/19/82	85	62	--	100	41	78	67	88	62	.29
SPINDLETOP	8/20/82	88	60	--	97	47	78	68	88	64	.32
SPINDLETOP	8/21/82	81	60	.02	99	42	78	69	87	66	.36
SPINDLETOP	8/22/82	83	49	--	100	36	76	66	88	60	.26
SPINDLETOP	8/23/82	80	66	--	95	67	75	69	84	68	.20
SPINDLETOP	8/24/82	85	65	--	99	60	77	69	84	67	.19
SPINDLETOP	8/25/82	80	69	.02	96	48	77	70	86	69	.24
SPINDLETOP	8/26/82	84	52	--	99	42	78	66	88	62	.27
SPINDLETOP	8/27/82	76	65	.82	98	77	77	69	82	68	.17
SPINDLETOP	8/28/82	77	60	--	98	56	74	67	77	62	.18
SPINDLETOP	8/29/82	78	51	--	95	50	75	65	83	57	.23
SPINDLETOP	8/30/82	75	62	.72	99	78	75	67	81	64	.12
SPINDLETOP	8/31/82	84	68	1.87	98	74	75	68	78	66	.08

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SUMMARY

AVERAGES FOR PERIOD

STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO
SPINDLETOP	83	62	73	98	55	79	70	85	65

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
SPINDLETOP	5.02	7.12	684		234

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	94	49	1.87	100	36	94	65	95	57	.36	29		16

III. 1982 Climatological Data, Lexington (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
SPINDLETOP	9/ 1/82	75	70	.48	98	92	74	70	75	67	.10
SPINDLETOP	9/ 2/82	82	68	.48	99	72	75	69	78	65	.24
SPINDLETOP	9/ 3/82	75	58	--	90	45	72	66	75	58	.18
SPINDLETOP	9/ 4/82	76	50	--	99	44	72	66	75	52	.21
SPINDLETOP	9/ 5/82	82	50	--	100	45	74	68	80	51	.22
SPINDLETOP	9/ 6/82	80	54	--	100	58	75	64	80	54	.25
SPINDLETOP	9/ 7/82	80	56	--	100	49	74	66	80	59	.15
SPINDLETOP	9/ 8/82	77	61	--	98	66	74	67	79	63	.16
SPINDLETOP	9/ 9/82	80	60	TRACE	99	65	74	67	79	63	.11
SPINDLETOP	9/10/82	83	58	--	99	50	76	67	82	62	.15
SPINDLETOP	9/11/82	84	64	--	96	56	76	69	83	65	.20
SPINDLETOP	9/12/82	84	68	--	87	65	76	69	82	67	.18
SPINDLETOP	9/13/82	75	69	.61	99	85	76	70	80	66	.10
SPINDLETOP	9/14/82	85	69	.15	99	80	76	69	79	67	.14
SPINDLETOP	9/15/82	83	65	--	98	68	78	71	80	66	.18
SPINDLETOP	9/16/82	76	64	--	98	70	78	70	79	65	.20
SPINDLETOP	9/17/82	78	51	--	97	47	74	66	80	58	.19
SPINDLETOP	9/18/82	75	60	.19	98	54	74	68	77	63	.12
SPINDLETOP	9/19/82	73	46	--	99	51	72	63	73	53	.16
SPINDLETOP	9/20/82	70	47	.03	100	50	70	63	69	53	.12
SPINDLETOP	9/21/82	62	47	--	99	52	68	63	68	52	.16
SPINDLETOP	9/22/82	60	43	.04	100	67	66	60	64	50	.09
SPINDLETOP	9/23/82	68	42	--	100	45	66	57	70	46	.12
SPINDLETOP	9/24/82	61	52	.06	97	70	66	59	67	53	.08
SPINDLETOP	9/25/82	64	51	.02	99	81	64	59	62	51	.06
SPINDLETOP	9/26/82	66	55	.06	99	81	65	60	63	55	.02
SPINDLETOP	9/27/82	69	52	--	98	61	66	60	65	55	.13
SPINDLETOP	9/28/82	73	44	--	100	56	68	54	72	50	.08
SPINDLETOP	9/29/82	80	52	--	98	51	70	60	76	53	.20
SPINDLETOP	9/30/82	77	46	--	99	48	70	60	77	53	.14

**********A '*' ABOVE AN AVERAGE VALUE MEANS THERE IS **********
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SUMMARY

AVERAGES FOR PERIOD — ACCUMULATIONS FOR PERIOD

STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	AVG	HI	LO	GRASS		BARE				50	DEG.	DEG.
						HI	LO	HI	LO			MOD	DAYS	DAYS
SPINDLETOP	75	56	66	98	61	72	65	75	58	2.12	4.44	486	76	98

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	85	42	.61	100	44	78	54	83	46	.25	27	13	12

III. 1982 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/ 1/82	75	54	--	98	50	65	60			.14
PRINCETON	5/ 2/82	77	51	--	98	32	65	60			.27
PRINCETON	5/ 3/82	80	48	--	98	32	66	62			.13
PRINCETON	5/ 4/82	80	52	TRACE	98	32	68	60			.17
PRINCETON	5/ 5/82	84	55	--	98	50	66	64			.30
PRINCETON	5/ 6/82	80	54	--	80	40	65	62			.32
PRINCETON	5/ 7/82	80	53	.31	100	70	68	62			.10
PRINCETON	5/ 8/82	78	44	--	98	32	68	62			.25
PRINCETON	5/ 9/82	79	47	--	98	34	67	58			.15
PRINCETON	5/10/82	82	50	--	98	50	70	60			.15
PRINCETON	5/11/82	85	52	--	100	32	71	62			.15
PRINCETON	5/12/82	85	54	--	100	36	70	63			
PRINCETON	5/13/82	88	58	--	100	30	71	64			.18
PRINCETON	5/14/82	88	48	--	82	52	72	65			.20
PRINCETON	5/15/82	78	52	.76	100	62	71	65			.15
PRINCETON	5/16/82	86	58	--	92	42	74	65			.22
PRINCETON	5/17/82	84	60	.96	100	50	75	66			.17
PRINCETON	5/18/82	83	62	.06	98	60	75	68			.03
PRINCETON	5/19/82	83	62	.31	98	58	75	68			.18
PRINCETON	5/20/82	84	62	.32	98	70	76	70			.15
PRINCETON	5/21/82	82	65	.54	98	68	74	70			.14
PRINCETON	5/22/82	82	64	.21	100	68	76	71			.20
PRINCETON	5/23/82	80	57	--	98	68	74	69			.16
PRINCETON	5/24/82	80	53	--	98	60	75	70			.20
PRINCETON	5/25/82	80	61	.07	100	64	75	68			.18
PRINCETON	5/26/82	84	64	.44	100	68	76	70			.24
PRINCETON	5/27/82	82	66	.10	100	78	76	72			.19
PRINCETON	5/28/82	85	61	.24	100	82	76	72			.17
PRINCETON	5/29/82	85	68	--	98	64	76	73			.27
PRINCETON	5/30/82	89	69	--	96	58	80	73			.23
PRINCETON	5/31/82	86	65	1.42	100	82	80	74			.28

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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	82	57	70	97	54	72	66		

SUMMARY ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	5.74	5.67 *	622	4	161

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	89	44	1.42	100	30	80	58			.32	28	3	14

III. 1982 Climatological Data, Princeton (continued)

		TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP
PRINCETON	6/ 1/82	80	60	.25	98	50	81	74			.25
PRINCETON	6/ 2/82	76	52	--	60	52	80	75			.29
PRINCETON	6/ 3/82	78	62	.03	100	48	80	76			.16
PRINCETON	6/ 4/82	74	62	.12	98	50	76	72			.21
PRINCETON	6/ 5/82	77	58	.57	92	48	75	70			.30
PRINCETON	6/ 6/82	81	55	--	100	46	76	70			.21
PRINCETON	6/ 7/82	86	59	--	100	48	76	69			.22
PRINCETON	6/ 8/82	84	70	--	82	44	76	68			.22
PRINCETON	6/ 9/82	88	72	--	88	46	76	70			.27
PRINCETON	6/10/82	75	67	.04	100	52	76	72			.24
PRINCETON	6/11/82	80	53	--	92	52	78	70			.22
PRINCETON	6/12/82	79	60	.36	100	42	78	72			.17
PRINCETON	6/13/82	79	56	--	88	46	74	69			.13
PRINCETON	6/14/82	83	56	--	92	40	78	70			.18
PRINCETON	6/15/82	88	65	--	96	48	76	72			.29
PRINCETON	6/16/82	88	65	.73	96	72	76	72			.32
PRINCETON	6/17/82	88	51	--	100	50	78	68			.10
PRINCETON	6/18/82	80	55	--	100	40	78	74			.24
PRINCETON	6/19/82	80	62	.05	100	65	76	68			.11
PRINCETON	6/20/82	79	55	--	86	40	73	68			.36
PRINCETON	6/21/82	84	62	--	100	58	72	68			.17
PRINCETON	6/22/82	85	59	--	100	62	76	70			.22
PRINCETON	6/23/82	84	60	--	96	64	77	72			.28
PRINCETON	6/24/82	82	54	--	100	64	76	72			.23
PRINCETON	6/25/82	85	54	--	98	66	78	70			.24
PRINCETON	6/26/82	86	64	.09	100	60	78	70			.30
PRINCETON	6/27/82	86	69	--	100	68	78	70			.18
PRINCETON	6/28/82	85	71	--	90	70	80	78			.17
PRINCETON	6/29/82	88	68	--	98	68	80	75			.16
PRINCETON	6/30/82	88	72	--	98	82	81	78			.18

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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
PRINCETON	83	61	72	95	55	77	71			2.24	6.62	652		209

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	88	51	.73	100	40	81	68			.36	29		15

III. 1982 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
PRINCETON	7/ 1/82	84	57	--	100	98	80	72			.34
PRINCETON	7/ 2/82	90	60	--	98	96	80	70			.26
PRINCETON	7/ 3/82	84	62	.26	98	98	80	72			.38
PRINCETON	7/ 4/82	93	68	.19	98	96	82	74			.20
PRINCETON	7/ 5/82	91	68	--	100	78	84	76			.27
PRINCETON	7/ 6/82	94	68	--	98	42	84	76			.30
PRINCETON	7/ 7/82	92	75	TRACE	98	84	84	78			.29
PRINCETON	7/ 8/82	87	72	.27	98	98	83	76			.23
PRINCETON	7/ 9/82	87	68	.06	98	98	82	74			.11
PRINCETON	7/10/82	90	72	.23	98	98	84	76			.20
PRINCETON	7/11/82	88	68	1.63	98	84	81	75			.45
PRINCETON	7/12/82	83	62	--	98	80	80	74			.17
PRINCETON	7/13/82	84	63	--	98	60	82	76			.28
PRINCETON	7/14/82	87	62	--	96	52	84	78			
PRINCETON	7/15/82	91	65	--	98	94	83	74			
PRINCETON	7/16/82	92	72	--	98	98	84	78			.30
PRINCETON	7/17/82	90	73	TRACE	98	98	84	78			.20
PRINCETON	7/18/82	88	72	.02	96	88	83	78			
PRINCETON	7/19/82	92	71	--	98	96	82	78			.28
PRINCETON	7/20/82	92	70	1.91	96	80	83	78			.53
PRINCETON	7/21/82	90	71	1.00	98	88	82	79			.48
PRINCETON	7/22/82	89	72	--	98	96	82	78			.37
PRINCETON	7/23/82	80	68	.24	98	98	83	78			.13
PRINCETON	7/24/82	88	68	.02	96	96	82	78			.18
PRINCETON	7/25/82	91	72	--	98	84	85	79			.23
PRINCETON	7/26/82	90	73	--	96	79	85	80			.15
PRINCETON	7/27/82	90	72	.45	98	98	85	80			.33
PRINCETON	7/28/82	88	73	.08	98	98	85	78			.22
PRINCETON	7/29/82	88	68	--	98	72	82	78			.22
PRINCETON	7/30/82	87	70	--	96	70	83	78			.16
PRINCETON	7/31/82	86	69	.02	98	98	84	80			

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AVERAGES FOR PERIOD — SUMMARY ACCUMULATIONS FOR PERIOD

STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	AVG	HI	LO	GRASS		BARE				50	DEG.	DEG.
						HI	LO	HI	LO			MOD	DAYS	DAYS
PRINCETON	89	69	79	98	87	83	77			6.38	7.26*	843		429

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS		BARE			50	DEG.	DEG.
						HI	LO	HI	LO		MOD	DAYS	DAYS
PRINCETON	94	57	1.91	100	42	85	70			.53	31		19

III. 1982 Climatological Data, Princeton (continued)

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
PRINCETON	9/ 1/82	86	68	.21	100	99	77	74			
PRINCETON	9/ 2/82	89	69	.06	100	99	77	75			
PRINCETON	9/ 3/82	78	54	--	100	50	77	75			
PRINCETON	9/ 4/82	79	49	--	100	56	77	75			
PRINCETON	9/ 5/82	87	50	--	94	40	74	71			
PRINCETON	9/ 6/82	84	58	--	100	92	77	72			
PRINCETON	9/ 7/82	83	63	.02	100	62	77	72			
PRINCETON	9/ 8/82	80	62	--	100	72	78	73			
PRINCETON	9/ 9/82	83	62	--	100	100	76	72			
PRINCETON	9/10/82	85	68	--	100	62	75	73			
PRINCETON	9/11/82	84	64	--	100	82	75	73			
PRINCETON	9/12/82	82	70	--	100	100	75	72			
PRINCETON	9/13/82	85	72	1.36	100	98	75	72			
PRINCETON	9/14/82	90	68	--	100	100	76	74			
PRINCETON	9/15/82	85	64	.46	100	88	78	74			
PRINCETON	9/16/82	82	64	.02	100	100	78	76			
PRINCETON	9/17/82	82	56	--	100	52	78	72			
PRINCETON	9/18/82	80	62	.24	100	100	78	72			
PRINCETON	9/19/82	74	50	.06	98	52	78	72			
PRINCETON	9/20/82	75	56	.06	98	80	78	69			
PRINCETON	9/21/82	70	48	--	100	60	78	69			
PRINCETON	9/22/82	69	42	--	98	50	74	68			
PRINCETON	9/23/82	70	39	--	100	52	70	64			
PRINCETON	9/24/82	75	56	.16	100	100	68	62			
PRINCETON	9/25/82	75	54	.52	100	82	68	65			
PRINCETON	9/26/82	64	56	--	100	100	62	60			
PRINCETON	9/27/82	69	48	--	100	60	67	65			
PRINCETON	9/28/82	78	46	--	100	96	68	64			
PRINCETON	9/29/82	83	53	--	100	52	69	64			
PRINCETON	9/30/82	84	55	--	100	60	70	66			

**********A '*' ABOVE AN AVERAGE VALUE MEANS THERE IS **********
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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	80	58	69	100	77	74	70							

ACCUMULATIONS FOR PERIOD

STATION	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	3.17		574	38	157

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	90	39	1.36	100	40	78	60				29	10	14

IV. Herbicides Used in Weed Control Studies, 1982

CHEMICAL OR COMPANY DESIGNATION	TRADE NAME
2,4-D	Dacamine 360
2,4-D amine	2,4-D amine
2,4-DB	Butyrac 200
2,4-D Ester	Esteron 99
Acifluorfen	Blazer
Alachlor	Lasso
Alachlor + Atrazine	Lasso/Atrazine
Alachlor + Glyphosate	Bronco (Lasso 2.5 + Roundup 1.5)
Atrazine	Shell Atrazine, AAtrex
BAS 506	
Benazolin	
Benefin	Balan
Bentazon	Basagran
Bromoxynil	Buctril
Butylate + R-25788	Sutan+
Butylate pkg. mix with R-33865	Sutan pkg. mix with R-33865
CGA-82725	
Chloramben	Amiben
CN 1504	
CN 2913	
CN 4359/1	
CN 4359/2	
CN 4359/3	
CN 4359/W	
CN 6471	
CP 55097	
Cyanazine	Bladex
Cyanazine II	Bladex
Dicamba	Banvel
Dicamba II	Banvel II
Diclofop methyl	Hoelon

IV. Herbicides Used in 1982 (continued)

CHEMICAL OR COMPANY DESIGNATION	TRADE NAME
Diphenamid	Enide
Dowco 453	
DPX A5967	
DPX A5969	
EPTC + R-25788 + SC 7432	
Eptam + R-25788	Eradicane
EPTC + R-25788 + R-33865	Eradicane Extra
Ethalfluralin	Sonalan
Fluazifop Butyl	Fusilade
Fluchloralin	Basalin
Foe 2492	
Foe 2602	
Glyphosate	Roundup
Hoe 581	
Hoe 661	
Isopropalin	Paarlan
Linuron	Lorox
M-4127	
MBR 20457	
MBR 22359	
MBR 23709	
MC 10978	Tackle
Mefluidide	Vistar
Metolachlor	Dual
Metolachlor + Atrazine	Bicep (Dual 2.5 + Aatrex 2)
Metribuzin 1	Sencor
Metribuzin 1 or 2	Metribuzin
Metribuzin 2	Lexone
Mo 70434	
Nanpa/DN	Dyanap
Napropamide	Devrinol
Naptalam	Alanap L
Naptalam + 2,4-DB	Alanap unit pack UB
NC 29152	

IV. Herbicides Used in 1982 (continued)

CHEMICAL OR COMPANY DESIGNATION	TRADE NAME
Vernolate + R-33865	Vernam pkg mix with R-33865
Vernolate + R-25788 + R-33865	Surpass pkg. mix with R-33865

Table 1: Corn Preemergence and Preplant Incorporated—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 6 GRAS	BRLE	CRIN	GIET	VELE	IAMG	ILNG	IIWE	COLQ
1	ATRAZINE	4.00 L	2.00 LB/AC	PRE	42	65	0	42	45	62	62	100	100
2A	ATRAZINE	90.00 WDG	1.50 LB/AC	PRE	78	78	0	78	62	70	70	100	100
2B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE									
3A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	52	90	0	52	92	88	88	95	100
3B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
4A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	60	80	0	58	90	72	72	90	100
4B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
5A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	68	85	2	68	90	80	80	82	98
5B	ATRAZINE	4.00 L	1.00 LB/AC	PRE									
5C	CYANAZINE	4.00 L	2.00 LB/AC	PRE									
6	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	32	0	95	15	22	22	68	40
7	ALACHLOR	4.00 E	3.00 LB/AC	PRE	95	42	0	95	22	35	35	80	72
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	62	0	90	42	45	45	100	100
8B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
9A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	90	42	0	90	15	15	15	82	92
9B	ALACHLOR	4.00 E	2.00 LB/AC	PRE									
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	88	58	0	88	55	55	55	75	75
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
10C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	60	0	92	62	22	22	100	95
11B	CYANAZINE	4.00 L	2.00 LB/AC	PRE									
11C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
12	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	30	0	85	18	25	25	40	35
13	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	92	10	0	92	0	12	12	25	18
14A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	58	0	85	45	35	35	100	92
14B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
15A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	92	42	0	92	20	22	22	100	98
15B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE									
16A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	88	58	0	88	48	28	28	92	98
16B	ATRAZINE	4.00 L	1.50 LB/AC	PRE									
16C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									

Table 1: Corn Preemergence and Preplant Incorporated—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 6 GRAS	BRLE	CRIN	GIFT	VELE	IAMS	ILOG	JIMS	COLQ
17A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	85	48	0	85	42	25	25	85	90
17B	CYANAZINE	4.00 L	2.00 LB/AC	PRE									
17C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
18	CYANAZINE	4.00 L	3.00 LB/AC	PRE	55	28	0	55	15	30	30	8	75
19A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	58	45	0	58	35	12	12	100	100
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE									
20A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	35	90	0	35	95	80	80	88	78
20B	CYANAZINE	4.00 L	2.40 LB/AC	PRE									
21A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	50	82	0	50	88	80	80	80	100
21B	CYANAZINE	4.00 L	2.40 LB/AC	PRE									
22A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	75	78	0	75	85	62	62	95	95
22B	SIMAZINE	4.00 L	1.60 LB/AC	PRE									
23A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	70	82	0	70	90	75	75	95	100
23B	SIMAZINE	4.00 L	1.60 LB/AC	PRE									
24	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	90	48	0	90	35	35	35	100	100
25A	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE	82	58	0	82	48	30	30	98	100
25B	METALACHLOR + ATRAZI	4.50 F	2.70 LB/AC	PRE									
26A	PPG-844	2.00 E	.25 LB/AC	PRE	32	65	0	32	52	65	65	100	100
26B	SIMAZINE	4.00 L	1.00 LB/AC	PRE									
27A	PPG-844	2.00 E	.50 LB/AC	PRE	42	80	0	42	80	85	85	100	100
27B	SIMAZINE	4.00 L	1.00 LB/AC	PRE									
28	ALACHLOR	4.00 E	2.50 LB/AC	PPI	100	60	0	100	72	30	30	48	95
29	ALACHLOR	4.00 E	3.00 LB/AC	PPI	100	55	0	100	68	22	22	58	100
30	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	70	2	100	78	35	35	75	100
31A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	92	85	0	92	85	82	82	95	100
31B	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
32A	ALACHLOR PKG MIX	2.50 L	2.50 LB/AC	PPI	98	85	2	98	82	80	80	98	98
32B	WITH ATRAZINE	1.50	1.50	PPI									
33	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	95	52	0	95	62	28	28	42	80
34	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	100	65	2	100	62	40	40	60	85

Table 1: Corn Preemergence and Preplant Incorporated—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 6 GRAS	BRLE	CRIN	GIEI	VELE	IAMG	ILMG	JIGE	COLQ
35	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	98	62	0	98	65	32	32	45	92
36A	METOLACHLOR	8.00 E	2.00 LB/AC	PPI	95	82	0	95	80	88	88	90	100
36B	ATRAZINE	4.00 L	1.60 LB/AC	PPI									
37	CP 55097	8.00 EC	2.50 LB/AC	PPI	100	75	2	100	85	40	40	88	95
38	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PPI	90	72	0	90	68	75	75	92	90
39A	CYANAZINE	4.00 L	2.00 LB/AC	PPI	72	68	0	72	55	48	48	80	88
39B	ATRAZINE	4.00 L	1.00 LB/AC	PPI									
40A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	100	0	100	95	98	98	98	98
40B	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
41A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	98	98	0	100	95	98	98	98	100
41B	WITH R-33865	1.00	.67	PPI									
41C	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
42A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	98	100	0	98	98	98	98	98	75
42B	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
43A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	100	0	100	100	100	100	98	100
43B	WITH R-33865	1.00	.67	PPI									
43C	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
44A	VERNOLATE+ PKG MIX	6.00 EC	4.00 LB/AC	PPI	90	98	0	90	100	98	98	95	100
44B	WITH R-33865	1.00	.67	PPI									
44C	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
45A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	100	100	0	100	100	98	98	100	100
45B	SC 7432	.95 E	.66 LB/AC	PPI									
45C	ATRAZINE	4.00 L	1.50 LB/AC	PPI									
46	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100	100
				LSD(05):	11	16	2	10	21	29	29	23	22

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.1 O.M.: 3.5%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONEER 3369A MAY 4 PREPLANT INCOR

Table 2: Corn Preemergence and Preplant Incorporated—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 1 CRIV	GIFI	VELE	IAMG	ILMG	JIME	COLQ
1	ATRAZINE	4.00 L	2.00 LB/AC	PRE	0	30	45	62	62	100	100
2A	ATRAZINE	90.00 WDG	1.50 LB/AC	PRE	0	62	50	65	65	100	100
2B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE							
3A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	35	92	82	82	88	100
3B	ATRAZINE	4.00 L	1.50 LB/AC	PRE							
4A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	0	38	90	70	70	85	100
4B	ATRAZINE	4.00 L	1.50 LB/AC	PRE							
5A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	2	45	85	72	72	92	98
5B	ATRAZINE	4.00 L	1.00 LB/AC	PRE							
5C	CYANAZINE	4.00 L	2.00 LB/AC	PRE							
6	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	65	10	5	5	58	35
7	ALACHLOR	4.00 E	3.00 LB/AC	PRE	0	88	20	25	25	90	68
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	25	45	45	100	100
8B	ATRAZINE	4.00 L	1.50 LB/AC	PRE							
9A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	0	78	15	8	8	82	90
9B	ALACHLOR	4.00 E	2.00 LB/AC	PRE							
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	65	45	50	50	75	75
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE							
10C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE							
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	80	40	22	22	100	90
11B	CYANAZINE	4.00 L	2.00 LB/AC	PRE							
11C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE							
12	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	80	18	10	10	30	18
13	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	0	90	0	8	8	25	18
14A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	72	40	35	35	100	92
14B	ATRAZINE	4.00 L	1.50 LB/AC	PRE							
15A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	80	12	20	20	100	95
15B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE							
16A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	65	32	22	22	88	98
16B	ATRAZINE	4.00 L	1.50 LB/AC	PRE							
16C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE							

Table 2: Corn Preemergence and Preplant Incorporated—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 1 CRIV	GIEI	VELE	IAMG	ILMG	IIAE	COLQ
17A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	62	38	25	25	95	90
17B	CYANAZINE	4.00 L	2.00 LB/AC	PRE							
17C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE							
18	CYANAZINE	4.00 L	3.00 LB/AC	PRE	0	38	15	30	30	8	75
19A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	0	45	20	8	8	92	100
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE							
20A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	22	82	70	70	88	78
20B	CYANAZINE	4.00 L	2.40 LB/AC	PRE							
21A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	0	38	82	62	62	70	100
21B	CYANAZINE	4.00 L	2.40 LB/AC	PRE							
22A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	55	72	48	48	95	95
22B	SIMAZINE	4.00 L	1.60 LB/AC	PRE							
23A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	0	50	90	68	68	95	100
23B	SIMAZINE	4.00 L	1.60 LB/AC	PRE							
24	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	0	78	18	35	35	100	100
25A	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE	0	60	40	30	30	98	100
25B	METALACHLOR + ATRAZI	4.50 F	2.70 LB/AC	PRE							
26A	PPG-844	2.00 E	.25 LB/AC	PRE	0	10	45	58	58	100	100
26B	SIMAZINE	4.00 L	1.00 LB/AC	PRE							
27A	PPG-844	2.00 E	.50 LB/AC	PRE	0	25	62	65	65	100	100
27B	SIMAZINE	4.00 L	1.00 LB/AC	PRE							
28	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	88	60	18	18	35	88
29	ALACHLOR	4.00 E	3.00 LB/AC	PPI	0	95	48	18	18	40	100
30	ALACHLOR	4.00 E	4.00 LB/AC	PPI	0	92	65	32	32	55	100
31A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	78	65	70	70	88	100
31B	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
32A	ALACHLOR PKG MIX	2.50 L	2.50 LB/AC	PPI	0	85	68	72	72	95	95
32B	WITH ATRAZINE	1.50	1.50	PPI							
33	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	0	82	50	20	20	32	72
34	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	2	92	45	28	28	38	82

Table 2: Corn Preemergence and Preplant Incorporated—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 1 CRIN	GIEI	VELE	IAMG	ILMG	JIME	COLO
35	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	0	92	32	28	28	42	75
36A	METOLACHLOR	8.00 E	2.00 LB/AC	PPI	0	88	58	75	75	88	98
36B	ATRAZINE	4.00 L	1.60 LB/AC	PPI							
37	CP 55097	8.00 EC	2.50 LB/AC	PPI	0	100	70	22	22	75	90
38	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PPI	0	82	48	65	65	80	80
39A	CYANAZINE	4.00 L	2.00 LB/AC	PPI	0	45	48	48	48	75	80
39B	ATRAZINE	4.00 L	1.00 LB/AC	PPI							
40A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	82	92	92	92	92	95
40B	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
41A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	82	92	90	90	92	98
41B	WITH R-33865	1.00	.67	PPI							
41C	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
42A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	0	90	92	92	92	95	95
42B	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
43A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	95	100	100	100	90	100
43B	WITH R-33865	1.00	.67	PPI							
43C	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
44A	VERNOLATE+ PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	72	95	98	98	90	100
44B	WITH R-33865	1.00	.67	PPI							
44C	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
45A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	0	90	98	98	98	98	98
45B	SC 7432	.95 E	.66 LB/AC	PPI							
45C	ATRAZINE	4.00 L	1.50 LB/AC	PPI							
46	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100
			LSD(05):		1	16	22	29	29	23	23

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.1 O.M.: 3.5%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONNER 3369A MAY 4 PREPLANT INCOR

Table 3: Corn Preemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5 CRIN	5/13 CRIN	5-30 PESW	5-30 VELE	5-30 GIFI	5-30 CRIN	6/24 PESW	6/24 VELE	6/24 GIFI	6/24 CRIN	9/5 YLD	9/5 POP
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	88	82	92	0	68	60	88	0	122	12
1B	DICAMBA	4.00 S	.40 LB/AC	PRE												
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	98	88	92	0	88	75	85	0	130	15
2B	DICAMBA	4.00 S	.60 LB/AC	PRE												
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	95	92	92	0	92	92	88	0	119	14
3B	DICAMBA	4.00 S	1.20 LB/AC	PRE												
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	95	65	90	0	80	38	85	0	117	13
4B	DICAMBA II	2.00 S	.40 LB/AC	PRE												
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	92	90	92	0	60	80	85	0	114	12
5B	CN 6471	4.00 S	.40 LB/AC	PRE												
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	82	65	90	0	68	35	80	0	121	13
6B	CN 291 13	50.00 WP	.40 LB/AC	PRE												
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	78	50	90	0	50	18	80	0	128	15
7B	CN 4359/1	50.00 WP	.40 LB/AC	PRE												
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	88	95	92	0	75	98	85	0	111	14
8B	CN 4359/1	50.00 WP	.60 LB/AC	PRE												
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	100	78	90	0	88	78	88	0	122	14
9B	CN 4359/1	50.00 WP	1.20 LB/AC	PRE												
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	52	65	92	0	40	40	80	0	133	17
10B	CN 4359/2	50.00 WP	.40 LB/AC	PRE												
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	92	95	92	0	82	92	88	0	121	14
11B	CN 4359/2	50.00 WP	1.20 LB/AC	PRE												
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	90	75	92	0	82	42	88	0	133	15
12B	CN 4359/3	50.00 WP	.40 LB/AC	PRE												
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	92	88	92	0	90	78	95	0	122	12
13B	CN 4359/3	50.00 WP	1.20 LB/AC	PRE												
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	80	78	95	0	58	50	82	0	154	16
14B	CN 4359/4	50.00 WP	.40 LB/AC	PRE												
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	100	92	90	0	85	82	85	0	120	14
15B	CN 4359/W	50.00 WP	1.20 LB/AC	PRE												
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	100	92	98	0	92	88	95	0	104	13
16B	ATRAZINE	4.00 L	1.75 LB/AC	PRE												

Table 3: Corn Preemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5 CRTN	5/13 CRTN	5-30 PESW	5-30 VELE	5-30 GIEI	5-30 CRTN	6/20 PESW	6/20 VELE	6/20 GIEI	6/20 CRTN	9/5 YLD	9/5 POP
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	95	95	92	0	80	85	90	0	101	13
17B	CYANAZINE	4.00 L	2.00 LB/AC	PRE												
18	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	40	42	92	0	10	35	92	0	115	15
19A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	75	85	82	0	45	80	70	0	114	13
19B	CN 4359/1	50.00 WP	.40 LB/AC	PRE												
20A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	88	82	90	0	72	60	85	0	106	13
20B	CN 4359/1	50.00 WP	.60 LB/AC	PRE												
21A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	92	68	92	0	90	58	82	0	128	14
21B	CN 4359/1	50.00 WP	1.20 LB/AC	PRE												
22A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	88	85	78	0	45	78	50	0	126	15
22B	DICAMBA	4.00 S	.40 LB/AC	PRE												
23A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	90	92	90	0	68	88	75	0	127	15
23B	DICAMBA	4.00 S	.60 LB/AC	PRE												
24A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	95	92	92	0	88	88	88	0	124	15
24B	DICAMBA	4.00 S	1.20 LB/AC	PRE												
25A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	100	78	88	0	92	70	82	0	100	13
25B	ATRAZINE	4.00 L	1.75 LB/AC	PRE												
26A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	55	95	92	0	32	75	80	0	119	14
26B	CYANAZINE	4.00 L	2.00 LB/AC	PRE												
27	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	35	48	95	0	15	8	92	0	112	14
28	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	0	100	0	0	0	100	0	110	15
				LSD(05):	NS	NS	18	30	30	NS	24	42	14	NS	X	X

LOCATION: SOUTH FARM, LEXINGTO SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 0 P, 0 K PH: 6.2 O.M.: 3.5%
DATE PLANTED: APRIL 29 DATE TREATED: APRIL 29
VARIETY: PIONEER 3369A

Table 4: Corn Preplant Incorporated, Preemergence, Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/14 CRIN	5/16 CRIN	5/30 PESW	5/30 VELE	5/30 GIFI	6/24 CRIN	6/24 PESW	6/24 VELE	6/24 GIFI	9/5 CRIN	9/5 YLD	9/5 POP
1A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	100	100	0	60	98	95	0	108	14
1B	DICAMBA	4.00 S	.40 LB/AC	PRE												
2A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	95	100	98	0	114	14
2B	DICAMBA	4.00 S	.60 LB/AC	PRE												
3A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	98	0	95	100	98	0	114	14
3B	DICAMBA	4.00 S	1.20 LB/AC	PRE												
4A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	90	100	100	0	85	100	100	0	110	14
4B	DICAMBA II	2.00 S	.40 LB/AC	PRE												
5A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	90	100	100	0	80	100	98	0	113	14
5B	CN 6471	4.00 S	.40 LB/AC	PRE												
6A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	100	95	0	65	100	88	0	116	15
6B	CN 291 13	50.00 WP	.40 LB/AC	PRE												
7A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	72	95	98	0	58	92	95	0	109	14
7B	CN 4359/1	50.00 WP	.40 LB/AC	PRE												
8A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	98	95	0	75	98	92	0	125	16
8B	CN 4359/1	50.00 WP	.60 LB/AC	PRE												
9A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	98	100	95	0	109	15
9B	CN 4359/1	50.00 WP	1.20 LB/AC	PRE												
10A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	85	98	100	0	80	75	90	0	116	15
10B	CN 4359/2	50.00 WP	.40 LB/AC	PRE												
11A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	98	100	0	78	100	98	0	115	14
11B	CN 4359/3	50.00 WP	.40 LB/AC	PRE												
12A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	100	0	92	100	95	0	117	14
12B	CN 4359/2	50.00 WP	1.20 LB/AC	PRE												
13A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	98	0	100	100	95	0	107	13
13B	CN 4359/3	50.00 WP	1.20 LB/AC	PRE												
14A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	98	92	0	88	95	92	0	110	15
14B	DICAMBA	4.00 S	.40 LB/AC	PPI												
15A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	90	100	95	0	116	15
15B	DICAMBA	4.00 S	.60 LB/AC	PPI												
16A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	100	0	92	100	100	0	109	14
16B	DICAMBA	4.00 S	1.20 LB/AC	PPI												

Table 4: Corn Preplant Incorporated, Preemergence, Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/14 CRIN	5/16 CRIN	5/30 PESW	5/30 VELE	5/30 GIFI	5/30 CRIN	6/24 PESW	6/24 VELE	6/24 GIFI	6/24 CRIN	9/5 YLD	9/5 POP
17A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	92	0	82	100	92	0	114	15
17B	DICAMBA II	2.00 S	.40 LB/AC	PPI												
18A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	75	100	100	0	48	100	98	0	103	15
18B	CN 6471	4.00 S	.40 LB/AC	PPI												
19A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	85	98	98	0	55	98	98	0	111	13
19B	CN 291 13	50.00 WP	.40 LB/AC	PPI												
20A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	100	100	0	82	98	98	0	116	16
20B	CN 4359/1	50.00 WP	.40 LB/AC	PPI												
21A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	100	0	70	88	98	0	103	15
21B	CN 4359/1	50.00 WP	.60 LB/AC	PPI												
22A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	95	100	92	0	110	14
22B	CN 4359/1	50.00 WP	1.20 LB/AC	PPI												
23A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	90	100	98	0	75	98	95	0	94	12
23B	CN 4359/2	50.00 WP	.40 LB/AC	PPI												
24A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	80	100	98	0	50	100	95	0	121	15
24B	CN 4359/3	50.00 WP	.40 LB/AC	PPI												
25A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	98	100	92	0	99	14
25B	CYANAZINE	4.00 L	2.00 LB/AC	PPI												
26A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	95	0	95	98	95	0	116	15
26B	ATRAZINE	4.00 L	1.75 LB/AC	PPI												
27	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	65	95	100	0	10	85	100	0	106	14
28A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	98	0	111	14
28B	DICAMBA	4.00 S	.40 LB/AC	EP												
29A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	90	0	116	15
29B	DICAMBA	4.00 S	.60 LB/AC	EP												
30A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	98	0	111	14
30B	DICAMBA	4.00 S	1.20 LB/AC	EP												
31A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	2	0	100	100	90	0	98	95	88	0	125	16
31B	DICAMBA II	2.00 S	.40 LB/AC	EP												
32A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	98	0	98	100	92	0	116	15
32B	CN 6471	4.00 S	.40 LB/AC	EP												

Table 4: Corn Preplant Incorporated, Preemergence, Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/14 CRIV	5/16 CRIN	5/30 PESW	5/30 VELE	5/30 GIFI	5/30 CRIV	6/24 PESW	6/24 VELE	6/24 GIFI	6/24 CRIN	9/5 YLD	9/5 POP
33A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	98	100	100	0	122	13
33B	CN 291 13	50.00 WP	.40 LB/AC	EP												
34A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	82	100	98	0	70	100	92	0	112	16
34B	CN 4359/1	50.00 WP	.40 LB/AC	EP												
35A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	100	0	116	14
35B	CN 4359/1	50.00 WP	.60 LB/AC	EP												
36A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	98	0	110	14
36B	CN 4359/1	50.00 WP	1.20 LB/AC	EP												
37A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	92	0	90	98	90	0	119	15
37B	CN 4359/2	50.00 WP	.40 LB/AC	EP												
38A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	100	0	92	100	95	0	116	14
38B	CN 4359/3	50.00 WP	.40 LB/AC	EP												
39A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	5	0	98	100	98	0	95	100	90	0	116	15
39B	CN 4359/1	50.00 WP	.40 LB/AC	EP												
39C	SURFACTANT (X-77)	.50 WA	.50 %	EP												
40A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	95	0	92	98	95	0	110	14
40B	DICAMBA	4.00 S	.40 LB/AC	EP												
40C	SURFACTANT (X-77)	.50 WA	.50 %	EP												
41A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	18	0	98	100	98	0	92	100	100	0	113	14
41B	BROMOXYNIL 1	2.00 E	.25 LB/AC	EP												
42A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	45	20	100	100	98	0	98	100	100	0	110	15
42B	BROMOXYNIL 1	2.00 E	.50 LB/AC	EP												
43	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	100	0	0	0	100	0	87	15
44	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	17	82	0	0	0	98	0	95	15
			LSD(05):		NS	NS	18	30	NS	NS	24	42	14	NS	X	X

LOCATION: SOUTH FARM LEXINGTON SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 0 P, 0 K PH: 6.2 O.M.: 3.5%
DATE PLANTED: APRIL 29 DATE TREATED: APRIL 29 PRE & PPI
VARIETY: PIONEER 3369A MAY 11 EP
EP 0-2" WEEDS.

Table 5: Corn Postemergence, Study I—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 21 GRAS	BRLE	CRIN	GIFI	VELE	COCK	PRPW	JIWE	JAMG
1A	ATRAZINE	4.00 L	1.50 LB/AC	MP	52	98	0	52	92	100	100	100	100
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
2	CYANAZINE	80.00 WP	2.00 LB/AC	EP	60	82	2	60	100	52	98	100	100
3A	SD 15418	90.00 DF	2.00 LB/AC	EP	95	100	10	85	100	100	100	100	100
3B	DICAMBA	4.00 S	.50 LB/AC	EP									
4A	CYANAZINE	80.00 WP	2.00 LB/AC	EP	85	100	8	85	100	100	100	100	100
4B	DICAMBA	4.00 S	.50 LB/AC	EP									
5A	CYANAZINE	4.00 L	2.00 LB/AC	EP	92	100	28	92	100	100	100	100	100
5B	DICAMBA	4.00 S	.50 LB/AC	EP									
6	DICAMBA	4.00 S	.50 LB/AC	EP	18	95	5	18	95	100	100	100	98
7	DICAMBA	4.00 S	.25 LB/AC	MP	20	82	0	20	72	80	100	100	88
8	DICAMBA	4.00 S	.25 LB/AC	LP	0	90	8	0	72	90	100	100	100
9A	DICAMBA	4.00 S	.50 LB/AC	EP	32	95	8	32	90	100	100	95	100
9B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
10A	DICAMBA	4.00 S	.25 LB/AC	MP	12	100	2	12	100	100	98	100	100
10B	2,4-D AMINE	4.00 E	.25 LB/AC	MP									
11A	DICAMBA	4.00 S	.25 LB/AC	LP	28	98	8	28	100	92	100	100	100
11B	2,4-D AMINE	4.00 E	.25 LB/AC	LP									
12A	DICAMBA	4.00 S	.50 LB/AC	EP	88	100	8	88	100	100	100	100	100
12B	ATRAZINE	4.00 L	1.50 LB/AC	EP									
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
13	DICAMBA II	2.00 S	.50 LB/AC	MP	42	90	8	42	88	88	100	100	100
14	DICAMBA II	2.00 S	.25 LB/AC	LP	15	70	5	15	50	72	95	100	90
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	82	2	90	100	100	100	100	35
15B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
15C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD									
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	100	0	98	100	100	100	100	100
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
16C	2,4-D AMINE	4.00 E	.50 LB/AC	POD									
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD									
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	95	0	90	82	100	100	100	95
17B	DICAMBA	4.00 S	.50 LB/AC	EP									

Table 5: Corn Postemergence, Study I—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 21 GRAS	BRLE	CRIN	GIFT	VELE	COLQ	RRPW	JIMS	IAMG
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	98	8	90	90	98	100	98	100
18B	2,4-D AMINE	4.00 E	.50 LB/AC	EP									
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	70	2	80	35	68	100	95	75
19B	BROMOXYNIL 2	2.00 E	.13 LB/AC	MP									
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	85	5	82	72	90	100	100	100
20B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP									
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	98	8	78	90	100	100	100	100
21B	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP									
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	100	2	90	100	100	100	100	100
22B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP									
22C	ATRAZINE	4.00 L	1.25 LB/AC	MP									
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	92	5	95	85	100	100	100	100
23B	ATRAZINE	4.00 L	1.25 LB/AC	MP									
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
24	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	0	90	2	25	85	100	80	100	100
25A	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	35	100	0	35	100	100	100	100	100
25B	ATRAZINE	4.00 L	1.25 LB/AC	MP									
26A	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	32	100	5	32	100	100	100	100	98
26B	ATRAZINE	4.00 L	.50 LB/AC	MP									
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	92	5	92	92	95	100	95	88
27B	DACAMINE 360	3.00 EC	.21 LB/AC	EP									
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	98	20	95	92	100	100	92	98
28B	DACAMINE 360	3.00 EC	.47 LB/AC	EP									
29A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	78	98	0	78	100	100	100	100	92
29B	ATRAZINE	4.00 L	1.50 LB/AC	SPK									
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	2	100	100	100	100	100	100
30B	ATRAZINE	4.00 L	1.50 LB/AC	EP									
30C	DICAMBA	4.00 S	.50 LB/AC	EP									
31A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	80	100	0	80	92	100	100	100	100
31B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK									
32A	PENDIMETHALIN	50.00 DG	1.50 LB/AC	SPK	65	100	0	65	100	100	100	100	98
32B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK									

Table 5: Corn Postemergence, Study I—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 21 GRAS	BRLE	CRIN	GIFT	VELE	COLU	RRPW	JIMS	IAMG
33	R-40244	2.00 E	.25	LB/AC SPK	0	70	5	0	35	85	90	95	92
34	R-40244	2.00 E	.13	LB/AC SPK	30	35	8	30	0	48	25	75	40
35A	R-40244	2.00 E	.25	LB/AC SPK	0	52	8	0	28	62	75	38	55
35B	OIL CONCENTRATE	.00 AD	1.00	QT/AC SPK									
36A	R-40244	2.00 E	.13	LB/AC SPK	0	50	0	0	22	50	50	75	65
36B	OIL CONCENTRATE	.00 AD	1.00	QT/AC SPK									
37A	ALACHLOR	4.00 E	2.50	LB/AC PRE	95	50	2	95	22	50	100	75	12
37B	R-40244	2.00 E	.13	LB/AC SPK									
38	PPG 1259	3.00 FL	.10	LB/AC 2LF	0	50	0	0	38	35	55	72	68
39	PPG 1259	3.00 FL	.20	LB/AC 2LF	18	60	5	18	50	32	75	80	92
40	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100	100
				LSD(05):	24	15	8	26	21	27	28	23	22

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.0%
DATE PLANTED: MAY 3 DATE TREATED: 5-3 PRE
VARIETY: PIONEER 3369A 5-12 SPIKE, 5-14 2LF
5-24 EP, 5-28 MP

6-2 LP & POD. EP 0-2", MP 2-4", LP 4-6" WEEDS.

Table 6: Corn Postemergence, Study I—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIFI	VELE	COLQ	RRPW	JIMS	ILMG
1A	ATRAZINE	4.00 L	1.50 LB/AC	MP	0	35	88	100	100	100	95
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP							
2	CYANAZINE	80.00 WP	2.00 LB/AC	EP	0	48	100	42	92	100	100
3A	SD 15418	90.00 DF	2.00 LB/AC	EP	0	65	100	100	100	100	100
3B	DICAMBA	4.00 S	.50 LB/AC	EP							
4A	CYANAZINE	80.00 WP	2.00 LB/AC	EP	0	70	100	100	100	100	100
4B	DICAMBA	4.00 S	.50 LB/AC	EP							
5A	CYANAZINE	4.00 L	2.00 LB/AC	EP	2	72	100	100	100	100	100
5B	DICAMBA	4.00 S	.50 LB/AC	EP							
6	DICAMBA	4.00 S	.50 LB/AC	EP	2	10	95	100	100	100	98
7	DICAMBA	4.00 S	.25 LB/AC	MP	0	18	78	85	100	100	95
8	DICAMBA	4.00 S	.25 LB/AC	LP	0	0	72	90	100	100	100
9A	DICAMBA	4.00 S	.50 LB/AC	EP	0	18	90	100	100	95	100
9B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP							
10A	DICAMBA	4.00 S	.25 LB/AC	MP	2	5	100	100	98	100	100
10B	2,4-D AMINE	4.00 E	.25 LB/AC	MP							
11A	DICAMBA	4.00 S	.25 LB/AC	LP	5	10	100	92	100	100	100
11B	2,4-D AMINE	4.00 E	.25 LB/AC	LP							
12A	DICAMBA	4.00 S	.50 LB/AC	EP	2	72	100	100	100	100	100
12B	ATRAZINE	4.00 L	1.50 LB/AC	EP							
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP							
13	DICAMBA TI	2.00 S	.50 LB/AC	MP	2	30	88	82	92	100	100
14	DICAMBA TI	2.00 S	.25 LB/AC	LP	0	0	60	78	95	100	90
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	72	100	92	100	100	12
15B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD							
15C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD							
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	100	100	100	100	100
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD							
16C	2,4-D AMINE	4.00 E	.50 LB/AC	POD							
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD							
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	75	100	100	100	90
17B	DICAMBA	4.00 S	.50 LB/AC	EP							

Table 6: Corn Postemergence, Study I—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIFI	VELE	COLQ	RRPA	JIAE	ILMG
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	82	88	92	92	92
18B	2,4-D AMINE	4.00 E	.50 LB/AC	EP							
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	68	25	68	100	95	58
19B	BROMOXYNIL 2	2.00 E	.13 LB/AC	MP							
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	65	82	92	100	88
20B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP							
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	58	90	100	100	100	100
21B	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP							
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	100	100	100	100	100
22B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP							
22C	ATRAZINE	4.00 L	1.25 LB/AC	MP							
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	80	100	100	100	100
23B	ATRAZINE	4.00 L	1.25 LB/AC	MP							
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP							
24	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	2	0	85	100	80	100	100
25A	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	0	30	100	100	100	100	100
25B	ATRAZINE	4.00 L	1.25 LB/AC	MP							
26A	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	2	18	100	100	100	100	98
26B	ATRAZINE	4.00 L	.50 LB/AC	MP							
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	92	85	100	95	82
27B	DACAMINE 360	3.00 EC	.21 LB/AC	EP							
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	82	90	90	100	80	90
28B	DACAMINE 360	3.00 EC	.47 LB/AC	EP							
29A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	0	68	100	100	100	100	92
29B	ATRAZINE	4.00 L	1.50 LB/AC	SPK							
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	100	100	100	100	95
30B	ATRAZINE	4.00 L	1.50 LB/AC	EP							
30C	DICAMBA	4.00 S	.50 LB/AC	EP							
31A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	0	60	92	100	100	100	100
31B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK							
32A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	SPK	0	55	100	100	100	100	90
32B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK							

Table 6: Corn Postemergence, Study I—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIFI	VELE	COLO	BRPW	IPAE	ILMG
33	R-40244	2.00 E	.25 LB/AC	SPK	2	0	35	85	90	95	92
34	R-40244	2.00 E	.13 LB/AC	SPK	5	25	0	35	0	75	28
35A	R-40244	2.00 E	.25 LB/AC	SPK	0	0	15	62	75	38	55
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	SPK							
36A	R-40244	2.00 E	.13 LB/AC	SPK	0	0	22	50	50	75	58
36B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	SPK							
37A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	10	32	100	58	12
37B	R-40244	2.00 E	.13 LB/AC	SPK							
38	PPG 1259	3.00 FL	.10 LB/AC	2LF	0	0	38	32	55	70	62
39	PPG 1259	3.00 FL	.20 LB/AC	2LF	2	22	50	28	75	80	92
40	CHECK (CULTIVATED)	.00 CK	.00		0	98	100	82	100	85	92
				LSD(05):	4	24	22	27	26	25	20

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.8%
DATE PLANTED: MAY 3 DATE TREATED: 5-12 SPK
VARIETY: PIONEER 3369A 5-14 2LF
5-24 EP

3-28 MP, 6-2 LP & POD. EP 0-2", MP 2-4", LP 4-6".

Table 7: Corn Postemergence, Study II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--6 CRIN	6/11 PESW	6/11 VELE	6/11 GIFI	6/25 CRIN	6/25 PESW	6/25 VELE	6/25 GIFI	7/25 CRIN	7/25 PESW	7/25 VELE	7/25 GIFI
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	98	72	98	0	100	78	92	10	95	85	88
1B	DICAMBA	4.00 S	.24 LB/AC	16C												
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	98	70	92	18	100	75	92	25	92	68	75
2B	DICAMBA	4.00 S	.25 LB/AC	16C												
2C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	98	90	100	5	100	90	95	15	100	95	90
3B	DICAMBA	4.00 S	.50 LB/AC	16C												
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	40	75	88	98	35	75	75	95	40	100	100	88
4B	DICAMBA	4.00 S	1.00 LB/AC	16C												
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	100	52	95	2	100	58	92	5	98	68	92
5B	DICAMBA II	2.00 S	.25 LB/AC	16C												
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	100	75	98	5	100	88	92	20	98	90	88
6B	DICAMBA II	2.00 S	.25 LB/AC	16C												
6C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	100	72	95	20	100	85	92	28	100	85	88
7B	DICAMBA II	2.00 S	.50 LB/AC	16C												
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	100	80	98	0	98	85	98	18	98	85	85
8B	CN 6471	4.00 S	.25 LB/AC	16C												
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	100	82	95	0	100	88	92	8	100	92	85
9B	CN 6471	4.00 S	.25 LB/AC	16C												
9C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	100	88	99	2	100	90	98	12	100	85	92
10B	CN 6471	4.00 S	.50 LB/AC	16C												
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	98	55	100	0	100	60	95	8	95	65	88
11B	CN 291 13	50.00 WP	.25 LB/AC	16C												
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	100	88	95	0	98	92	85	8	98	90	82
12B	CN 291 13	50.00 WP	.25 LB/AC	16C												
12C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	10	100	68	98	10	100	88	90	10	100	82	92
13B	CN 291 13	50.00 WP	.50 LB/AC	16C												
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	98	78	98	0	98	80	95	8	98	90	92
14B	CN 1504	50.00 WP	.25 LB/AC	16C												
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	20	100	68	95	5	100	78	92	15	95	85	78
15B	CN 1504	50.00 WP	.25 LB/AC	16C												
15C	SURFACTANT (X-77)	.50 WA	.50 %	16C												

Table 7: Corn Postemergence, Study II (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--6	----------6/11 --------				----------6/25 --------				------7/25 -----		
					CRIN	PESW	VELE	GIET	CRIN	PESW	VELE	GIET	CRIN	PESW	VELE	GIET
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	22	100	70	90	18	100	95	88	18	98	90	75
16B	CN 1504	50.00 WP	.50 LB/AC	16C												
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	40	90	0	90	48	75	8	90	68	72
17B	CN 4359/1	50.00 WP	.25 LB/AC	16C												
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	98	65	90	0	98	75	88	0	95	82	80
18B	CN 4359/1	50.00 WP	.25 LB/AC	16C												
18C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	100	68	95	10	100	80	98	25	98	78	90
19B	CN 4359/1	50.00 WP	.50 LB/AC	16C												
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	100	90	100	20	100	90	95	32	100	92	95
20B	CN 4359/1	50.00 WP	1.00 LB/AC	16C												
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	60	58	92	0	72	82	82	8	72	80	75
21B	CN 4359/2	50.00 WP	.25 LB/AC	16C												
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	68	75	92	5	70	82	80	15	48	80	75
22B	CN 4359/2	50.00 WP	.25 LB/AC	16C												
22C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	92	55	98	5	98	80	90	5	92	65	88
23B	CN 4359/2	50.00 WP	.50 LB/AC	16C												
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	100	88	92	0	98	90	88	0	95	92	80
24B	CN 4359/3	50.00 WP	.25 LB/AC	16C												
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	68	100	0	80	70	95	2	92	92	85
25B	CN 4359/3	50.00 WP	.25 LB/AC	16C												
25C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	18	100	75	98	12	100	88	85	15	98	85	82
26B	CN 4359/3	50.00 WP	.50 LB/AC	16C												
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	100	72	98	0	98	82	100	10	100	92	95
27B	CN 4359/W	50.00 WP	.50 LB/AC	16C												
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	25	88	92	95	10	85	98	88	10	95	98	78
28B	2,4-D AMINE	4.00 E	.50 LB/AC	16C												
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	52	52	95	100	48	62	70	92	32	65	90	85
29B	2,4-D AMINE	4.00 E	.50 LB/AC	16C												
29C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	40	88	92	92	28	92	98	88	28	98	100	85
30B	2,4-D AMINE	4.00 E	1.00 LB/AC	16C												

Table 7: Corn Postemergence, Study II (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--6 CRIN	6/11 PESW	6/11 VELE	6/11 GIEI	6/25 CRIN	6/25 PESW	6/25 VELE	6/25 GIEI	7/25 CRIN	7/25 PESW	7/25 VELE	7/25 GIEI
31	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	25	100	0	0	0	95	5	0	0	100
32	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	100	0	0	0	100	0	0	0	0
				LSD(05):	16	22	38	8	14	23	31	10	16	14	24	17

LOCATION: SOUTH FARM LEXINGTON SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.2 O.M.: 3.5%
DATE PLANTED: APRIL 29 DATE TREATED: MAY 28 16C
VARIETY: PIONEER 3369A
16C = SIXTEEN INCH CORN.

Table 8: Corn Postemergence, Study III—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 21 GRAS	BRLE	CRIN	GIFI	VELE	JIME	IAMG	COCB
1A	ATRAZINE	4.00 L	2.00 LB/AC	EP	92	100	8	92	100	100	100	100
1B	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP								
2A	M-4127	4.00 E	.50 LB/AC	EP	100	100	8	100	100	100	100	100
2B	ATRAZINE	4.00 L	1.50 LB/AC	EP								
2C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP								
3A	M-4127	4.00 E	.50 LB/AC	EP	88	100	2	88	100	100	100	100
3B	ATRAZINE	4.00 L	1.00 LB/AC	EP								
3C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP								
4A	M-4127	4.00 E	.38 LB/AC	EP	100	100	12	100	100	100	100	100
4B	ATRAZINE	4.00 L	1.25 LB/AC	EP								
4C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP								
5A	M-4127	4.00 E	.38 LB/AC	EP	88	100	5	88	100	100	100	100
5B	ATRAZINE	4.00 L	1.00 LB/AC	EP								
5C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP								
6A	M-4127	4.00 E	.50 LB/AC	EP	88	100	8	88	100	100	100	98
6B	ATRAZINE	4.00 L	1.00 LB/AC	EP								
6C	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	EP								
7A	M-4127	4.00 E	.50 LB/AC	EP	72	100	8	72	100	100	100	100
7B	ATRAZINE	4.00 L	.50 LB/AC	EP								
7C	CYANAZINE	80.00 WP	.50 LB/AC	EP								
8A	ATRAZINE	4.00 L	2.00 LB/AC	MP	85	100	8	85	100	100	100	100
8B	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP								
9A	M-4127	4.00 E	.50 LB/AC	MP	75	100	2	75	100	100	100	100
9B	ATRAZINE	4.00 L	1.50 LB/AC	MP								
9C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP								
10A	M-4127	4.00 E	.50 LB/AC	MP	60	100	5	60	100	100	100	100
10B	ATRAZINE	4.00 L	1.00 LB/AC	MP								
10C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP								
11A	M-4127	4.00 E	.38 LB/AC	MP	90	100	8	90	100	100	100	100
11B	ATRAZINE	4.00 L	1.50 LB/AC	MP								
11C	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP								
12A	M-4127	4.00 E	.38 LB/AC	MP	70	100	5	70	100	100	100	100
12B	ATRAZINE	4.00 L	1.50 LB/AC	MP								
12C	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP								
13A	M-4127	4.00 E	.50 LB/AC	MP	88	100	8	88	100	100	100	100
13B	ATRAZINE	4.00 L	1.50 LB/AC	MP								
13C	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP								

Table 8: Corn Postemergence, Study III—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JUNE 21 GRAS	BRLE	CRIN	GIFI	VELE	JIME	IAMG	COCB
14A	M-4127	4.00 E	.50	LB/AC	MP	62	100	8	62	100	100	100	98
14B	ATRAZINE	4.00 L	.50	LB/AC	MP								
14C	CYANAZINE	80.00 WP	.50	LB/AC	MP								
15A	ALACHLOR PKG MIX	2.50 L	2.50	LB/AC	PRE	95	65	5	95	58	100	68	98
15B	WITH ATRAZINE	1.50	1.50		PRE								
16	METALACHLOR + ATRAZI	4.50 F	3.60	LB/AC	PRE	95	45	2	95	40	100	60	45
17	ALACHLOR	4.00 E	2.50	LB/AC	PRE	92	32	0	92	50	58	15	22
18	METOLACHLOR	8.00 E	2.50	LB/AC	PRE	90	25	0	90	0	52	50	0
19	ATRAZINE	90.00 WDG	2.00	LB/AC	PRE	88	60	2	88	40	100	90	45
20	CHECK (CULTIVATED)	.00 CK	.00			100	100	0	100	100	100	100	100
				LSD(05):		14	17	10	14	30	21	28	21

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.2 O.M.: 2.8%
DATE PLANTED: MAY 3 DATE TREATED: MAY 24 EP
VARIETY: PIONEER 3369A MAY 28 MP
EP 0-2", MP 2-4" WEEDS.

Table 9: Corn Postemergence, Study III—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIFI	VELE	JIWE	IAMG	COCB
1A	ATRAZINE	4.00 L	2.00 LB/AC	EP	0	85	100	100	100	100
1B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	EP						
2A	M-4127	4.00 E	.50 LB/AC	EP	0	98	100	100	100	100
2B	ATRAZINE	4.00 L	1.50 LB/AC	EP						
2C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	EP						
3A	M-4127	4.00 E	.50 LB/AC	EP	0	72	100	100	100	100
3B	ATRAZINE	4.00 L	1.00 LB/AC	EP						
3C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	EP						
4A	M-4127	4.00 E	.38 LB/AC	EP	0	95	100	100	100	100
4B	ATRAZINE	4.00 L	1.25 LB/AC	EP						
4C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	EP						
5A	M-4127	4.00 E	.38 LB/AC	EP	0	72	100	100	100	100
5B	ATRAZINE	4.00 L	1.00 LB/AC	EP						
5C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	EP						
6A	M-4127	4.00 E	.50 LB/AC	EP	0	68	100	100	100	100
6B	ATRAZINE	4.00 L	1.00 LB/AC	EP						
6C	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	EP						
7A	M-4127	4.00 E	.50 LB/AC	EP	0	50	100	100	100	100
7B	ATRAZINE	4.00 L	.50 LB/AC	EP						
7C	CYANAZINE	80.00 WP	.50 LB/AC	EP						
8A	ATRAZINE	4.00 L	2.00 LB/AC	MP	0	68	100	100	100	100
8B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP						
9A	M-4127	4.00 E	.50 LB/AC	MP	0	58	100	100	100	100
9B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
9C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP						
10A	M-4127	4.00 E	.50 LB/AC	MP	0	30	100	100	100	100
10B	ATRAZINE	4.00 L	1.00 LB/AC	MP						
10C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP						
11A	M-4127	4.00 E	.38 LB/AC	MP	0	78	100	100	100	100
11B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
11C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP						
12A	M-4127	4.00 E	.38 LB/AC	MP	0	58	100	100	100	100
12B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
12C	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP						
13A	M-4127	4.00 E	.50 LB/AC	MP	0	72	100	100	100	100
13B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
13C	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP						

Table 9: Corn Postemergence, Study III—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIFI	VELE	JIWE	IAMG	CQCI
14A	M-4127	4.00 E	.50	LB/AC MP	0	48	100	100	100	100
14B	ATRAZINE	4.00 L	.50	LB/AC MP						
14C	CYANAZINE	80.00 WP	.50	LB/AC MP						
15A	ALACHLOR PKG MIX	2.50 L	2.50	LB/AC PRE	0	90	60	100	62	68
15B	WITH ATRAZINE	1.50	1.50	PRE						
16	METALACHLOR + ATRAZI	4.50 F	3.60	LB/AC PRE	0	92	32	100	62	15
17	ALACHLOR	4.00 E	2.50	LB/AC PRE	0	88	55	58	8	20
18	METOLACHLOR	8.00 E	2.50	LB/AC PRE	0	85	10	70	52	25
19	ATRAZINE	90.00 WDG	2.00	LB/AC PRE	0	60	20	100	90	25
20	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100
				LSD(05):	NS	19	28	19	21	30

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.2 O.M.: 2.8%
DATE PLANTED: MAY 3 DATE TREATED: MAY 24 EP
VARIETY: PIONEER 3369A MAY 28 MP
EP 0-2", MP 2-4" WEEDS.

Table 10: Corn No-Tillage in Fescue Sod

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--6	JULY 9					AUGUST 4					
					SOKI	GRAS	BRLE	CRIN	LACG	RRPW	SOKI	GRAS	BRLE	CRIN	LACG	RRPW
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	88	95	0	88	95	85	75	82	0	75	82
1B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
1D	SURFACTANT (X-77)	.50 WA	.06 %	PRE												
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	98	92	0	98	92	100	88	80	0	88	80
2B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
2C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
2D	SURFACTANT (X-77)	.50 WA	.13 %	PRE												
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	90	92	0	90	92	95	72	85	0	72	85
3B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
3D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	95	95	0	95	95	100	88	85	0	88	85
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
4C	PARAQUAT	2.00 E	.50 LB/AC	PRE												
4D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
5A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	62	90	95	0	90	95	92	80	80	0	80	80
5B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
6A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	58	92	92	0	92	92	80	75	75	0	75	75
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	62	92	95	0	92	95	98	85	92	0	85	92
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	62	95	95	0	95	95	95	70	85	0	70	85
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
8C	SC 0224	4.00 LC	2.00 LB/AC	PRE												
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	90	95	0	90	95	78	78	88	0	78	88
9B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
9C	NC 28260	95.00 WP	1.00 LB/AC	PRE												
9D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE												
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	92	92	0	92	92	92	78	78	0	78	78
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
10C	NC 28260	95.00 WP	2.00 LB/AC	PRE												
10D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE												
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	50	90	95	0	90	95	50	58	90	0	58	90
11B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
11C	HOE 661	1.67 E	.25 LB/AC	PRE												

Table 10: Corn No-Tillage in Fescue Sod (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5	JULY 9					AUGUST 4					
					SOKI	GRAS	BRLE	CRIN	LACG	RRPM	SOKI	GRAS	BRLE	CRIN	LACG	RRPM
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	90	98	0	90	98	70	72	78	0	72	78
12B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
12C	HOE 661	1.67 E	.50 LB/AC	PRE												
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	90	92	0	90	92	72	70	82	0	70	82
13B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
13C	HOE 661	1.67 E	.63 LB/AC	PRE												
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	92	92	0	92	92	88	78	82	0	78	82
14B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
14C	HOE 661	1.67 E	.75 LB/AC	PRE												
15A	BUTYLATE + R-25788	4.00 S	4.00 LB/AC	PRE	75	90	95	0	90	95	92	82	78	0	82	78
15B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
15C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
15D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
16A	BUTYLATE + R-25788	4.00 S	6.00 LB/AC	PRE	68	90	92	0	90	92	85	75	82	0	75	82
16B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
16C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
16D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
17A	BUTYLATE + R-25788	4.00 S	6.00 LB/AC	PRE	38	90	92	0	90	92	38	58	82	0	58	82
17B	PARAQUAT	2.00 E	.25 LB/AC	PRE												
17C	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
18A	CP 55097	8.00 EC	2.50 LB/AC	PRE	82	90	92	0	90	92	92	80	82	0	80	82
18B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
18C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
18D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
19A	CP 55097	8.00 EC	2.50 LB/AC	PRE	65	88	90	0	88	90	90	75	85	0	75	85
19B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
19C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE												
20A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	90	92	92	0	92	92	95	85	85	0	85	85
20B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
20C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
20D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	62	88	95	0	88	95	80	72	85	0	72	85
21B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
21C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE												
22A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	98	92	0	98	92	100	88	80	0	88	80
22B	ATRAZINE	4.00 L	1.00 LB/AC	PRE												
22C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
22D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												

Table 10: Corn No-Tillage in Fescue Sod (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5	JULY 9					AUGUST 4					
					SOYI	GRAS	BRLE	CRIN	LACG	RRPW	SOYI	GRAS	BRLE	CRIN	LACG	RRPW
23A	ALACHLOR	4.00 E	2.50	LB/AC PRE	68	90	92	0	90	92	72	75	78	0	75	78
23B	ATRAZINE	4.00 L	1.50	LB/AC PRE												
23C	SETHOXYDIM	1.53 EC	.20	LB/AC PRE												
23D	OIL CONCENTRATE	.00 AD	1.00	QT/AC PRE												
24A	ALACHLOR	4.00 E	2.50	LB/AC PRE	75	88	90	0	85	90	72	65	85	0	65	85
24B	ATRAZINE	4.00 L	1.50	LB/AC PRE												
24C	SETHOXYDIM	1.53 EC	.40	LB/AC PRE												
24D	OIL CONCENTRATE	.00 AD	1.00	QT/AC PRE												
				LSD(05):	11	NS	NS	NS	NS	NS	13	11	NS	NS	11	NS

LOCATION: SPILDLETOPNDLETOP FA SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.0%
DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PREEMERGENCE
VARIETY: PIONEER 3369A

Table 11: Corn No-Tillage in Stalkland, Study I

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BBLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BBLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW
1A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	92	0	88	92	85	90	0	85	90
1B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
1C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
2A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	92	0	88	92	82	85	0	82	85
2B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
2C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	100	45	90	100	85	98	20	85	98
3B	SIMAZINE	4.00 L	1.50 LB/AC	PRE										
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
3D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
3E	DICAMBA	4.00 S	.50 LB/AC	EP										
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	98	0	90	98	85	88	0	85	88
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
4C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	98	0	85	98	82	95	0	82	95
5B	ATRAZINE	4.00 L	2.00 LB/AC	PRE										
5C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	82	100	0	82	100	80	98	0	80	98
6B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
6C	PARAQUAT	2.00 E	.50 LB/AC	PRE										
6D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	98	0	85	98	75	98	0	75	98
7B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
7C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
7D	SURFACTANT (X-77)	.50 WA	.06 %	PRE										
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	80	98	0	80	98	80	98	0	80	98
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
8C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
8D	SURFACTANT (X-77)	.50 WA	.13 %	PRE										
9A	PARAQUAT	2.00 E	.25 LB/AC	PRE	95	100	0	95	100	90	98	0	90	98
9B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
9C	M-4127	4.00 E	.50 LB/AC	EP										
9D	ATRAZINE	4.00 L	1.50 LB/AC	EP										
9E	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	EP										
10A	PARAQUAT	2.00 E	.25 LB/AC	PRE	100	100	0	100	100	98	98	0	98	98
10B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
10C	M-4127	4.00 E	.75 LB/AC	EP										
10D	ATRAZINE	4.00 L	1.50 LB/AC	EP										
10E	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	EP										

Table 11: Corn No-Tillage in Stalkland, Study I (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW
11A	PARAQUAT	2.00 E	.25 LB/AC	PRE	98	98	0	98	98	95	100	0	95	100
11B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
11C	M-4127	4.00 E	.50 LB/AC	EP										
11D	ATRAZINE	4.00 L	1.50 LB/AC	EP										
11E	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	EP										
12A	PARAQUAT	2.00 E	.25 LB/AC	PRE	92	100	0	92	100	92	100	0	92	100
12B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
12C	M-4127	4.00 E	.50 LB/AC	MP										
12D	ATRAZINE	4.00 L	1.50 LB/AC	MP										
12E	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP										
13A	PARAQUAT	2.00 E	.25 LB/AC	PRE	98	100	0	98	100	92	100	0	92	100
13B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
13C	M-4127	4.00 E	.75 LB/AC	MP										
13D	ATRAZINE	4.00 L	1.50 LB/AC	MP										
13E	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP										
14A	PARAQUAT	2.00 E	.25 LB/AC	PRE	88	100	0	88	100	85	100	0	85	100
14B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
14C	M-4127	4.00 E	.50 LB/AC	MP										
14D	ATRAZINE	4.00 L	1.50 LB/AC	MP										
14E	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP										
15A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	100	100	0	100	100	95	100	0	95	100
15B	M-4127	4.00 E	.50 LB/AC	EP										
15C	ATRAZINE	4.00 L	1.50 LB/AC	EP										
15D	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP										
16A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	98	98	0	98	98	98	98	0	98	98
16B	M-4127	4.00 E	.50 LB/AC	MP										
16C	ATRAZINE	4.00 L	1.50 LB/AC	MP										
16D	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP										
17A	PARAQUAT	2.00 E	.25 LB/AC	PRE	95	100	0	95	100	98	100	0	98	100
17B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
17C	M-4127	4.00 E	.50 LB/AC	MP										
17D	ATRAZINE	4.00 L	1.50 LB/AC	MP										
17E	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP										
18A	PARAQUAT	2.00 E	.25 LB/AC	PRE	100	100	0	100	100	98	100	0	98	100
18B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
18C	M-4127	4.00 E	.50 LB/AC	EP										
18D	ATRAZINE	4.00 L	1.50 LB/AC	EP										
18E	CYANAZINE	80.00 WP	1.00 LB/AC	EP										
19A	CP 55097	8.00 EC	2.00 LB/AC	PRE	80	100	0	80	100	65	98	0	65	98
19B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
19C	PARAQUAT	2.00 E	.25 LB/AC	PRE										

Table 11: Corn No-Tillage in Stalkland, Study I (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 BRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 BRPW
20A	CP 55097	8.00 EC	2.50 LB/AC	PRE	78	100	0	78	100	75	98	0	75	98
20B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
20C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
20D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
21A	CP 55097	8.00 EC	2.00 LB/AC	PRE	70	82	0	70	82	60	92	0	60	92
21B	ATRAZINE	4.00 L	1.60 LB/AC	PRE										
21C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE										
22A	CP 55097	8.00 EC	2.50 LB/AC	PRE	82	92	0	82	92	80	98	0	80	98
22B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
22C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE										
23A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	80	95	0	80	95	72	98	0	72	98
23B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	90	100	0	90	100	80	100	0	80	100
24B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
24C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
24D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
25A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	82	100	0	82	100	80	98	0	80	98
25B	ATRAZINE	4.00 L	2.00 LB/AC	PRE										
25C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
25D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
26A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	95	0	85	95	78	92	0	78	92
26B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
26C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
27A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	98	0	85	98	80	98	0	80	98
27B	ATRAZINE	4.00 L	2.00 LB/AC	PRE										
27C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
28A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	92	98	0	92	98	85	95	0	85	95
28B	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
28C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
28D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
29A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	100	0	88	100	78	98	0	78	98
29B	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
29C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
30A	SD 12011	4.00 L	2.00 LB/AC	PRE	75	92	0	75	92	62	95	0	62	95
30B	PARAQUAT	2.00 E	.25 LB/AC	PRE										
30C	SURFACTANT (X-77)	.50 WA	.25 %	PRE										

Table 11: Corn No-Tillage in Stalkland, Study I (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIV	JULY 28 LACG	JULY 28 RRPW
31A	SD 12011	4.00 L	2.00 LB/AC	PRE	78	95	0	78	95	70	95	0	70	95
31B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
32A	SD 15418	90.00 DF	3.00 LB/AC	PRE	88	92	0	88	92	75	90	0	75	90
32B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
33A	CYANAZINE	80.00 WP	3.00 LB/AC	PRE	90	98	0	90	98	85	95	0	85	95
33B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
34A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	88	88	0	88	88	80	92	0	80	92
34B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE										
35A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	75	92	0	75	92	60	98	0	60	98
35B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
35C	SC 0224	4.00 LC	2.00 LB/AC	PRE										
36A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	78	95	0	78	95	75	98	0	75	98
36B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
36C	SC 0224	4.00 LC	1.50 LB/AC	PRE										
37A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	75	100	0	75	100	75	98	0	75	98
37B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
37C	SC 0224	4.00 LC	.75 LB/AC	PRE										
38A	R-40244	2.00 E	1.00 LB/AC	PRE	80	95	25	80	95	75	98	18	75	98
38B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
38C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
38D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
39A	R-40244	2.00 E	2.00 LB/AC	PRE	88	100	28	88	100	88	98	20	88	98
39B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
39C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
39D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
40	R-40244	2.00 E	1.00 LB/AC	PRE	70	90	0	70	90	72	88	0	72	88
41	R-40244	2.00 E	2.00 LB/AC	PRE	80	100	18	80	100	78	100	5	78	100
42A	R-40244	2.00 E	1.00 LB/AC	PRE	78	98	20	78	100	65	98	15	65	98
42B	SC 0224	4.00 LC	2.00 LB/AC	PRE										
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	95	0	85	95	78	95	0	78	95
43B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
43C	HOE 561	1.67 E	.25 LB/AC	PRE										
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	95	0	85	95	82	95	0	82	95
44B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
44C	HOE 561	1.67 E	.50 LB/AC	PRE										

Table 11: Corn No-Tillage in Stalkland, Study I (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW
45A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	88	95	0	88	95	85	90	0	85	90
45B	CYANAZINE	4.00 L	2.00 LB/AC	PRE										
45C	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
45D	PARAQUAT	2.00 E	.25 LB/AC	PRE										
45E	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
46A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	90	98	0	90	98	82	95	0	82	95
46B	CYANAZINE	4.00 L	2.00 LB/AC	PRE										
46C	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
46D	PARAQUAT	2.00 E	.25 LB/AC	PRE										
46E	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	98	0	78	98	72	90	0	72	90
47B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
47C	NC 28260	95.00 WP	1.00 LB/AC	PRE										
47D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE										
48A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	95	0	82	95	78	98	0	78	98
48B	ATRAZINE	4.00 L	1.50 LB/AC	PRE										
48C	NC 28260	95.00 WP	2.00 LB/AC	PRE										
48D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE										
			LSD(05):		12	7	7	12	7	16	NS	6	16	10

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.5%
DATE PLANTED: MAY 10 DATE TREATED: JUNE 2 EP
VARIETY: PIONEER 3369A JUNE 11 MP
EP 0-2", MP 2-4" WEEDS.

Table 12: Corn No-Tillage in Stalkland, Study II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 10 GRAS	JUNE 10 BRLE	JUNE 10 CRIN	JUNE 10 LACG	JUNE 10 RRPW	JULY 9 GRAS	JULY 9 BRLE	JULY 9 CRIN	JULY 9 LACG	JULY 9 RRPW
1A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	90	95	0	90	95	85	92	0	85	92
1B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
1D	SURFACTANT (X-77)	.50 WA	.50 %	PRE										
2A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	82	92	0	82	92	75	90	0	75	90
2B	CYANAZINE	4.00 L	2.00 LB/AC	PRE										
2C	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
2D	PARAQUAT	2.00 E	.25 LB/AC	PRE										
2E	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
3A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	95	0	88	95	80	88	0	80	88
3B	ATRAZINE	4.00 L	1.00 LB/AC	PRE										
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
3D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
4A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	88	90	0	88	90	82	85	0	82	85
4B	CYANAZINE	4.00 L	2.50 LB/AC	PRE										
4C	PARAQUAT	2.00 E	.25 LB/AC	PRE										
4D	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
5A	SD 15418	90.00 DF	3.00 LB/AC	2WK	85	90	0	85	90	75	85	0	75	85
5B	ATRAZINE	4.00 L	1.50 LB/AC	2WK										
6A	CYANAZINE II	90.00 DF	3.00 LB/AC	2WK	68	88	0	68	88	58	82	0	68	82
6B	ATRAZINE	4.00 L	1.50 LB/AC	2WK										
7A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	60	90	0	60	90	52	88	0	52	88
7B	METOLACHLOR	8.00 E	2.00 LB/AC	2WK										
8A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	62	88	0	62	88	60	72	0	60	72
8B	ALACHLOR	4.00 E	2.00 LB/AC	2WK										
9A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	62	88	0	62	88	58	82	0	58	82
9B	ATRAZINE	90.00 WDG	.80 LB/AC	2WK										
10A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	70	85	0	70	85	65	78	0	65	78
10B	ATRAZINE	4.00 L	.80 LB/AC	2WK										
11A	CYANAZINE	4.00 L	2.60 LB/AC	2WK	70	88	0	70	88	50	80	0	50	80
11B	MD 70434	50.00 WP	.38 LB/AC	2WK										
12A	CYANAZINE	4.00 L	2.40 LB/AC	2WK	75	85	0	75	85	65	80	0	65	80
12B	MD 70434	50.00 WP	.60 LB/AC	2WK										
13	CYANAZINE	4.00 L	2.40 LB/AC	2WK	48	70	0	48	70	42	68	0	42	68

Table 12: Corn No-Tillage in Stalkland, Study II (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 9 GRAS	JULY 9 BRLE	JULY 9 CRIN	JULY 9 LACG	JULY 9 RRPW
14A	CYANAZINE	4.00 L	2.60 LB/AC	PRE	88	85	0	88	85	82	80	0	82	80
14B	MD 70434	50.00 WP	.38 LB/AC	PRE										
15A	CYANAZINE	4.00 L	2.40 LB/AC	PRE	90	100	0	90	100	88	92	0	88	92
15B	MD 70434	50.00 WP	.60 LB/AC	PRE										
16	CYANAZINE	4.00 L	2.40 LB/AC	PRE	82	90	0	82	90	75	88	0	75	88
17A	SD 15418	90.00 DF	3.00 LB/AC	4WK	50	92	0	50	92	40	85	0	40	85
17B	ATRAZINE	90.00 WDG	1.00 LB/AC	4WK										
17C	PARAQUAT	2.00 E	.25 LB/AC	4WK										
17D	SURFACTANT (X-77)	.50 WA	.25 %	4WK										
18A	SD 15418	90.00 DF	3.00 LB/AC	4WK	50	95	0	50	95	45	92	0	45	92
18B	METOLACHLOR	8.00 E	2.00 LB/AC	4WK										
18C	GLYPHOSATE	4.00 E	1.50 LB/AC	4WK										
19A	SD 15418	90.00 DF	3.00 LB/AC	4WK	52	70	0	52	70	40	65	0	40	65
19B	ALACHLOR	4.00 E	2.00 LB/AC	4WK										
19C	2,4-D ESTER	4.00 E	1.00 LB/AC	4WK										
20A	CYANAZINE	4.00 L	3.00 LB/AC	4WK	25	80	0	25	80	20	80	0	20	80
20B	ATRAZINE	90.00 WDG	1.00 LB/AC	4WK										
20C	PARAQUAT	2.00 E	.25 LB/AC	4WK										
20D	SURFACTANT (X-77)	.50 WA	.25 %	4WK										
21A	CYANAZINE	4.00 L	3.00 LB/AC	4WK	65	88	0	65	88	62	82	0	62	82
21B	METOLACHLOR	8.00 E	2.00 LB/AC	4WK										
21C	GLYPHOSATE	4.00 E	1.50 LB/AC	4WK										
22A	CYANAZINE	4.00 L	3.00 LB/AC	4WK	48	72	0	48	72	40	70	0	40	70
22B	ALACHLOR	4.00 E	2.00 LB/AC	4WK										
22C	2,4-D ESTER	4.00 E	1.00 LB/AC	4WK										
23	CYANAZINE	4.00 L	3.50 LB/AC	4WK	35	65	0	35	65	32	62	0	32	62
24A	CYANAZINE	4.00 L	3.50 LB/AC	4WK	40	78	0	40	78	30	78	0	30	78
24B	ATRAZINE	4.00 L	.80 LB/AC	4WK										
			LSD(05):		20	15	NS	20	15	20	16	NS	20	16

LOCATION: SPINDLETOP FARM
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K
PH: 6.4 O.M.: 4.0%
DATE PLANTED: MAY 10
DATE TREATED: APRIL 12 4WK PR PLNT
APRIL 26 2WK PR PLNT
MAY 10 PREEMERGENCE
VARIETY: PIONEER 3369A

Table 13: Corn—Johnsongrass, Seedling

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5-27 -- JOGR	CRIN	---6-10 -- JOGR	CRIN	---6-24 -- JOGR	CRIV	----7-7 -- JOGR	CRIV	---7-22 -- JOGR	CRIN
1	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	98	0	88	0	78	0	78	0
2	BUTYLATE + R-25788	6.70 E	6.00 LB/AC	PPI	100	0	100	0	92	0	88	0	82	0
3	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	98	0	95	0	92	0
4	EPTC + R-25788	6.70 E	6.00 LB/AC	PPI	100	0	100	0	98	0	98	0	98	0
5A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	100	0	88	0	80	0	80	0
5B	WITH R-33865	1.00	.67	PPI										
6A	BUTYLATE PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	0	98	0	90	0	85	0	85	0
6B	WITH R-33865	1.00	1.00	PPI										
7A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	100	0	100	0	100	0	100	0
7B	WITH R-33865	1.00	.67	PPI										
8A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	0	100	2	100	0	100	0	100	0
8B	WITH R-33865	1.00	1.00	PPI										
9	ALACHLOR	4.00 E	3.00 LB/AC	PPI	100	0	78	0	62	0	42	0	45	0
10	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	0	92	0	78	0	58	0	70	0
11	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	100	0	90	0	78	0	52	0	65	0
12	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	100	0	88	0	70	0	58	0	60	0
13A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	95	0	98	0	95	0	100	0
13B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY										
14A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	100	0	100	0	100	0
14B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY										
15A	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	0	90	0	90	0	90	0	90	0
15B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY										
16A	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	100	0	95	0	92	0	90	0	88	0
16B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY										
17A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	95	0	95	0	92	0	92	0
17B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY										
18A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	100	0	100	0	100	0
18B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY										
19A	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	0	88	0	90	0	80	0	78	0
19B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY										

Table 13: Corn—Johnsongrass, Seedling (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5-27 -- JOGR	CRIN	---6-10 -- JOGR	CRIN	---6-24 -- JOGR	CRIN	----7-7 -- JOGR	CRIN	---7-22 -- JOGR	CRIN
20A	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	100	0	92	0	95	0	92	0	92	0
20B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY										
21A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	100	0	65	0	82	0	70	0	68	0
21B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY										
22	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	100	0	60	0	40	0	28	0	25	0
23	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0	68	0	58	0	42	0
24	CHECK (UNCULTIVATED)	.00 CK	.00		100	0	0	0	0	0	0	0	0	0
25A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	100	0	100	2	100	0	98	0	92	0
25B	SC 7432	.95 E	.66 LB/AC	PPI										
26A	EPTC + R-25788	5.70 E	6.00 LB/AC	PPI	100	0	100	0	100	0	98	0	95	0
26B	SC 7432	.95 E	1.00 LB/AC	PPI										
				LSD(05):	**	**	**	**	**	**	**	**	**	**

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.3 O.M.: 4.0%
DATE PLANTED: MAY 13 DATE TREATED: MAY 13 PPI & PRE
VARIETY: PIONEER 3369A JUNE 12 LBY

Table 14: Corn—Velvetleaf

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	----6/7 -- VELE	CRIN
1	NC 29152	1.67 E	.13	LB/AC	PRE	5	0
2	NC 29152	1.67 E	.25	LB/AC	PRE	18	0
3	NC 29152	1.67 E	.50	LB/AC	PRE	55	0
4A	NC 29152	1.67 E	.13	LB/AC	PRE	2	0
4B	ATRAZINE	4.00 L	1.00	LB/AC	PRE		
5A	NC 29152	1.67 E	.25	LB/AC	PRE	22	0
5B	ATRAZINE	4.00 L	1.00	LB/AC	PRE		
6A	NC 29152	1.67 E	.13	LB/AC	PRE	2	0
6B	ALACHLOR	4.00 E	1.50	LB/AC	PRE		
7A	NC 29152	1.67 E	.25	LB/AC	PRE	10	0
7B	ALACHLOR	4.00 E	1.50	LB/AC	PRE		
8A	NC 29152	1.67 E	.50	LB/AC	PRE	62	0
8B	ALACHLOR	4.00 E	1.50	LB/AC	PRE		
9	NC 23909	1.67 E	.25	LB/AC	PRE	5	0
10	NC 23909	1.67 E	.50	LB/AC	PRE	30	0
11	NC 23909	1.67 E	1.00	LB/AC	PRE	75	0
12A	NC 23909	1.67 E	.25	LB/AC	PRE	15	0
12B	ATRAZINE	4.00 L	1.00	LB/AC	PRE		
13A	NC 23909	1.67 E	.50	LB/AC	PRE	30	0
13B	ATRAZINE	4.00 L	1.00	LB/AC	PRE		
14A	ALACHLOR	4.00 E	1.50	LB/AC	PRE	0	0
14B	ATRAZINE	4.00 L	1.00	LB/AC	PRE		
15	ALACHLOR	4.00 E	2.50	LB/AC	PRE	2	0
16	METOLACHLOR	8.00 E	2.50	LB/AC	PRE	2	0
17	ATRAZINE	4.00 L	2.00	LB/AC	PRE	12	0
18	CHECK (CULTIVATED)	.00 CK	.00			100	0
				LSD(05):		24	NS

Table 14: Corn—Velvetleaf (continued)

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 5.9 O.M.: 0.1%
DATE PLANTED: MAY 3 DATE TREATED: MAY 3 PREEMERGENCE
VARIETY: PIONEER 3369A

Table 15: Corn—Yellow Nutsedge

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YENS	CRIN	---7/11 -- YENS	CRIN
1	ALACHLOR	4.00 E	3.00 LB/AC	PPI	95	0	88	0
2	ALACHLOR	4.00 E	4.00 LB/AC	PPI	98	0	90	0
3	ALACHLOR	4.00 E	3.00 LB/AC	PRE	80	0	65	0
4	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	95	0	92	0
5	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	95	0	92	0
6	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	98	0	95	0
7	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	0	75	0
8	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	85	0	70	0
9	CP 55097	8.00 EC	2.50 LB/AC	PPI	100	0	92	0
10	CP 55097	8.00 EC	3.00 LB/AC	PPI	98	0	92	0
11A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	92	0	80	0
11B	ATRAZINE	4.00 L	3.00 LB/AC	EP				
11C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
12A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	80	0	70	0
12B	ATRAZINE	4.00 L	1.00 LB/AC	EP				
12C	M-4127	4.00 E	.75 LB/AC	EP				
12D	CROP OIL (SUN 11E)	.00 AD	.50 QT/AC	EP				
13A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	98	0	95	0
13B	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
14A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	92	0
14B	WITH R-33865	1.00	.67	PPI				
14C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
15A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	100	0	98	0
15B	SC 7432	.95 E	.66 LB/AC	PPI				
15C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
16A	EPTC + R-25788	5.70 E	6.00 LB/AC	PPI	100	0	98	0
16B	SC 7432	.95 E	1.00 LB/AC	PPI				
16C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
17A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	90	0	75	0
17B	ATRAZINE	4.00 L	1.50 LB/AC	PPI				

Table 15: Corn—Yellow Nutsedge (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YENS	CRIN	---7/11 -- YENS	CRIN
18A	VERNOLATE+ PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	90	0
18B	WITH R-33865	1.00	.67	PPI				
18C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
19A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	98	0	92	0
19B	WITH R-33865	1.00	.66	PPI				
19C	ATRAZINE	4.00 L	1.50 LB/AC	PPI				
20A	BENTAZON	4.00 E	1.00 LB/AC	MP	100	0	98	0
20B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
21A	BENTAZON	4.00 E	1.00 LB/AC	LP	92	0	82	0
21B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
22	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0
				LSD(05):	8	NS	10	NS

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.3 O.M.: 2.8%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PRE &PPI
VARIETY: PIONEER 3369A MAY 24 EP
JUNE 3 MP

JUNE 9 LP, EP 2LF, MP 4LF, LP 6LF.

Table 16: Corn—Yellow Nutsedge—Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/11 -- YENS	CRIN	---7/11 -- YENS	CRIN
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	82	0
1B	MBR 20457	4.00 S	1.50 LB/AC	PRE				
1C	PROTECT	.00 WA	1.00 %	SED				
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	82	0
2B	MBR 20457	4.00 S	2.00 LB/AC	PRE				
2C	PROTECT	.00 WA	1.00 %	SED				
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	95	0
3B	MBR 20457	4.00 S	3.00 LB/AC	PRE				
3C	PROTECT	.00 WA	1.00 %	SED				
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	100	0
4B	MBR 20457	4.00 S	4.00 LB/AC	PRE				
4C	PROTECT	.00 WA	1.00 %	SED				
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	85	0
5B	MBR 23709	2.00 S	1.50 LB/AC	PRE				
5C	PROTECT	.00 WA	1.00 %	SED				
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	82	0
6B	MBR 23709	2.00 S	2.00 LB/AC	PRE				
6C	PROTECT	.00 WA	1.00 %	SED				
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	90	0
7B	MBR 23709	2.00 S	3.00 LB/AC	PRE				
7C	PROTECT	.00 WA	1.00 %	SED				
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	88	0
8B	MBR 23709	2.00 S	4.00 LB/AC	PRE				
8C	PROTECT	.00 WA	1.00 %	SED				
9A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	88	0
9B	MBR 22359	2.00 E	1.50 LB/AC	PRE				
9C	PROTECT	.00 WA	1.00 %	SED				
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	80	0
10B	MBR 22359	2.00 E	2.00 LB/AC	PRE				
10C	PROTECT	.00 WA	1.00 %	SED				
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	85	0
11B	MBR 22359	2.00 E	3.00 LB/AC	PRE				
11C	PROTECT	.00 WA	1.00 %	SED				
12A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	95	0
12B	MBR 22359	2.00 E	4.00 LB/AC	PRE				
12C	PROTECT	.00 WA	1.00 %	SED				

Table 16: Corn—Yellow Nutsedge—Seed Protectants (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YEVS	CRIN	---7/11 -- YENS	CRIN
13A	ATRAZINE	4.00 L	1.50 LB/AC	EP	100	22	92	22
13B	M8R 23709	2.00 S	2.00 LB/AC	EP				
13C	PROTECT	.00 WA	1.00 %	SED				
14	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0
			LSD(05):		8	2	11	2

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.0 O.M.: 2.8%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONEER 3369A MAY 26 EP
EP 2LF.

Table 17: Corn—Yellow Nutsedge—No Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/11 -- YENS	CRIN	---7/11 -- YENS	CRIN
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	72	0
1B	MBR 20457	4.00 S	1.50 LB/AC	PRE				
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	0	70	0
2B	MBR 20457	4.00 S	2.00 LB/AC	PRE				
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	85	0
3B	MBR 20457	4.00 S	3.00 LB/AC	PRE				
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	82	0
4B	MBR 20457	4.00 S	4.00 LB/AC	PRE				
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	0	75	0
5B	MBR 23709	2.00 S	1.50 LB/AC	PRE				
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	78	0	58	0
6B	MBR 23709	2.00 S	2.00 LB/AC	PRE				
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	78	0
7B	MBR 23709	2.00 S	3.00 LB/AC	PRE				
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	0	80	0
8B	MBR 23709	2.00 S	4.00 LB/AC	PRE				
9A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	0	65	0
9B	MBR 22359	2.00 E	1.50 LB/AC	PRE				
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	70	0
10B	MBR 22359	2.00 E	2.00 LB/AC	PRE				
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	75	0
11B	MBR 22359	2.00 E	3.00 LB/AC	PRE				
12A	ATRAZINE	4.00 L	1.50 LB/AC	PPE	88	0	75	0
12B	MBR 22359	2.00 E	4.00 LB/AC	PRE				
13A	BENTAZON	4.00 E	1.00 LB/AC	MP	95	0	80	0
13B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
14	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0
			LSD(05):		9	NS	11	NS

Table 17: Corn—Yellow Nutsedge—No Seed Protectants (continued)

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.0 O.M.: 2.8%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONEER 3369A JUNE 3 MP
0

MP 4LF.

Table 18: Corn Tolerance to Postemergence Herbicides

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/19 CRIN	8/27 CRIN
1A	ATRAZINE	4.00 L	2.00 LB/AC	2LF	0	0
1B	CROP OIL	.00 AD	4.00 QT/AC	2LF		
2A	ATRAZINE	4.00 L	2.00 LB/AC	2LF	0	0
2B	SURFACTANT (X-77)	.50 WA	.50 %	2LF		
3	ATRAZINE	4.00 L	2.00 LB/AC	2LF	0	0
4	CYANAZINE	80.00 WP	1.60 LB/AC	2LF	0	0
5	CYANAZINE	4.00 L	1.60 LB/AC	2LF	0	0
6A	METOLACHLOR	8.00 E	2.50 LB/AC	2LF	3	0
6B	ATRAZINE	4.00 L	2.00 LB/AC	2LF		
7A	ALACHLOR	4.00 E	2.50 LB/AC	2LF	0	0
7B	ATRAZINE	4.00 L	2.00 LB/AC	2LF		
8A	PARAQUAT	2.00 E	.38 LB/AC	SPK	20	0
8B	SURFACTANT (X-77)	.50 WA	.50 %	SPK		
9A	PARAQUAT	2.00 E	.38 LB/AC	1LF	43	0
9B	SURFACTANT (X-77)	.50 WA	.50 %	1LF		
10A	ATRAZINE	4.00 L	2.00 LB/AC	1LF	37	7
10B	PARAQUAT	2.00 E	.38 LB/AC	1LF		
10C	SURFACTANT (X-77)	.50 WA	.50 %	1LF		
11A	PARAQUAT	2.00 E	.38 LB/AC	2LF	80	90
11B	SURFACTANT (X-77)	.50 WA	.50 %	2LF		
12A	ATRAZINE	4.00 L	2.00 LB/AC	2LF	77	90
12B	PARAQUAT	2.00 E	.38 LB/AC	2LF		
12C	SURFACTANT (X-77)	.50 WA	.50 %	2LF		
13A	PARAQUAT	2.00 E	.38 LB/AC	4LF	0	13
13B	SURFACTANT (X-77)	.50 WA	.50 %	4LF		
14A	PARAQUAT	2.00 E	.38 LB/AC	6LF	0	63
14B	SURFACTANT (X-77)	.50 WA	.50 %	6LF		
15	CHECK (CULTIVATED)	.00 CK	.00		0	0
				LSD(05):	5	6

Table 18: Corn Tolerance to Postemergence Herbicides (continued)

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 150 N, 48 P, 48 K PH: 6.5 O.M.: 2.0%
DATE PLANTED: APRIL 26 DATE TREATED: MAY 5 SPK
VARIETY: PIONEER 3369A MAY 8 1LF
MAY 12 2LF
MAY 19 4LF, JUNE 6 6LF

Table 19: Corn—Johnsongrass, Seedling

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/9 -- JOGR	CRIN	----7/2 -- JOGR	CRIN	---7/21 -- JOGR	CRIN
1A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	98	10	88	0	88	0
1B	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE						
2A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	10	70	0	62	0
2B	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE						
2C	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
3A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	98	0	88	0	82	0
3B	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK						
4A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	5	95	0	92	0
4B	PENDIMETHALIN	4.00 E	1.00 LB/AC	SPK						
4C	ATRAZINE	4.00 L	1.50 LB/AC	SPK						
5A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	95	15	90	0	92	0
5B	PENDIMETHALIN	4.00 E	1.50 LB/AC	PCS						
6A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	98	8	90	0	90	0
6B	PENDIMETHALIN	4.00 E	1.00 LB/AC	PCS						
6C	ATRAZINE	4.00 L	1.50 LB/AC	PCS						
7A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	95	2	88	0	88	0
7B	PENDIMETHALIN	4.00 E	1.50 LB/AC	PCI						
8A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	5	100	0	92	0
8B	PENDIMETHALIN	4.00 E	1.00 LB/AC	PCI						
8C	ATRAZINE	4.00 L	1.50 LB/AC	PCI						
9	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	75	5	88	0	82	0
10	TRIFLURALIN	4.00 E	.75 LB/AC	PCI	88	2	82	0	75	0
11A	EPTC + R-25788	6.70 E	6.00 LB/AC	PPI	98	2	90	0	78	0
11B	TRIFLURALIN	4.00 E	.75 LB/AC	PCI						
12A	BUTYLATE + R-25788	6.70 EW	6.00 LB/AC	PPI	95	2	75	0	80	0
12B	TRIFLURALIN	4.00 E	.75 LB/AC	PCI						
13A	M-4127	4.00 E	.38 LB/AC	MP	32	5	0	0	0	0
13B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
13C	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	MP						
14A	M-4127	4.00 E	.50 LB/AC	MP	15	0	0	0	5	0
14B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
14C	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	MP						
15A	M-4127	4.00 E	.50 LB/AC	MP	52	22	0	0	0	0
15B	ATRAZINE	4.00 L	1.50 LB/AC	MP						
15C	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP						

Table 19: Corn—Johnsongrass, Seedling (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/9 -- JOGR	CRIN	----7/2 -- JOGR	CRIN	---7/21 -- JOGR	CRIN
16A	M-4127	4.00 E	.50 LB/AC	LP	28	2	0	0	0	0
16B	ATRAZINE	4.00 L	1.50 LB/AC	LP						
16C	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	LP						
17A	M-4127	4.00 E	.75 LB/AC	LP	35	22	0	0	5	0
17B	ATRAZINE	4.00 L	1.50 LB/AC	LP						
17C	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	LP						
18A	M-4127	4.00 E	.50 LB/AC	LP	50	8	20	0	22	0
18B	ATRAZINE	4.00 L	1.50 LB/AC	LP						
18C	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	LP						
			LSD(05):		26	15	25	NS	3	NS

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 150 N, 40 P, 40 K PH: 6.5 O.M.: 1.7%
DATE PLANTED: MAY 1 DATE TREATED: APRIL 30 PPI
VARIETY: PIONEER 3369A MAY 1 PRE
MAY 9 SPK

JUNE 2 PCI,PCS; JUNE 4 MP, JUNE 8 LP

Table 20: Corn—Johnsongrass—Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/9 -- JOGR	CRIN	----7/2 -- JOGR	CRIN	---7/21 -- JOGR	CRIN
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	90	0	90	0
1B	MBR 20457	4.00 S	1.50 LB/AC	PRE						
1C	PROTECT	.00 WA	1.00 %	SED						
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	82	0	88	0
2B	MBR 20457	4.00 S	2.00 LB/AC	PRE						
2C	PROTECT	.00 WA	1.00 %	SED						
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	2	92	0	92	0
3B	MBR 20457	4.00 S	3.00 LB/AC	PRE						
3C	PROTECT	.00 WA	1.00 %	SED						
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	8	98	0	95	0
4B	MBR 20457	4.00 S	4.00 LB/AC	PRE						
4C	PROTECT	.00 WA	1.00 %	SED						
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	5	82	0	80	0
5B	MBR 23709	2.00 S	1.50 LB/AC	PRE						
5C	PROTECT	.00 WA	1.00 %	SED						
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	88	0	78	0
6B	MBR 23709	2.00 S	2.00 LB/AC	PRE						
6C	PROTECT	.00 WA	1.00 %	SED						
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	90	0	85	0
7B	MBR 23709	2.00 S	3.00 LB/AC	PRE						
7C	PROTECT	.00 WA	1.00 %	SED						
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	98	0	95	0
8B	MBR 23709	2.00 S	4.00 LB/AC	PRE						
8C	PROTECT	.00 WA	1.00 %	SED						
9A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	90	0	90	0
9B	MBR 22359	2.00 E	1.50 LB/AC	PRE						
9C	PROTECT	.00 WA	1.00 %	SED						
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	95	0	90	0
10B	MBR 22359	2.00 E	2.00 LB/AC	PRE						
10C	PROTECT	.00 WA	1.00 %	SED						
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	2	95	0	90	0
11B	MBR 22359	2.00 E	3.00 LB/AC	PRE						
11C	PROTECT	.00 WA	1.00 %	SED						
12A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	98	0	98	0
12B	MBR 22359	2.00 E	4.00 LB/AC	PRE						
12C	PROTECT	.00 WA	1.00 %	SED						

Table 20: Corn—Johnsongrass—Seed Protectants (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/9 -- JOGR	CRIN	----7/2 -- JOGR	CRIN	---7/21 -- JOGR	CRIN
13A	ATRAZINE	4.00 L	1.50 LB/AC	EP.	40	20	10	60	28	60
13B	MBR 23709	2.00 S	2.00 LB/AC	EP						
13C	PROTECT	.00 WA	1.00 %	SED						
14	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	0	0	0
				LSD(05):	9	5	17	3	17	NS

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 150 N, 48 P, 48 K PH: 6.5 O.M.: 1.7%
DATE PLANTED: APRIL 29 DATE TREATED: APRIL 28 PRE & SED
VARIETY: PIONEER 3369A JUNE 3 EP

Table 21: Corn—Johnsongrass—No Seed Protectants

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/9 -- JOGR	CRIN	----7/2 -- JOGR	CRIN	---7/21 -- JOGR	CRIN
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	2	90	0	85	18
1B	MBR 20457	4.00 S	1.50 LB/AC	PRE						
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	12	95	5	92	12
2B	MBR 20457	4.00 S	2.00 LB/AC	PRE						
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	30	98	5	95	30
3B	MBR 20457	4.00 S	3.00 LB/AC	PRE						
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	30	100	5	95	10
4B	MBR 20457	4.00 S	4.00 LB/AC	PRE						
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	82	5	88	0	90	2
5B	MBR 23709	2.00 S	1.50 LB/AC	PRE						
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	72	0	90	0	92	2
6B	MBR 23709	2.00 S	2.00 LB/AC	PRE						
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	15	95	0	95	18
7B	MBR 23709	2.00 S	3.00 LB/AC	PRE						
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	22	98	0	98	25
8B	MBR 23709	2.00 S	4.00 LB/AC	PRE						
9A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	10	98	0	95	0
9B	MBR 22359	2.00 E	1.50 LB/AC	PRE						
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	22	100	0	100	22
10B	MBR 22359	2.00 E	2.00 LB/AC	PRE						
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	30	100	8	98	32
11B	MBR 22359	2.00 E	3.00 LB/AC	PRE						
12A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	50	100	18	100	58
12B	MBR 22359	2.00 E	4.00 LB/AC	PRE						
			LSD(05):		NS	17	NS	NS	NS	28

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 150 N, 40 P, 40 K PH: 6.5 O.M.: 1.7%
DATE PLANTED: APRIL 28 DATE TREATED: APRIL 28 PRE
VARIETY: PIONEER 3369A

Table 22: Soybean Preplant Incorporated—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 1 GRAS	ABLE	CRIN	GIFT	JIMW	COLJ	COCB	LAMS	VELE	PESW
1A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	98	70	10	98	65	95	88	38	68	90
1B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
2A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	92	72	10	92	75	98	76	38	92	100
2B	METRIBUZIN 1 OR 2	50.00 WP	.50 LB/AC	PPI										
3A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	78	2	95	58	95	65	72	75	85
3B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PPI										
4A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	92	80	2	92	80	90	80	68	80	100
4B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
4C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE										
5A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	75	8	95	72	92	48	75	80	100
5B	NAMPA/DN	3.00 E	3.00 LB/AC	PRE										
5C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE										
6A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	95	82	2	95	75	98	85	78	80	100
6B	NAMPA/DN	3.00 E	3.00 LB/AC	PRE										
6C	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE										
7A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	95	75	5	95	85	98	100	42	90	82
7B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
7C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE										
8A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	98	80	5	98	82	95	80	50	70	100
8B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
8C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE										
9	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	92	60	2	92	38	82	72	38	30	48
10	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	92	65	8	92	52	88	55	60	62	60
11A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	90	72	8	90	55	90	70	58	98	82
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
12A	PENDIMETHALIN	50.00 DG	1.00 LB/AC	PPI	90	70	8	90	55	90	78	50	65	70
12B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
13A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	90	68	30	90	82	92	70	85	75	85
13B	NAMPA/DN	3.00 E	4.50 LB/AC	PRE										
14A	VERNOLATE	7.00 E	2.50 LB/AC	PPI	92	65	20	92	45	95	42	58	100	90
14B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
15A	VERNOLATE	7.00 E	4.00 LB/AC	PPI	100	78	30	100	60	100	78	78	98	100
15B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										

Table 22: Soybean Preplant Incorporated—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 1 GRAS	BRLE	CRIN	GIFT	JIMS	COLB	COLB	TAMS	VELE	PESW
16A	VERNOLATE	7.00 E	6.00 LB/AC	PPI	100	85	40	100	75	98	85	85	98	100
16B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
17	SC 7829	25.00 WP	1.00 LB/AC	PPI	82	62	2	82	55	78	60	38	68	52
18	SC 7829	25.00 WP	2.00 LB/AC	PPI	90	70	10	90	65	70	75	50	82	58
19	SC 7829	25.00 WP	3.00 LB/AC	PPI	89	70	20	88	68	75	72	55	80	78
20A	SC 7829	25.00 WP	1.00 LB/AC	PPI	85	68	0	85	65	88	65	60	82	100
20B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI										
21A	SC 7829	25.00 WP	2.00 LB/AC	PPI	92	70	5	92	68	82	72	40	82	100
21B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI										
22A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	0	0	0	0	0	0	0	0	0	0
22B	BENTAZON	4.00 E	.75 LB/AC	LP										
22C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP										
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
23	NAPROPAMIDE	50.00 WP	2.00 LB/AC	PPI	88	40	5	88	20	62	50	35	30	32
24	R-40244	2.00 E	.25 LB/AC	PPI	25	18	0	25	8	20	12	8	10	10
25	SD 95481	2.00 EC	.50 LB/AC	PPI	95	48	5	95	32	58	68	18	25	28
26	SD 95481	2.00 EC	1.00 LB/AC	PPI	92	50	5	92	25	65	72	30	52	82
27A	SD 95481	2.00 EC	.50 LB/AC	PPI	90	60	5	90	42	82	90	38	98	100
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI										
28	FOE 2492	50.00 WP	2.00 LB/AC	PPI	90	42	12	90	38	48	45	32	25	28
29	FOE 2602	4.00 E	1.50 LB/AC	PPI	92	50	2	92	38	55	58	42	50	2
30	FOE 2602	4.00 E	2.00 LB/AC	PPI	95	52	0	95	35	75	78	52	58	70
31	DPX A5967	75.00 WP	.13 LB/AC	PPI	72	62	2	72	38	85	80	58	82	100
32	DPX A5969	75.00 WP	.06 LB/AC	PPI	58	62	2	58	50	88	58	32	48	100
33	DPX A5969	75.00 WP	.13 LB/AC	PPI	70	78	2	70	70	98	98	68	68	100
34A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	95	70	5	95	30	92	60	68	68	100
34B	DPX A5967	75.00 WP	.06 LB/AC	PPI										
35A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	92	68	8	92	30	90	62	75	60	75
35B	DPX A5967	75.00 WP	.13 LB/AC	PPI										

Table 22: Soybean Preplant Incorporated—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 1 GRAS	BRLE	CRIN	GIEI	JIME	COLI	COLB	IAMS	VELE	PESW
36A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	92	72	2	92	58	95	90	68	70	100
36B	DPX A5969	75.00 WP	.06 LB/AC	PPI										
37A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	98	82	12	98	80	98	78	72	90	100
37B	DPX A5969	75.00 WP	.13 LB/AC	PPI										
38A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	92	70	12	92	55	95	95	65	98	100
38B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI										
38C	DPX A5967	75.00 WP	.06 LB/AC	PPI										
39A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	95	75	8	95	60	98	82	62	85	100
39B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI										
39C	DPX A5967	75.00 WP	.13 LB/AC	PPI										
40A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	92	80	12	92	72	95	88	75	88	100
40B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI										
40C	DPX A5969	75.00 WP	.06 LB/AC	PPI										
41A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	95	85	10	95	78	100	85	70	95	100
41B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI										
41C	DPX A5969	75.00 WP	.13 LB/AC	PPI										
42	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100	100	100
				LSD(05):	8	13	14	8	20	14	30	21	28	25

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 3.1%
DATE PLANTED: MAY 5 DATE TREATED: MAY 5 PREEMERGENCE
VARIETY: WILLIAMS MAY 5 PREPLANT INCOR
JUNE 2 MP RLP

MP 2-4", LP 4-6" WEEDS.

Table 23: Soybean Preplant Incorporated—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIN	GIFI	JIWE	COLQ	COCS	IAMS	VELE	PESM	YLD
1A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	2	98	58	78	82	28	78	100	35
1B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	2	92	52	85	68	25	85	100	22
2B	METRIBUZIN 1 OR 2	50.00 WP	.50 LB/AC	PPI									
3A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	0	95	18	82	65	72	75	85	20
3B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PPI									
4A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	0	88	65	82	80	60	70	100	23
4B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
4C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
5A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	0	95	40	82	40	60	75	90	21
5B	NAMPA/DN	3.00 E	3.00 LB/AC	PRE									
5C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
6A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	2	92	48	88	70	70	72	100	25
6B	NAMPA/DN	3.00 E	3.00 LB/AC	PRE									
6C	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE									
7A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	0	95	68	98	100	28	90	82	26
7B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
7C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	2	92	70	90	80	28	60	100	24
8B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
8C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
9	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	0	90	20	58	62	22	22	45	20
10	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	0	92	18	62	30	38	40	50	15
11A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	5	88	35	82	60	42	90	58	15
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
12A	PENDIMETHALIN	60.00 DG	1.00 LB/AC	PPI	2	88	25	80	78	35	50	70	19
12B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
13A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	5	88	55	75	50	75	52	88	24
13B	NAMPA/DN	3.00 E	4.50 LB/AC	PRE									
14A	VERNOLATE	7.00 E	2.50 LB/AC	PPI	20	92	100	100	92	100	100	100	33
14B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
15A	VERNOLATE	7.00 E	4.00 LB/AC	PPI	28	100	100	100	100	100	100	100	28
15B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									

Table 23: Soybean Preplant Incorporated—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIN	GIEI	JIWE	COLQ	COCB	IAMG	VELE	PESN	YLD
16A	VERNOLATE	7.00 E	6.00 LB/AC	PPI	32	100	100	100	95	98	100	100	32
16B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
17	SC 7829	25.00 WP	1.00 LB/AC	PPI	2	78	40	38	60	22	68	52	17
18	SC 7829	25.00 WP	2.00 LB/AC	PPI	2	85	38	45	72	35	60	48	20
19	SC 7829	25.00 WP	3.00 LB/AC	PPI	8	85	25	65	55	28	50	42	20
20A	SC 7829	25.00 WP	1.00 LB/AC	PPI	0	75	35	65	52	40	70	100	16
20B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI									
21A	SC 7829	25.00 WP	2.00 LB/AC	PPI	2	88	55	70	62	22	78	100	15
21B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI									
22A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	10	90	100	78	95	98	100	100	36
22B	BENTAZON	4.00 E	.75 LB/AC	LP									
22C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP									
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
23	NAPROPAMIDE	50.00 WP	2.00 LB/AC	PPI	0	85	5	45	50	30	30	32	20
24	R-40244	2.00 E	.25 LB/AC	PPI	0	5	8	18	12	9	10	10	9
25	SD 95481	2.00 EC	.50 LB/AC	PPI	10	95	5	15	60	5	20	22	9
26	SD 95481	2.00 EC	1.00 LB/AC	PPI	2	92	10	42	72	10	52	82	14
27A	SD 95481	2.00 EC	.50 LB/AC	PPI	2	88	0	70	72	10	98	88	18
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
28	FOE 2492	50.00 WP	2.00 LB/AC	PPI	2	90	15	5	48	18	10	28	9
29	FOE 2602	4.00 E	1.50 LB/AC	PPI	0	92	5	0	42	25	35	2	15
30	FOE 2602	4.00 E	2.00 LB/AC	PPI	0	98	12	42	58	32	30	70	25
31	DPX A5967	75.00 WP	.13 LB/AC	PPI	0	70	5	75	62	30	68	100	19
32	DPX A5969	75.00 WP	.06 LB/AC	PPI	0	32	32	82	50	25	48	100	11
33	DPX A5969	75.00 WP	.13 LB/AC	PPI	0	49	55	95	99	58	68	100	15
34A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	0	92	10	78	60	60	65	100	19
34B	DPX A5967	75.00 WP	.06 LB/AC	PPI									
35A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	2	92	8	82	62	49	52	75	13
35B	DPX A5967	75.00 WP	.13 LB/AC	PPI									

Table 23: Soybean Preplant Incorporated—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIN	GIEI	JIWE	COLO	COCB	IAMG	VELE	PESN	YLD
36A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	0	90	30	90	90	62	50	100	22
36B	DPX A5969	75.00 WP	.06 LB/AC	PPI									
37A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	8	98	50	92	60	60	80	100	21
37B	DPX A5969	75.00 WP	.13 LB/AC	PPI									
38A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	5	90	15	82	95	48	88	100	23
38B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
38C	DPX A5967	75.00 WP	.06 LB/AC	PPI									
39A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	2	95	20	82	82	48	85	100	20
39B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
39C	DPX A5967	75.00 WP	.13 LB/AC	PPI									
40A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	2	90	52	85	82	65	80	92	27
40B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
40C	DPX A5969	75.00 WP	.06 LB/AC	PPI									
41A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	5	95	60	95	85	62	95	100	28
41B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
41C	DPX A5969	75.00 WP	.13 LB/AC	PPI									
42	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100	100	33
				LSD(05):	8	9	21	21	34	26	29	27	

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 5 DATE TREATED: MAY 5 PREEMERGENCE
VARIETY: WILLIAMS MAY 5 PPI
JUNE 2 MP & LP

MP 2-4", LP 4-6" WEEDS.

Table 24: Soybean Preemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 2 GRAS	BRLE	CRIN	GIEI	JIME	COLI	IAMG	VELE
1	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	88	35	0	88	25	50	20	15
2	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	28	5	80	20	60	25	18
3	RH-8817	2.00 E	.50 LB/AC	PRE	22	88	18	22	100	100	78	100
4	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	10	38	0	10	22	42	18	18
5	LINURON	4.00 L	1.00 LB/AC	PRE	15	28	0	15	25	45	5	22
6	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE	8	38	0	8	25	45	22	0
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	62	10	85	65	88	32	58
7B	METRIBUZIN 2	4.00 L	.50 LB/AC	PRE								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	60	2	88	75	95	20	48
8B	LINURON	4.00 L	1.00 LB/AC	PRE								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	62	10	78	75	88	40	60
9B	METRIBUZIN	75.00 DF	.75 LB/AC	PRE								
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	65	2	85	70	88	32	48
10B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
10C	PC-671	.00 AD	1.00 QT/AC	PRE								
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	70	10	82	80	92	28	50
11B	METRIBUZIN	75.00 DF	.75 LB/AC	PRE								
11C	PC-671	.00 AD	1.00 QT/AC	PRE								
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	88	12	80	100	92	78	100
12B	RH-8917	2.00 E	.20 LB/AC	PRE								
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	12	90	100	98	72	98
13B	RH-8817	2.00 E	.20 LB/AC	PRE								
13C	METRIBUZIN 1	4.00 F	.20 LB/AC	PRE								
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	90	10	85	100	100	78	100
14B	RH-8917	2.00 E	.20 LB/AC	PRE								
14C	METRIBUZIN 1	4.00 F	.30 LB/AC	PRE								
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	88	22	80	100	98	78	98
15B	RH-8917	2.00 E	.30 LB/AC	PRE								
15C	METRIBUZIN 1	4.00 F	.20 LB/AC	PRE								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	90	12	88	100	100	75	100
16B	RH-8917	2.00 E	.30 LB/AC	PRE								
16C	METRIBUZIN 1	4.00 F	.30 LB/AC	PRE								

Table 24: Soybean Preemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 2							
					GRAS	BRLE	CRTN	GIFT	JIMS	COCK	IAMG	VELE
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	60	0	78	40	88	72	60
17B	DPX A5967	75.00 WP	.06 LB/AC	PRE								
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	60	0	82	35	92	65	65
18B	DPX A5967	75.00 WP	.13 LB/AC	PRE								
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	75	8	80	82	98	68	48
19B	DPX A5969	75.00 WP	.06 LB/AC	PRE								
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	80	5	85	90	92	68	62
20B	DPX A5969	75.00 WP	.13 LB/AC	PRE								
21	DPX A5967	75.00 WP	.06 LB/AC	PRE	15	30	0	15	0	32	55	28
22	DPX A5967	75.00 WP	.13 LB/AC	PRE	48	48	0	48	0	45	80	78
23	DPX A5967	75.00 WP	.25 LB/AC	PRE	45	55	2	45	0	62	78	78
24	DPX A5969	75.00 WP	.06 LB/AC	PRE	15	32	2	15	20	30	18	15
25	DPX A5969	75.00 WP	.13 LB/AC	PRE	28	58	2	28	45	75	52	62
26	DPX A5969	75.00 WP	.25 LB/AC	PRE	30	75	2	30	60	95	62	65
27A	DPX A5967	75.00 WP	.06 LB/AC	PRE	20	45	0	20	0	52	48	50
27B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
28A	DPX A5967	75.00 WP	.13 LB/AC	PRE	30	55	0	30	0	52	85	70
28B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
29A	DPX A5969	75.00 WP	.06 LB/AC	PRE	22	48	0	22	8	72	45	40
29B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
30A	DPX A5969	75.00 WP	.13 LB/AC	PRE	25	70	2	25	58	92	52	48
30B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE								
31A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	35	50	5	35	20	92	40	60
31B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
32A	PENDIMETHALIN	60.00 DG	1.00 LB/AC	PRE	38	60	8	38	35	72	45	80
32B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
33A	PPG-844	2.00 E	.25 LB/AC	PRE	25	62	0	25	100	65	55	50
33B	LINURON	4.00 L	.50 LB/AC	PRE								
34A	PPG-844	2.00 E	.50 LB/AC	PRE	0	40	0	0	38	55	20	30
34B	LINURON	4.00 L	.50 LB/AC	PRE								

Table 24: Soybean Preemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 2 GRAS	BRLE	CRIN	GIET	JIME	COLQ	IAMG	VELE
35A	PPG-844	2.00 E	.25 LB/AC	PRE	12	80	10	12	100	78	68	95
35B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE								
36A	PPG-844	2.00 E	.50 LB/AC	PRE	5	70	2	5	100	62	52	68
36B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE								
37	PPG 1013	1.00 E	.20 LB/AC	PRE	0	72	0	0	92	80	38	88
38	PPG 1013	1.00 E	.40 LB/AC	PRE	18	90	5	18	100	100	78	100
39	FOE 2492	50.00 WP	1.50 LB/AC	PRE	65	15	2	65	10	8	22	18
40A	FOE 2492	50.00 WP	1.00 LB/AC	PRE	72	45	5	72	30	98	25	38
40B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
41	FOE 2602	4.00 E	1.00 LB/AC	PRE	70	15	2	70	0	15	18	15
42	FOE 2602	4.00 E	1.50 LB/AC	PRE	78	25	10	78	0	22	45	8
43A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	78	55	5	78	48	78	38	25
43B	NAMPA/DN	3.00 E	4.50 LB/AC	PRE								
44A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	80	48	2	80	45	70	35	28
44B	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE								
44C	NAMPA/DN	3.00 E	3.00 LB/AC	PRE								
45A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	85	58	2	85	60	78	30	65
45B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE								
45C	NAMPA/DN	3.00 E	3.00 LB/AC	PRE								
46	SD 95481	2.00 EC	.75 LB/AC	PRE	58	40	5	58	8	45	35	45
47	SD 95481	2.00 EC	1.50 LB/AC	PRE	82	35	0	82	5	82	38	62
48A	SD 95481	2.00 EC	.75 LB/AC	PRE	62	45	2	62	10	85	32	60
48B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE								
49	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE	65	32	5	65	5	62	22	28
50	CHLORAMBEN	75.00 DS	3.00 LB/AC	PRE	62	42	5	62	15	75	32	60
51	R-40244	2.00 E	.13 LB/AC	PRE	5	28	0	5	0	55	38	18
52	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100
				LSD(05):	15	15	7	16	19	29	26	31

Table 24: Soybean Preemergence—First Evaluation (continued)

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 5 DATE TREATED: MAY 5 PREEMERGENCE
VARIETY: WILLIAMS

Table 25: Soybean Preemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIN	GIFI	JIWE	COLQ	IAMG	VELE
1	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	88	18	18	12	10
2	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	65	18	35	15	10
3	RH-8817	2.00 E	.50 LB/AC	PRE	8	18	100	98	78	100
4	METRIBUZIN 1	75.00 DF	.50 LB/AC	PRE	0	0	22	42	18	18
5	LINURON	4.00 L	1.00 LB/AC	PRE	0	8	25	42	0	22
6	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE	0	0	25	38	22	0
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	48	68	0	18
7B	METRIBUZIN 2	4.00 L	.50 LB/AC	PRE						
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	62	88	5	42
8B	LINURON	4.00 L	1.00 LB/AC	PRE						
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	62	48	80	22	55
9B	METRIBUZIN	75.00 DF	.75 LB/AC	PRE						
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	68	52	62	10	10
10B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE						
10C	PC-671	.00 AD	1.00 QT/AC	PRE						
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	58	62	60	10	45
11B	METRIBUZIN	75.00 DF	.75 LB/AC	PRE						
11C	PC-671	.00 AD	1.00 QT/AC	PRE						
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	50	100	75	58	85
12B	RH-8817	2.00 E	.20 LB/AC	PRE						
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	75	100	90	48	98
13B	RH-8817	2.00 E	.20 LB/AC	PRE						
13C	METRIBUZIN 1	4.00 F	.20 LB/AC	PRE						
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	65	100	100	65	100
14B	RH-8817	2.00 E	.20 LB/AC	PRE						
14C	METRIBUZIN 1	4.00 F	.30 LB/AC	PRE						
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	52	100	85	65	98
15B	RH-8817	2.00 E	.30 LB/AC	PRE						
15C	METRIBUZIN 1	4.00 F	.20 LB/AC	PRE						
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	68	100	95	68	100
16B	RH-8817	2.00 E	.30 LB/AC	PRE						
16C	METRIBUZIN 1	4.00 F	.30 LB/AC	PRE						

Table 25: Soybean Preemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIV	GIFI	JIWE	COLQ	IAMG	VELE
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	20	65	58	45
17B	DPX A5967	75.00 WP	.06 LB/AC	PRE						
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	12	62	58	65
18B	DPX A5967	75.00 WP	.13 LB/AC	PRE						
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	62	55	60	48	65
19B	DPX A5969	75.00 WP	.06 LB/AC	PRE						
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	68	80	55	48
20B	DPX A5969	75.00 WP	.13 LB/AC	PRE						
21	DPX A5967	75.00 WP	.06 LB/AC	PRE	0	15	0	25	55	28
22	DPX A5967	75.00 WP	.13 LB/AC	PRE	0	42	0	38	80	78
23	DPX A5967	75.00 WP	.25 LB/AC	PRE	0	40	0	58	78	78
24	DPX A5969	75.00 WP	.06 LB/AC	PRE	0	8	20	25	18	15
25	DPX A5969	75.00 WP	.13 LB/AC	PRE	0	25	40	75	35	62
26	DPX A5969	75.00 WP	.25 LB/AC	PRE	0	22	48	85	60	62
27A	DPX A5967	75.00 WP	.06 LB/AC	PRE	0	15	0	52	48	50
27B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE						
28A	DPX A5967	75.00 WP	.13 LB/AC	PRE	0	22	0	52	80	70
28B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE						
29A	DPX A5969	75.00 WP	.06 LB/AC	PRE	0	12	8	62	45	40
29B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE						
30A	DPX A5969	75.00 WP	.13 LB/AC	PRE	0	20	55	88	50	38
30B	METRIBUZIN 2	4.00 L	.38 LB/AC	PRE						
31A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	0	18	15	82	30	60
31B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE						
32A	PENDIMETHALIN	60.00 DG	1.00 LB/AC	PRE	0	30	20	70	38	80
32B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE						
33A	PPG-844	2.00 F	.25 LB/AC	PRE	0	12	92	65	40	50
33B	LINURON	4.00 L	.50 LB/AC	PRE						
34A	PPG-844	2.00 F	.50 LB/AC	PRE	0	0	38	50	20	50
34B	LINURON	4.00 L	.50 LB/AC	PRE						

Table 25: Soybean Preemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIV	GIFI	JIWE	COLQ	IAMG	VELE
35A	PPG-844	2.00 E	.25 LB/AC	PRE	2	18	100	78	62	95
35B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE						
36A	PPG-844	2.00 E	.50 LB/AC	PRE	0	5	100	62	52	68
36B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE						
37	PPG 1013	1.00 F	.20 LB/AC	PRE	0	0	92	80	38	88
38	PPG 1013	1.00 E	.40 LB/AC	PRE	0	5	100	100	78	100
39	FOE 2492	50.00 WP	1.50 LB/AC	PRE	0	60	5	0	8	8
40A	FOE 2492	50.00 WP	1.00 LB/AC	PRE	0	55	25	78	18	35
40B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE						
41	FOE 2602	4.00 E	1.00 LB/AC	PRE	0	68	0	10	10	10
42	FOE 2602	4.00 E	1.50 LB/AC	PRE	0	78	0	0	28	8
43A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	58	28	52	12	25
43B	NANPA/DN	3.00 E	4.50 LB/AC	PRE						
44A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	68	15	48	22	15
44B	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE						
44C	NANPA/DN	3.00 E	3.00 LB/AC	PRE						
45A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	2	75	45	62	22	52
45B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE						
45C	NANPA/DN	3.00 E	3.00 LB/AC	PRE						
46	SD 95481	2.00 EC	.75 LB/AC	PRE	0	55	0	38	20	45
47	SD 95481	2.00 EC	1.50 LB/AC	PRE	0	82	0	82	30	62
48A	SD 95481	2.00 EC	.75 LB/AC	PRE	0	50	10	80	22	60
48B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE						
49	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE	2	60	0	42	22	28
50	CHLORAMBEN	75.00 DS	3.00 LB/AC	PRE	0	60	0	70	28	60
51	R-40244	2.00 F	.13 LB/AC	PRE	0	0	0	50	32	15
52	CHECK (CULTIVATED)	.00 CK	.00		0	100	85	95	95	100
				LSD(05):	4	18	22	32	29	30

Table 25: Soybean Preemergence—Second Evaluation (continued)

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 5 DATE TREATED: MAY 5 PREEMERGENCE
VARIETY: WILLIAMS

Table 26: Soybean Postemergence—First Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18 GRAS	BRLE	CRIN	GIFT	COLQ	ILMS	VELE	PESN	SUFL	JIMS
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	82	10	92	85	90	92	100	60	100
1B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP										
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	12	95	100	95	98	100	82	100
2B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP										
2C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	78	12	95	98	90	70	100	38	100
3B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP										
3C	TRITON AG 98 SURFACT	.00 WA	.12 %	MP										
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	80	5	90	98	90	68	100	72	100
4B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	100	20	98	100	98	100	100	100	100
5B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
5C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	8	95	95	98	98	100	80	100
6B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
6C	TRITON AG 98 SURFACT	.00 WA	.12 %	MP										
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	96	99	5	96	96	99	99	100	100	100
7B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP										
7C	BENTAZON	4.00 E	.50 LB/AC	MP										
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	100	8	95	100	98	100	100	100	100
8B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP										
8C	BENTAZON	4.00 E	.75 LB/AC	MP										
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	85	5	80	88	70	100	100	98	100
9B	BENTAZON	4.00 E	.75 LB/AC	MP										
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	100	12	90	100	98	100	100	100	100
10B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP										
10C	BENTAZON	4.00 E	.50 LB/AC	MP										
10D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP										
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	98	10	90	100	98	92	100	100	100
11B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP										
11C	BENTAZON	4.00 E	.50 LB/AC	MP										
11D	2,4-DB	2.00 E	.03 LB/AC	MP										
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	60	8	90	80	50	75	58	70	100
12B	RH-0265	2.00 F	.06 LB/AC	EP										
12C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP										

Table 26: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 19 GRAS	SOLE	CRIN	GIFI	COLQ	ILMQ	VELE	PESN	SUEL	TIME
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	80	5	88	98	62	90	95	90	100
13B	RH-0265	2.00 E	.12 LB/AC	EP										
13C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP										
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	68	10	92	98	82	70	100	72	98
14B	RH 0043	2.00 EC	.03 LB/AC	EP										
14C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP										
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	65	10	90	72	38	75	85	80	100
15B	RH 0043	2.00 EC	.06 LB/AC	EP										
15C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP										
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	92	10	95	100	88	98	100	78	100
16B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP										
16C	RH-0265	2.00 E	.06 LB/AC	EP										
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	92	10	90	100	92	100	100	100	100
17B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP										
17C	RH-0265	2.00 E	.12 LB/AC	EP										
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	5	95	100	88	100	100	88	100
18B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP										
18C	RH 0043	2.00 EC	.03 LB/AC	EP										
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	5	95	100	78	95	100	92	100
19B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP										
19C	RH 0043	2.00 EC	.06 LB/AC	EP										
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	90	5	90	100	70	100	100	100	100
20B	BENTAZON	4.00 E	.75 LB/AC	LP										
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	100	8	82	100	95	98	100	100	100
21B	BENTAZON	4.00 E	.75 LB/AC	MP										
21C	2,4-DB	2.00 E	.03 LB/AC	MP										
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	98	12	95	98	98	85	100	100	100
22B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
22C	2,4-DB	2.00 E	.03 LB/AC	MP										
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	******	NO DATA FOUND			******					
23B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP										
23C	BENTAZON	4.00 E	.50 LB/AC	MP										
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	98	5	98	98	95	95	100	98	100
24B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP										
24C	BENTAZON	4.00 E	.50 LB/AC	MP										

Table 26: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 19 GRAS	ABLE	CRIN	GIFT	COLQ	ILMS	VELE	PESN	SUEL	JIWE
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	100	5	95	100	100	98	100	100	100
25B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP										
25C	BENTAZON	4.00 E	.75 LB/AC	MP										
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	82	20	88	100	68	78	100	90	100
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD										
26C	SURFACTANT (X-77)	.50 WA	.25 %	POD										
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	70	2	90	100	30	100	100	100	100
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
27C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD										
27D	SURFACTANT (X-77)	.50 WA	.25 %	POD										
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	75	12	88	100	50	100	100	100	100
28B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
28C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD										
28D	SURFACTANT (X-77)	.50 WA	.25 %	POD										
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	2	92	100	100	100	100	80	100
29B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD										
29C	2,4-DB	2.00 E	.20 LB/AC	POD										
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	5	92	100	95	100	100	100	100
30B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
30C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD										
30D	2,4-DB	2.00 E	.20 LB/AC	POD										
31A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	100	15	92	100	95	100	100	95	100
31B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
31C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD										
31D	2,4-DB	2.00 E	.20 LB/AC	POD										
32A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	92	2	92	100	100	78	88	90	100
32B	LINURON	4.00 L	1.00 LB/AC	POD										
32C	2,4-DB	2.00 E	.20 LB/AC	POD										
33A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	78	92	100	90	100	100	100	100
33B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
33C	BENTAZON	4.00 E	.75 LB/AC	MP										
33D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
34A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	80	2	92	100	58	85	100	98	100
34B	BENTAZON	4.00 E	.50 LB/AC	MP										
34C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
35A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	92	5	88	100	82	100	100	100	100
35B	BENTAZON	4.00 E	.75 LB/AC	MP										
35C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										

Table 26: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18 GRAS	BRLE	CRIN	GIFI	COLQ	ILMG	VELE	PESW	SUFL	JIWE
36A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	10	95	90	95	95	100	90	100
36B	MC 10978	2.00 S	.50 LB/AC	MP										
37A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	98	2	90	92	92	100	100	100	100
37B	MC 10978	2.00 S	.25 LB/AC	MP										
37C	BENTAZON	4.00 E	.75 LB/AC	MP										
38A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	100	12	98	100	100	100	98	100	100
38B	MC 10978	2.00 S	.50 LB/AC	MP										
38C	BENTAZON	4.00 E	.50 LB/AC	MP										
39A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	12	100	98	100	98	100	100	100
39B	MC 10978	2.00 S	.75 LB/AC	MP										
39C	BENTAZON	4.00 E	.25 LB/AC	MP										
40A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	90	2	95	98	98	75	100	88	100
40B	MC 10978	2.00 S	.75 LB/AC	MP										
41A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	88	8	90	100	88	82	100	100	100
41B	MC 10978	2.00 S	.50 LB/AC	MP										
41C	2,4-DB	2.00 E	.03 LB/AC	MP										
42A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	80	15	92	90	95	60	85	88	100
42B	MC 10978	2.00 S	.50 LB/AC	MP										
42C	2,4-DB	2.00 E	.06 LB/AC	MP										
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	42	8	88	48	55	25	35	30	80
43B	2,4-DB	2.00 E	.03 LB/AC	MP										
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	58	15	85	78	72	32	28	82	98
44B	2,4-DB	2.00 E	.06 LB/AC	MP										
45A	ALACHLOR	4.00 E	2.00 LB/AC	COD	85	55	5	85	75	25	68	100	82	100
45B	PPG-844	2.00 E	.15 LB/AC	COD										
46A	ALACHLOR	4.00 E	2.00 LB/AC	COD	82	68	5	82	82	32	90	100	78	100
46B	PPG-844	2.00 E	.15 LB/AC	COD										
46C	SURFACTANT (X-77)	.50 WA	.25 %	COD										
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	98	5	92	100	100	95	100	100	100
47B	BENAZOLIN	4.00 E	.25 LB/AC	LP										
47C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP										
48A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	68	12	88	100	20	100	100	95	100
48B	BENAZOLIN	4.00 E	.25 LB/AC	EP										
48C	BENTAZON	4.00 E	.25 LB/AC	EP										

Table 26: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18 GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	VELE	PESN	SUEL	JIMS
49A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	60	5	85	92	52	98	100	100	100
49B	BENAZOLIN	4.00 F	.25 LB/AC	LP										
49C	BENTAZON	4.00 E	.25 LB/AC	LP										
50A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	62	5	90	100	12	100	100	12	100
50B	BENAZOLIN	4.00 F	.25 LB/AC	EP										
50C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
51A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	70	12	82	100	48	98	85	20	100
51B	BENAZOLIN	4.00 F	.38 LB/AC	EP										
51C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
52A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	70	15	90	100	28	100	100	82	100
52B	BENAZOLIN	4.00 F	.50 LB/AC	EP										
52C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
53A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	55	8	78	85	20	65	58	62	100
53B	BENAZOLIN	4.00 F	.25 LB/AC	LP										
53C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
54A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	60	20	82	90	30	80	88	40	100
54B	BENAZOLIN	4.00 F	.38 LB/AC	LP										
54C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
55A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	70	30	85	100	28	100	98	72	100
55B	BENAZOLIN	4.00 F	.50 LB/AC	LP										
55C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
56A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	60	18	85	92	32	100	82	20	100
56B	BENAZOLIN	4.00 F	.25 LB/AC	EP										
57A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	60	2	82	82	30	92	100	42	100
57B	BENAZOLIN	4.00 F	.25 LB/AC	LP										
58A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	82	5	90	100	58	100	100	82	100
58B	BENAZOLIN	4.00 F	.25 LB/AC	EP										
58C	ACIFLUORFEN	2.00 E	.25 LB/AC	EP										
59A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	62	2	88	100	30	82	100	70	98
59B	DPX A5969	75.00 WP	.02 LB/AC	EP										
59C	SURFACTANT (X-77)	.50 VA	.25 %	EP										
60A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	78	0	88	92	55	95	100	98	100
60B	DPX A5969	75.00 WP	.03 LB/AC	EP										
60C	SURFACTANT (X-77)	.50 VA	.25 %	EP										
61A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	88	2	95	100	78	95	100	100	100
61B	DPX A5969	75.00 WP	.06 LB/AC	EP										
61C	SURFACTANT (X-77)	.50 VA	.25 %	EP										

Table 26: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18 GRAS	BRLE	CRIN	GIFT	COLQ	ILMS	VELE	PESY	SUEL	JIME
62A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	100	5	95	100	90	100	100	100	100
62B	DPX A5969	75.00 WP	.13 LB/AC	CR										
62C	SURFACTANT (X-77)	.50 WA	.25 %	CR										
63A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	88	8	90	100	78	100	100	100	100
63B	DPX A5969	75.00 WP	.02 LB/AC	1TR										
63C	SURFACTANT (X-77)	.50 WA	.25 %	1TR										
64A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	95	10	95	100	85	100	100	100	100
64B	DPX A5969	75.00 WP	.03 LB/AC	1TR										
64C	SURFACTANT (X-77)	.50 WA	.25 %	1TR										
65A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	98	25	85	100	95	100	100	100	100
65B	DPX A5969	75.00 WP	.06 LB/AC	1TR										
65C	SURFACTANT (X-77)	.50 WA	.25 %	1TR										
66A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	82	2	95	90	68	100	100	98	100
66B	DPX A5969	75.00 WP	.02 LB/AC	1TR										
67A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	85	2	88	100	65	100	100	100	100
67B	DPX A5969	75.00 WP	.03 LB/AC	1TR										
68A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	70	8	88	92	62	62	100	100	55
68B	DPX A5969	75.00 WP	.03 LB/AC	3TR										
68C	SURFACTANT (X-77)	.50 WA	.25 %	3TR										
69A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	68	0	85	92	55	80	100	100	55
69B	DPX A5969	75.00 WP	.03 LB/AC	3TR										
70A	PENDIMETHALIN	4.00 F	1.25 LB/AC	PPI	82	100	0	90	100	92	100	100	100	100
70B	BENTAZON	4.00 E	1.00 LB/AC	MP										
70C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
71A	PENDIMETHALIN	50.00 DG	1.25 LB/AC	PPI	85	100	12	85	100	90	100	100	100	100
71B	BENTAZON	4.00 E	1.00 LB/AC	MP										
71C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
72	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	100	0	0	100	0	0	0	0	0	0
73A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	75	0	25	75	0	0	0	0	0	0
73B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
74A	PPG-844	2.00 E	.25 LB/AC	EP	100	98	18	100	88	92	100	100	100	100
74B	SETHOXYDIM	1.53 EC	.25 LB/AC	EP										
74C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP										
75A	PPG-844	2.00 E	.25 LB/AC	EP	98	35	50	99	92	92	100	95	100	100
75B	SETHOXYDIM	1.53 EC	.25 LB/AC	EP										
75C	2,4-DB	2.00 F	.04 LB/AC	EP										

Table 26: Soybean Postemergence—First Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18 GRAS	BRLE	CRIN	GIEI	COLQ	LAMS	VELE	PESN	SUEL	JIME
76	PPG 1013	1.00 E	.02 LB/AC	EP	25	82	0	25	88	62	100	100	100	100
77	PPG 1013	1.00 E	.04 LB/AC	EP	20	92	5	20	100	95	100	100	50	100
78A	MC 10978	2.00 S	.50 LB/AC	MP	88	88	5	88	65	98	100	100	98	100
78B	BENTAZON	4.00 E	.50 LB/AC	MP										
78C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
79A	MC 10978	2.00 S	.50 LB/AC	MP	95	98	20	95	95	95	100	100	100	100
79B	BENTAZON	4.00 E	.50 LB/AC	MP										
79C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
79D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
80A	MC 10978	2.00 S	.25 LB/AC	MP	82	80	2	82	58	95	100	100	98	100
80B	BENTAZON	4.00 E	.75 LB/AC	MP										
80C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
81A	MC 10978	2.00 S	.25 LB/AC	MP	92	100	15	92	98	98	100	100	100	100
81B	BENTAZON	4.00 E	.75 LB/AC	MP										
81C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
81D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
82A	MC 10978	2.00 S	.50 LB/AC	MP	88	75	8	88	58	92	82	100	78	100
82B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
83A	MC 10978	2.00 S	.50 LB/AC	MP	100	92	12	100	95	95	95	98	88	100
83B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP										
83C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
84	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	100	100	100
			LSD(05):		15	10	11	15	18	17	20	16	17	8

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 6 DATE TREATED: MAY 6 PREEMERGENCE
VARIETY: WILLIAMS MAY 14 CR & COO
MAY 24 EP & LTR

MAY 23 MP, JUNE 2 LP, JUNE 3 POD, JUNE 9 LTR
EP 0-2", MP 2-4" LP 4-6" WEEDS.

Table 27: Soybean Postemergence—Second Evaluation

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRIN	GIFT	COLQ	ILMG	IAMG	VELE	PESA	JIME	YLD
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	80	85	85	92	92	100	29
1B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	100	82	82	85	98	100	34
2B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
2C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	90	90	90	68	92	100	31
3B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
3C	TRITON AG 98 SURFACT	.00 WA	.12 %	MP									
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	95	88	88	60	100	100	32
4B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	92	100	90	90	88	100	100	33
5B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
5C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	95	90	90	95	100	100	34
6B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
6C	TRITON AG 98 SURFACT	.00 WA	.12 %	MP									
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	91	91	98	98	95	100	100	35
7B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
7C	BENTAZON	4.00 E	.50 LB/AC	MP									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	100	90	90	100	100	100	35
8B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
8C	BENTAZON	4.00 E	.75 LB/AC	MP									
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	85	70	70	95	100	100	27
9B	BENTAZON	4.00 E	.75 LB/AC	MP									
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	95	95	98	100	100	31
10B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP									
10C	BENTAZON	4.00 E	.50 LB/AC	MP									
10D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	85	85	85	92	100	100	30
11B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP									
11C	BENTAZON	4.00 E	.50 LB/AC	MP									
11D	2,4-DB	2.00 E	.03 LB/AC	MP									
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	80	50	50	65	58	100	26
12B	RH-0265	2.00 E	.06 LB/AC	PP									
12C	TRITON AG 98 SURFACT	.00 WA	.12 %	PP									

Table 27: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 15 CRIN	GIFI	COLQ	ILMG	IAMG	VELE	PESN	WEED	YLD
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	98	55	55	90	92	100	26
13B	RH-0265	2.00 E	.12 LB/AC	EP									
13C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP									
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	92	38	38	62	100	98	28
14B	RH 0043	2.00 EC	.03 LB/AC	EP									
14C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP									
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	68	35	35	70	85	100	22
15B	RH 0043	2.00 EC	.06 LB/AC	EP									
15C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP									
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	88	98	75	75	92	100	95	26
16B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
16C	RH-0265	2.00 E	.06 LB/AC	EP									
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	98	75	75	98	100	100	30
17B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
17C	RH-0265	2.00 E	.12 LB/AC	EP									
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	92	85	85	95	100	100	29
18B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
18C	RH 0043	2.00 EC	.03 LB/AC	EP									
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	98	68	68	90	100	100	28
19B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
19C	RH 0043	2.00 EC	.06 LB/AC	EP									
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	100	70	70	100	100	100	32
20B	BENTAZON	4.00 E	.75 LB/AC	LP									
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	100	95	95	98	100	100	28
21B	BENTAZON	4.00 E	.75 LB/AC	MP									
21C	2,4-DB	2.00 E	.03 LB/AC	MP									
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	95	92	92	78	100	100	33
22B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
22C	2,4-DB	2.00 E	.03 LB/AC	MP									
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	****** NO DATA FOUND ******								
23B	ACIFLUORFEN	2.00 E	.34 LB/AC	MP									
23C	BENTAZON	4.00 E	.50 LB/AC	MP									
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	95	95	95	92	100	98	37
24B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
24C	BENTAZON	4.00 E	.50 LB/AC	MP									

Table 27: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRIU	GIFI	COLO	ILMG	IAMG	VELE	PESW	JIWE	YLD
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	100	98	98	100	100	100	31
25B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP									
25C	BENTAZON	4.00 E	.75 LB/AC	MP									
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	75	98	60	60	75	95	100	27
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
26C	SURFACTANT (X-77)	.50 WA	.25 %	POD									
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	100	28	28	100	100	100	29
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
27C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD									
27D	SURFACTANT (X-77)	.50 WA	.25 %	POD									
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	45	60	100	100	100	30
28B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
28C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
28D	SURFACTANT (X-77)	.50 WA	.25 %	POD									
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	100	100	100	98	100	100	29
29B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
29C	2,4-DB	2.00 E	.20 LB/AC	POD									
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	100	95	95	100	100	100	28
30B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
30C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD									
30D	2,4-DB	2.00 E	.20 LB/AC	POD									
31A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	95	95	100	100	100	32
31B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
31C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
31D	2,4-DB	2.00 E	.20 LB/AC	POD									
32A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	100	100	100	75	88	100	33
32B	LINURON	4.00 L	1.00 LB/AC	POD									
32C	2,4-DB	2.00 E	.20 LB/AC	POD									
33A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	70	100	75	75	100	100	100	17
33B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
33C	BENTAZON	4.00 E	.75 LB/AC	MP									
33D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
34A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	90	58	58	72	100	100	31
34B	BENTAZON	4.00 E	.50 LB/AC	MP									
34C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
35A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	98	72	72	100	100	100	28
35B	BENTAZON	4.00 E	.75 LB/AC	MP									
35C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									

Table 27: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH	JULY 13 CRIV	GIEI	COLO	ILMG	IAMG	VELE	PESA	JIAE	YLD
36A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	80	92	92	90	100	100	31
36B	MC 10978	2.00 S	.50 LB/AC	MP									
37A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	88	92	92	100	100	100	33
37B	MC 10978	2.00 S	.25 LB/AC	MP									
37C	BENTAZON	4.00 E	.75 LB/AC	MP									
38A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	100	98	98	98	98	100	34
38B	MC 10978	2.00 S	.50 LB/AC	MP									
38C	BENTAZON	4.00 E	.50 LB/AC	MP									
39A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	92	92	98	98	98	100	100	37
39B	MC 10978	2.00 S	.75 LB/AC	MP									
39C	BENTAZON	4.00 E	.25 LB/AC	MP									
40A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	90	95	95	68	100	100	35
40B	MC 10978	2.00 S	.75 LB/AC	MP									
41A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	95	88	88	70	100	100	33
41B	MC 10978	2.00 S	.50 LB/AC	MP									
41C	2,4-DB	2.00 E	.03 LB/AC	MP									
42A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	82	95	95	35	85	100	30
42B	MC 10978	2.00 S	.50 LB/AC	MP									
42C	2,4-DB	2.00 E	.06 LB/AC	MP									
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	48	55	55	25	35	55	26
43B	2,4-DB	2.00 E	.03 LB/AC	MP									
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	68	70	70	20	18	98	28
44B	2,4-DB	2.00 E	.06 LB/AC	MP									
45A	ALACHLOR	4.00 E	2.00 LB/AC	COD	0	82	62	25	25	68	100	100	28
45B	PPG-844	2.00 E	.15 LB/AC	COD									
46A	ALACHLOR	4.00 E	2.00 LB/AC	COD	0	82	90	45	45	88	100	100	28
46B	PPG-844	2.00 E	.15 LB/AC	COD									
46C	SURFACTANT (X-77)	.50 WA	.25 %	COD									
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	100	100	100	95	100	100	35
47B	BENAZOLIN	4.00 E	.25 LB/AC	EP									
47C	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
48A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	95	10	10	100	100	100	28
48B	BENAZOLIN	4.00 E	.25 LB/AC	EP									
48C	BENTAZON	4.00 E	.25 LB/AC	EP									

Table 27: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRTY	SIET	COLO	ILMG	IAMG	VELE	PESW	JINE	YLD
49A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	92	48	48	98	100	100	27
49B	BENAZOLIN	4.00 F	.25 LB/AC	LP									
49C	BENTAZON	4.00 E	.25 LB/AC	LP									
50A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	8	8	98	90	100	25
50B	BENAZOLIN	4.00 F	.25 LB/AC	EP									
50C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
51A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	0	72	100	42	42	88	85	100	22
51B	BENAZOLIN	4.00 F	.38 LB/AC	EP									
51C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
52A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	0	72	100	18	18	100	100	100	22
52B	BENAZOLIN	4.00 F	.50 LB/AC	EP									
52C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
53A	ALACHLOR	4.00 F	2.50 LB/AC	PRE	0	68	85	15	15	65	58	100	24
53B	BENAZOLIN	4.00 F	.25 LB/AC	LP									
53C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
54A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	65	88	30	30	80	88	100	24
54B	BENAZOLIN	4.00 F	.38 LB/AC	LP									
54C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
55A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	78	100	12	12	100	98	100	24
55B	BENAZOLIN	4.00 F	.50 LB/AC	LP									
55C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
56A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	72	85	30	30	95	82	100	24
56B	BENAZOLIN	4.00 F	.25 LB/AC	EP									
57A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	82	25	25	92	100	100	21
57B	BENAZOLIN	4.00 F	.25 LB/AC	LP									
58A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	100	58	58	100	100	100	29
58B	BENAZOLIN	4.00 F	.25 LB/AC	EP									
58C	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
59A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	100	30	30	82	100	98	32
59B	DPX A5969	75.00 WP	.02 LB/AC	CR									
59C	SURFACTANT (X-77)	.50 VA	.25 %	CR									
60A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	92	55	55	95	100	100	29
60B	DPX A5969	75.00 WP	.03 LB/AC	CR									
60C	SURFACTANT (X-77)	.50 VA	.25 %	CR									
61A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	100	65	65	92	100	100	31
61B	DPX A5969	75.00 WP	.06 LB/AC	CR									
61C	SURFACTANT (X-77)	.50 VA	.25 %	CR									

Table 27: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRIN	GIEI	COLQ	ILMG	IAMG	VELE	PESM	JINE	YLD
62A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	92	100	88	88	100	100	100	37
62B	DPX A5969	75.00 WP	.13 LB/AC	CR									
62C	SURFACTANT (X-77)	.50 WA	.25 %	CR									
63A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	82	98	68	68	100	100	100	34
63B	DPX A5969	75.00 WP	.02 LB/AC	1TR									
63C	SURFACTANT (X-77)	.50 WA	.25 %	1TR									
64A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	82	100	78	78	100	100	98	32
64B	DPX A5969	75.00 WP	.03 LB/AC	1TR									
64C	SURFACTANT (X-77)	.50 WA	.25 %	1TR									
65A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	75	100	90	90	100	100	100	28
65B	DPX A5969	75.00 WP	.06 LB/AC	1TR									
65C	SURFACTANT (X-77)	.50 WA	.25 %	1TR									
66A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	90	65	65	100	100	95	34
66B	DPX A5969	75.00 WP	.02 LB/AC	1TR									
67A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	62	100	60	60	95	100	100	32
67B	DPX A5969	75.00 WP	.03 LB/AC	1TR									
68A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	72	90	58	58	58	100	52	32
68B	DPX A5969	75.00 WP	.03 LB/AC	3TR									
68C	SURFACTANT (X-77)	.50 WA	.25 %	3TR									
69A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	78	52	52	78	100	48	29
69B	DPX A5969	75.00 WP	.03 LB/AC	3TR									
70A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	0	65	100	65	85	100	100	100	30
70B	BENTAZON	4.00 E	1.00 LB/AC	MP									
70C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
71A	PENDIMETHALIN	60.00 DG	1.25 LB/AC	PPI	2	72	100	88	88	100	100	100	25
71B	BENTAZON	4.00 E	1.00 LB/AC	MP									
71C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
72	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	0	100	0	0	0	0	0	0	16
73A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	0	100	0	0	0	0	0	0	22
73B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
74A	PPG-844	2.00 F	.25 LB/AC	EP	8	100	72	80	80	100	100	98	30
74B	SETHOXYDIM	1.53 EC	.25 LB/AC	EP									
74C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
75A	PPG-844	2.00 F	.25 LB/AC	EP	12	95	82	72	72	95	88	100	27
75B	SETHOXYDIM	1.53 EC	.25 LB/AC	EP									
75C	2,4-DB	2.00 F	.03 LB/AC	EP									

Table 27: Soybean Postemergence—Second Evaluation (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRLM	SIDI	COLQ	ILMG	IAMS	VELE	PESN	TIME	YLD
76	PPG 1013	1.00 E	.02 LB/AC	EP	0	0	88	62	62	100	100	100	12
77	PPG 1013	1.00 E	.04 LB/AC	EP	0	10	100	88	88	100	100	100	15
78A	MC 10978	2.00 S	.50 LB/AC	MP	0	90	55	95	95	95	100	100	34
78B	BENTAZON	4.00 E	.50 LB/AC	MP									
78C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
79A	MC 10978	2.00 S	.50 LB/AC	MP	0	98	90	88	88	95	90	100	32
79B	BENTAZON	4.00 E	.50 LB/AC	MP									
79C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
79D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
80A	MC 10978	2.00 S	.25 LB/AC	MP	0	80	50	88	88	95	100	100	32
80B	BENTAZON	4.00 E	.75 LB/AC	MP									
80C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
81A	MC 10978	2.00 S	.25 LB/AC	MP	0	95	92	90	90	100	98	100	34
81B	BENTAZON	4.00 E	.75 LB/AC	MP									
81C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
81D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
82A	MC 10978	2.00 S	.50 LB/AC	MP	0	88	55	88	88	60	100	100	29
82B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
83A	MC 10978	2.00 S	.50 LB/AC	MP	0	100	82	92	92	90	90	100	29
83B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
83C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
84	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100	100	40
				LSD(05):	4	13	19	20	20	22	17	8	

LOCATION: SPINDLETOP FARM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
DATE PLANTED: MAY 6
VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
PH: 6.1 O.M.: 3.1%
DATE TREATED: MAY 14 CR & COD
MAY 24 EP & LTR
MAY 28 MP

JUNE 2 LP, JUNE 3 POD, JUNE 4 STR
EP 0-2", MP 2-4", LP 4-6" WEEDS.

Table 28: Soybean Preemergence and Postemergence Supplement

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' BRLE	'A' CRIN	'A' GIET	'A' IAMG	AUG 19 GIEL	AUG 19 IAMG	AUG 19 CRLY
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	32	18	100	28	92	8	0
1B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	48	20	100	48	98	12	0
2B	LINURON	4.00 L	1.00 LB/AC	PRE								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	78	5	100	75	95	38	0
3B	DPX A5969	75.00 WP	.06 LB/AC	PRE								
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	10	100	88	92	72	0
4B	DPX A5969	75.00 WP	.13 LB/AC	PRE								
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	8	100	85	92	70	0
5B	DPX A5967	75.00 WP	.13 LB/AC	PRE								
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	65	20	100	85	92	62	0
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	100	92	10	100	92	95	72	0
7B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
7C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	35	100	88	92	55	5
8B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
8C	NAPPA/DN	3.00 E	1.50 LB/AC	EP								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	75	20	92	72	92	62	0
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	98	82	8	98	82	98	60	0
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	92	80	12	92	80	95	60	0
11B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
11C	ACIFLUORFEN	2.00 E	.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	100	75	35	100	75	100	58	5
12B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
12C	NAPPA/DN	3.00 E	2.25 LB/AC	LP								
12D	2,4-DB	2.00 E	.03 LB/AC	LP								

Table 28: Soybean Preemergence and Postemergence Supplement (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' ABLE	'A' CRIN	AUG 19 GIFL	AUG 19 IAMG	AUG 19 GIFL	AUG 19 IAMG	AUG 19 CRIV
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	18	5	98	12	95	8	0
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	100	85	22	100	85	90	50	0
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	100	90	12	100	90	98	60	0
15B	LINURON	4.00 L	1.00 LB/AC	PRE								
15C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	78	28	100	78	98	50	2
16B	LINURON	4.00 L	1.00 LB/AC	PRE								
16C	NAPPA/ON	3.00 E	1.50 LB/AC	EP								
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	25	2	98	22	98	10	0
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	98	78	5	98	78	95	60	0
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	100	90	8	100	90	95	65	0
19B	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	75	18	100	75	92	48	0
20B	NAPPA/ON	3.00 E	1.50 LB/AC	EP								
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	52	12	100	50	100	18	0
21B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
22A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	88	12	100	88	98	65	0
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	100	90	12	100	90	98	72	0
23B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
23C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	101	82	28	100	82	100	48	0
24B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
24C	NAPPA/ON	3.00 E	1.50 LB/AC	EP								

Table 28: Soybean Preemergence and Postemergence Supplement (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' BRLE	'A' CRIN	'A' GIFI	'A' IAMG	AUG 19 GIFI	AUG 19 IAMG	AUG 19 CRIV
25A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	50	10	100	48	98	12	0
25B	LINURON	4.00 L	1.00 LB/AC	PRE								
26A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	98	88	12	98	88	95	68	0
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	100	88	12	100	88	98	68	0
27B	LINURON	4.00 L	1.00 LB/AC	PR								
27C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
28A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	90	30	100	90	100	65	5
28B	LINURON	4.00 L	1.00 LB/AC	PRE								
28C	NAMPA/DN	3.00 E	1.50 LB/AC	EP								
29A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	85	5	100	85	98	60	0
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	98	90	0	98	90	98	65	0
30B	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
31A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	62	12	100	60	100	25	0
31B	NAMPA/DN	3.00 E	1.50 LB/AC	EP								
32A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	80	78	2	80	78	55	55	0
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	85	48	0	85	42	88	22	0
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	85	90	32	85	90	52	70	8
34B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
34C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
35A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	90	90	18	90	92	85	72	0
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
35C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP								
36A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	85	65	8	85	65	88	45	0
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	85	42	0	85	40	88	42	0
37B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
37C	BENTAZON	4.00 E	1.00 LB/AC	MP								

Table 28: Soybean Preemergence and Postemergence Supplement (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' BRLE	'A' CRIN	AUG 19 GIEI	AUG 19 IAMG	AUG 19 GIEI	AUG 19 IAMG	AUG 19 CRIN
38A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	90	90	28	90	90	82	55	2
38B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
38C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
39A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	90	98	20	90	98	82	78	0
39B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
39C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP								
40A	DOWCO 453	2.00 E	.06 LB/AC	EP	88	80	0	88	72	75	42	0
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	90	52	0	90	45	90	42	0
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	92	80	28	92	80	75	65	2
42B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
42C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP								
43A	DOWCO 453	2.00 E	.13 LB/AC	MP	90	92	10	90	92	90	80	0
43B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
43C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP								
44A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	42	62	2	42	62	30	52	0
44B	SURFACTANT (X-77)	.50 NA	.25 %	EP								
44C	BENTAZON	4.00 E	.75 LB/AC	EP								
44D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
45A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	98	38	10	98	30	92	20	0
45B	SURFACTANT (X-77)	.50 NA	.25 %	EP								
45C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE								
46A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	98	22	5	98	20	95	0	0
46B	SURFACTANT (X-77)	.50 NA	.25 %	EP								
46C	LINURON	4.00 L	1.00 LB/AC	PRE								
47	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	0	0	0
48	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	0
			LSD(05):		4	12	8	4	11	9	18	3

Table 28: Soybean Preemergence and Postemergence Supplement (continued)

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 3.5%
DATE PLANTED: MAY 25 DATE TREATED: MAY 25 PREEMERGENCE
VARIETY: WILLIAMS JUNE 11 EP
JUNE 18 MP
JUNE 25 LP
'A' THE FIRST RATINGS WERE TAKEN THREE WEEKS AFTRER APPLICATION. EP 0-2"
MP 2-4", LP 4-6" WEEDS.

Table 29: Soybean Tolerance to Postemergence Herbicides—Conventional Tillage

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRIN	--B CRIN	--C CRIN	--D CRIN	--E CRIN	--F CRIN	--G YLD
1	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	38	20	18	18	8	5	37
2	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	48	25	22	12	8	2	38
3A	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	45	28	30	12	5	2	39
3B	2,4-DB	2.00 E	.03 LB/AC	2TR							
4A	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	45	40	30	22	8	2	38
4B	2,4-DB	2.00 E	.06 LB/AC	2TR							
5A	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	48	35	28	20	12	10	38
5B	2,4-DB	2.00 E	.03 LB/AC	2TR							
6A	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	50	45	32	18	8	5	37
6B	2,4-DB	2.00 E	.06 LB/AC	2TR							
7	2,4-DB	2.00 E	.03 LB/AC	2TR	12	5	8	0	2	2	42
8	2,4-DB	2.00 E	.06 LB/AC	2TR	22	10	18	8	2	0	41
9	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	22	38	22	10	2	2	39
10	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	25	42	20	10	2	2	38
11A	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	22	48	35	18	10	0	39
11B	2,4-DB	2.00 E	.03 LB/AC	5TR							
12A	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	22	48	30	8	0	0	40
12B	2,4-DB	2.00 E	.06 LB/AC	5TR							
13A	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	25	42	22	10	5	0	39
13B	2,4-DB	2.00 E	.03 LB/AC	5TR							
14A	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	28	52	28	5	2	2	39
14B	2,4-DB	2.00 E	.06 LB/AC	5TR							
15	2,4-DB	2.00 E	.03 LB/AC	5TR	15	10	5	5	2	2	46
16	2,4-DB	2.00 E	.06 LB/AC	5TR	15	20	25	10	2	2	40
17A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	58	50	35	20	10	10	35
17B	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR							
18A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	68	52	40	25	15	10	37
18B	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR							
19A	MEFLUIDIDE	2.00 S	.20 LB/AC	5TR	22	28	22	8	0	2	40
19B	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR							

Table 29: Soybean Tolerance to Postemergence Herbicides—Conventional Tillage (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRIN	--B CRIN	--C CRIN	--D CRIN	--E CRIN	--F CRIN	--G YLD
20A	MEFLUIDIDE	2.00 S	.20	LB/AC STR	18	45	32	8	5	2	38
20B	ACIFLUORFEN	2.00 E	.50	LB/AC STR							
21A	SETHOXYDIM	1.53 EC	.20	LB/AC 2TR	42	25	22	15	10	8	36
21B	ACIFLUORFEN	2.00 E	.38	LB/AC 2TR							
21C	OIL CONCENTRATE	.00 AD	1.00	QT/AC 2TR							
22A	SETHOXYDIM	1.53 EC	.20	LB/AC 2TR	25	20	18	10	8	5	38
22B	OIL CONCENTRATE	.00 AD	1.00	QT/AC 2TR							
22C	ACIFLUORFEN	2.00 E	.38	LB/AC SEQ							
23A	SETHOXYDIM	1.53 EC	.20	LB/AC STR	42	48	25	5	0	0	40
23B	ACIFLUORFEN	2.00 E	.38	LB/AC STR							
23C	OIL CONCENTRATE	.00 AD	1.00	QT/AC STR							
24A	SETHOXYDIM	1.53 EC	.20	LB/AC STR	30	40	30	5	0	0	40
24B	OIL CONCENTRATE	.00 AD	1.00	QT/AC STR							
24C	ACIFLUORFEN	2.00 E	.38	LB/AC SEQ							
25	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	0	42
26	CHECK (UNCULTIVATED)	.00 CK	.00		****** NO DATA FOUND ******						
				LSD(05):	11	16	12	9	9	7	*

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 5.0%
DATE PLANTED: MAY 11 DATE TREATED: JUNE 7 2TR
VARIETY: WILLIAMS JUNE 22 STR
A JUNE 28, B JULY 6, C JULY 13,
D JULY 20, E AUGUST 3, F AUGUST 17, G SEPTEMBER 15 HARVEST.
THE FIRST RATING WAS TAKEN APPROXIMATELY ONE WEEK AFTER APPLICATION.

Table 30: Soybean Tolerance to Postemergence Herbicides—No-Tillage

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A CRIN	---B CRIN	---C CRIN	---D CRIN	---E CRIN	---F CRIN
1	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	35	20	8	2	0	0
2	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	35	18	12	5	0	0
3A	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	38	28	10	12	5	5
3B	2,4-DB	2.00 E	.03 LB/AC	2TR						
4A	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	28	45	25	20	8	2
4B	2,4-DB	2.00 E	.06 LB/AC	2TR						
5A	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	48	40	22	28	8	0
5B	2,4-DB	2.00 E	.03 LB/AC	2TR						
6A	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	38	30	18	22	2	0
6B	2,4-DB	2.00 E	.06 LB/AC	2TR						
7	2,4-DB	2.00 E	.03 LB/AC	2TR	0	15	12	18	0	2
8	2,4-DB	2.00 E	.06 LB/AC	2TR	0	18	8	15	8	0
9	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	0	40	38	38	10	5
10	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	0	58	50	40	18	8
11A	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	0	55	40	32	10	8
11B	2,4-DB	2.00 E	.03 LB/AC	5TR						
12A	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	0	48	42	42	20	8
12B	2,4-DB	2.00 E	.06 LB/AC	5TR						
13A	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	0	55	48	32	10	2
13B	2,4-DB	2.00 E	.03 LB/AC	5TR						
14A	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	0	55	48	38	15	0
14B	2,4-DB	2.00 E	.06 LB/AC	5TR						
15	2,4-DB	2.00 E	.03 LB/AC	5TR	0	15	5	5	0	0
16	2,4-DB	2.00 E	.06 LB/AC	5TR	0	28	8	2	0	0
17A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	38	22	8	2	0	0
17B	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR						
18A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	48	38	15	5	0	0
18B	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR						
19A	MEFLUIDIDE	2.00 S	.20 LB/AC	5TR	0	38	40	42	25	12
19B	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR						

Table 30: Soybean Tolerance to Postemergence Herbicides—No-Tillage (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---A CRTN	---B CRTN	---C CRTN	---D CRTN	---E CRTN	---F CRTN
20A	MEFLUIDIDE	2.00 S	.20	LB/AC	STR	0	50	45	40	22	15
20B	ACIFLUORFEN	2.00 E	.50	LB/AC	STR						
21A	SETHOXYDIM	1.53 EC	.20	LB/AC	2TR	55	35	15	5	0	0
21B	ACIFLUORFEN	2.00 E	.38	LB/AC	2TR						
21C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	2TR						
22A	SETHOXYDIM	1.53 EC	.20	LB/AC	2TR	28	22	10	8	0	0
22B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	2TR						
22C	ACIFLUORFEN	2.00 E	.38	LB/AC	SEQ						
23A	SETHOXYDIM	1.53 EC	.20	LB/AC	STR	0	70	52	48	12	5
23B	ACIFLUORFEN	2.00 E	.38	LB/AC	STR						
23C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	STR						
24A	SETHOXYDIM	1.53 EC	.20	LB/AC	STR	0	10	42	35	12	5
24B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	STR						
24C	ACIFLUORFEN	2.00 E	.38	LB/AC	SEQ						
25	CHECK (UNCULTIVATED)	.00 CK	.00			0	0	0	0	0	0
26	CHECK (UNCULTIVATED)	.00 CK	.00			******	NO DATA FOUND			******	
				LSD(05):		7	12	13	11	6	7

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.5 O.M.: 3.5%
DATE PLANTED: JULY 6 DATE TREATED: JULY 29 2TR
VARIETY: WILLAMS AUGUST 2 SEQ
AUGUST 9 STR

AUGUST 12 SEV. A= AUGUST 6, B= AUGUST 12, C= AUGUST 19,
D= AUGUST 26, E= SEPTEMBER 9, F= SEPTEMBER 23.

Table 31: Soybean No-Tillage in Wheat Stubble

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 CRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 CRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
1A	PARAQUAT	2.00 E	.25 LB/AC	PRE	77	70	7	77	67	77	3	73	67	77
1B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
1C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
1D	LINURON	4.00 L	1.00 LB/AC	PRE										
2A	PARAQUAT	2.00 E	.25 LB/AC	PRE	97	100	7	97	100	100	3	97	100	100
2B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
2C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
2D	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE										
3A	PARAQUAT	2.00 E	.25 LB/AC	PRE	100	100	13	100	100	100	10	100	100	100
3B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
3C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
3D	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
4A	PARAQUAT	2.00 E	.25 LB/AC	PRE	13	90	13	13	100	83	13	13	100	83
4B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
4C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
4D	RH-8817	2.00 E	.75 LB/AC	PRE										
5A	PARAQUAT	2.00 E	.25 LB/AC	PRE	53	87	20	53	87	90	13	43	83	87
5B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
5C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
5D	RH-8817	2.00 E	1.00 LB/AC	PRE										
6A	PARAQUAT	2.00 E	.25 LB/AC	PRE	40	60	17	40	70	57	10	37	67	53
6B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
6C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
6D	OXYFLUORFEN	2.00 E	.50 LB/AC	PRE										
7A	PARAQUAT	2.00 E	.25 LB/AC	PRE	83	97	10	83	93	100	7	73	93	90
7B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
7C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
7D	BENTAZON	4.00 E	.75 LB/AC	EP										
7E	2,4-DB	2.00 E	.03 LB/AC	EP										
8A	PARAQUAT	2.00 E	.25 LB/AC	PRE	43	87	13	43	83	90	13	27	83	90
8B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
8C	ALACHLOR	4.00 E	3.00 LB/AC	PRE										
8D	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE										
9A	PARAQUAT	2.00 E	.25 LB/AC	PRE	77	93	13	77	90	100	7	73	87	100
9B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
9C	ALACHLOR	4.00 E	3.00 LB/AC	PRE										
9D	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE										
9E	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										

Table 31: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 GRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 GRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
10A	PARAQUAT	2.00 E	.25 LB/AC	PRE	77	100	7	77	97	97	7	60	90	97
10B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
10C	ALACHLOR	4.00 E	3.00 LB/AC	PRE										
10D	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE										
10E	LINURON	4.00 L	1.00 LB/AC	PRE										
11A	PARAQUAT	2.00 E	.25 LB/AC	PRE	90	93	7	90	90	100	3	83	83	100
11B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
11C	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
11D	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
12A	PARAQUAT	2.00 E	.25 LB/AC	PRE	77	93	10	77	93	90	7	70	90	90
12B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
12C	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
12D	LINURON	4.00 L	1.00 LB/AC	PRE										
13A	PARAQUAT	2.00 E	.25 LB/AC	PRE	67	80	7	67	83	83	3	63	83	83
13B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
13C	ORYZALIN	4.00 AS	1.00 LB/AC	PRE										
13D	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
14A	PARAQUAT	2.00 E	.25 LB/AC	PRE	93	97	3	93	100	93	3	93	100	93
14B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
14C	S-734	75.00 WP	.75 LB/AC	PRE										
14D	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
15A	PARAQUAT	2.00 E	.25 LB/AC	PRE	87	93	0	87	97	93	0	83	97	90
15B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
15C	S-734	75.00 WP	1.00 LB/AC	PRE										
15D	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
16A	PARAQUAT	2.00 E	.25 LB/AC	PRE	97	100	7	97	100	100	7	97	100	100
16B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
16C	S-734	75.00 WP	1.50 LB/AC	PRE										
16D	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
17A	PARAQUAT	2.00 E	.25 LB/AC	PRE	93	97	20	93	100	93	13	90	100	93
17B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
17C	CP 55097	8.00 EC	2.00 LB/AC	PRE										
17D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
18A	PARAQUAT	2.00 E	.25 LB/AC	PRE	77	93	17	77	80	100	3	67	77	93
18B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
18C	CP 55097	8.00 EC	2.50 LB/AC	PRE										
18D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
19A	PARAQUAT	2.00 E	.25 LB/AC	PRE	100	100	7	100	100	100	7	93	100	100
19B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
19C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										

Table 31: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 CRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 CRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
20A	PARAQUAT	2.00 E	.25 LB/AC	PRE	60	53	17	60	37	93	13	60	37	93
20B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
20C	ORYZALIN	4.00 AS	1.00 LB/AC	PRE										
21A	PARAQUAT	2.00 E	.25 LB/AC	PRE	57	80	0	57	67	100	0	53	67	100
21B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
21C	LINURON	4.00 L	1.00 LB/AC	PRE										
22A	PARAQUAT	2.00 E	.25 LB/AC	PRE	3	87	13	3	83	93	10	0	80	93
22B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
22C	PPG-844	2.00 E	.50 LB/AC	PRE										
22D	LINURON	4.00 L	1.00 LB/AC	PRE										
23A	PARAQUAT	2.00 E	.25 LB/AC	PRE	90	90	0	90	100	83	0	83	100	83
23B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
23C	PPG-844	2.00 E	.50 LB/AC	PRE										
23D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
24A	PARAQUAT	2.00 E	.25 LB/AC	PRE	73	63	3	73	57	73	0	70	50	73
24B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
24C	MBR 22359	2.00 E	2.00 LB/AC	PRE										
24D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
25A	PARAQUAT	2.00 E	.25 LB/AC	PRE	93	97	13	93	100	93	7	90	100	90
25B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
25C	MBR 22359	2.00 E	3.00 LB/AC	PRE										
25D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
26A	PARAQUAT	2.00 E	.25 LB/AC	PRE	30	80	20	30	73	100	17	27	70	100
26B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
26C	MBR 23709	2.00 S	2.00 LB/AC	PRE										
26D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
27A	PARAQUAT	2.00 E	.25 LB/AC	PRE	50	80	10	50	90	77	7	43	90	70
27B	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
27C	MBR 23709	2.00 S	3.00 LB/AC	PRE										
27D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
28A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	83	93	0	83	93	93	0	70	93	87
28B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
28C	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE										
29A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	57	60	7	57	53	70	3	53	43	70
29B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
29C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
30A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	97	67	13	97	83	57	10	97	80	47
30B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
30C	OXYFLUORFEN	2.00 E	.50 LB/AC	PRE										

Table 31: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 CRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 CRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
31A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	60	57	17	60	53	63	7	60	40	57
31B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
31C	RH-8817	2.00 E	.75 LB/AC	PRE										
32A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	50	47	10	50	43	57	10	40	37	57
32B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
32C	RH-8817	2.00 E	1.00 LB/AC	PRE										
33A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	77	83	20	77	80	100	13	77	73	100
33B	CP 55097	8.00 EC	2.00 LB/AC	PRE										
33C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
34A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	80	80	20	80	80	83	10	80	73	83
34B	CP 55097	8.00 EC	2.50 LB/AC	PRE										
34C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
35A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	50	80	23	50	73	100	13	43	67	100
35B	CP 55097	8.00 EC	2.00 LB/AC	PRE										
35C	LINURON	4.00 L	1.00 LB/AC	PRE										
36A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	50	80	10	50	83	87	10	40	83	83
36B	CP 55097	8.00 EC	2.50 LB/AC	PRE										
36C	LINURON	4.00 L	1.00 LB/AC	PRE										
37A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	83	100	3	83	100	100	3	80	97	97
37B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
37C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
38A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	87	97	7	87	93	97	7	80	93	97
38B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
38C	LINURON	4.00 L	1.00 LB/AC	PRE										
39A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	77	77	17	77	70	100	10	77	63	100
39B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE										
40A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	37	73	7	37	97	63	3	17	97	63
40B	LINURON	50.00 WP	1.00 LB/AC	PRE										
41A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	47	77	3	47	73	80	3	47	70	80
41B	LINURON	4.00 L	1.00 LB/AC	PRE										
42A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	60	73	3	60	70	87	0	53	63	87
42B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
43A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	93	90	7	93	87	100	3	93	80	100
43B	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE										

Table 31: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 CRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 CRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
44A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	80	93	10	80	100	90	10	73	100	90
44B	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE										
44C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
45A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	90	80	17	90	83	73	13	83	80	70
45B	DPX A5967	75.00 WP	.13 LB/AC	PRE										
46A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	40	80	20	40	93	73	13	30	90	70
46B	DPX A5967	75.00 WP	.25 LB/AC	PRE										
47A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	90	93	13	90	90	100	10	87	90	93
47B	DPX A5969	75.00 WP	.13 LB/AC	PRE										
48A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	73	93	17	73	97	93	13	60	93	93
48B	DPX A5969	75.00 WP	.25 LB/AC	PRE										
49A	HOE 661	1.67 E	.25 LB/AC	PRE	80	97	3	80	93	100	0	77	93	100
49B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
49C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
50A	HOE 661	1.67 E	.50 LB/AC	PRE	50	77	3	50	80	67	3	47	80	67
50B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
50C	METRIBUZIN	75.00 DF	.25 LB/AC	PRE										
51A	HOE 661	1.67 E	.63 LB/AC	PRE	87	90	13	87	100	80	10	87	100	80
51B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
51C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
52A	HOE 661	1.67 E	.75 LB/AC	PRE	70	93	3	70	100	87	3	60	100	87
52B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
52C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
53A	HOE 661	1.67 E	.50 LB/AC	PRE	60	73	3	60	77	73	3	50	77	73
53B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
53C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
54A	HOE 661	1.67 E	.63 LB/AC	PRE	47	77	7	47	80	90	7	43	73	90
54B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
54C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
55A	HOE 661	1.67 E	.75 LB/AC	PRE	73	83	17	73	80	100	13	70	80	100
55B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
55C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
56A	SC 0224	4.00 LC	1.50 LB/AC	PRE	87	83	7	87	87	83	7	83	80	80
56B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										

Table 31: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 CRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 CRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
57A	SC 0224	4.00 LC	2.00 LB/AC	PRE	97	60	7	97	63	60	7	97	60	60
57B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
58A	SC 0224	4.00 LC	1.50 LB/AC	PRE	90	63	7	90	50	83	10	87	40	77
58B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
59A	SC 0224	4.00 LC	2.00 LB/AC	PRE	83	97	3	83	83	100	3	73	77	100
59B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE										
60A	NC 28260	95.00 WP	1.00 LB/AC	PRE	90	90	3	90	87	100	0	87	87	100
60B	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE										
60C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
60D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
61A	NC 28260	95.00 WP	2.00 LB/AC	PRE	77	87	10	77	90	90	10	70	83	90
61B	SURFACTANT (TAFEN 20	.00 WA	1.00 %	PRE										
61C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
61D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE										
62A	PPG-844	2.00 E	.50 LB/AC	PRE	73	83	7	73	100	70	7	73	100	70
62B	LINURON	4.00 L	1.00 LB/AC	PRE										
62C	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
63A	PPG-844	2.00 E	.50 LB/AC	PRE	83	97	3	83	100	93	3	73	100	77
63B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE										
63C	SURFACTANT (X-77)	.50 WA	.25 %	PRE										
64A	NAMPA/DN	3.00 E	3.00 LB/AC	PRE	33	63	13	33	67	63	13	30	57	63
64B	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE										
64C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
65A	NAMPA/DN	3.00 E	3.00 LB/AC	PRE	70	73	13	70	67	87	7	70	67	87
65B	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE										
65C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
66A	NAMPA/DN	3.00 E	3.00 LB/AC	PRE	97	97	13	97	100	90	13	97	100	87
66B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE										
66C	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
67A	NAMPA/DN	3.00 E	4.50 LB/AC	PRE	7	30	20	7	33	17	13	7	27	50
67B	ALACHLOR	4.00 E	2.50 LB/AC	PRE										
68A	LINURON	4.00 L	1.00 LB/AC	PRE	37	47	20	37	33	83	13	37	33	83
68B	CGA-82725	2.00 EC	.25 LB/AC	LP										
68C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
69A	LINURON	4.00 L	1.00 LB/AC	PRE	53	37	3	53	33	40	3	53	33	33
69B	CGA-82725	2.00 EC	.38 LB/AC	LP										
69C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										

Table 31: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 29 GRAS	JULY 29 BRLE	JULY 29 CRIN	JULY 29 LACG	JULY 29 CORN	JULY 29 COLQ	SEPT. 2 CRIN	SEPT. 2 LACG	SEPT. 2 CORN	SEPT. 2 COLQ
70A	LINURON	4.00 L	1.00 LB/AC	PRE	63	87	13	63	87	93	10	63	83	93
70B	CGA-92725	2.00 EC	.50 LB/AC	LP										
70C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP										
71A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	47	53	33	47	40	80	23	53	17	80
71B	BENTAZON	4.00 E	.75 LB/AC	MP										
71C	2,4-DB	2.00 E	.03 LB/AC	MP										
71D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
72A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	57	43	23	57	37	63	17	57	7	63
72B	BENTAZON	4.00 E	.75 LB/AC	MP										
72C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP										
				LSD(05):	45	36	13	46	44	36	11	46	50	36

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 5.1%
DATE PLANTED: JUNE 8 DATE TREATED: JUNE 8 PREEMERGENCE
VARIETY: WILLIAMS JULY 6 MP
JULY 12 LP

MP 2-4", LP 4-6" WEEDS.

Table 32: Soybean Relay No-Tillage into Standing Wheat

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 10 GRLV	AUGUST 10 GIEL	AUGUST 10 CORN	AUGUST 10 COLO	AUGUST 10 PESW	SEPT 7 GRLV	SEPT 7 GIEL	SEPT 7 CORN	SEPT 7 COLO	SEPT 7 PESW	6/28 YLD
1	PENDIMETHALIN	4.00 E	1.00 LB/AC	TIL	0	18	0	35	8	0	18	0	25	8	24
2A	PENDIMETHALIN	4.00 E	1.00 LB/AC	TIL	0	32	45	28	82	0	32	32	18	82	21
2B	BENTAZON	4.00 E	1.00 LB/AC	MP											
2C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP											
3	PENDIMETHALIN	4.00 E	1.00 LB/AC	JT	0	40	0	0	25	0	40	0	0	25	19
4A	PENDIMETHALIN	4.00 E	1.00 LB/AC	JT	2	48	38	28	58	0	52	15	15	58	24
4B	BENTAZON	4.00 E	1.00 LB/AC	MP											
4C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP											
5	PENDIMETHALIN	4.00 E	1.50 LB/AC	TIL	0	48	25	65	8	0	45	28	62	8	21
6A	PENDIMETHALIN	4.00 E	1.50 LB/AC	TIL	0	35	38	38	78	0	30	32	32	78	18
6B	BENTAZON	4.00 E	1.00 LB/AC	MP											
6C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP											
7	PENDIMETHALIN	4.00 E	1.50 LB/AC	JT	0	30	10	60	50	0	22	10	55	50	21
8A	PENDIMETHALIN	4.00 E	1.50 LB/AC	JT	0	40	30	42	62	0	42	15	38	62	26
8B	BENTAZON	4.00 E	1.00 LB/AC	MP											
8C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP											
9A	PENDIMETHALIN	4.00 E	1.00 LB/AC	POW	0	32	72	92	45	0	32	68	85	35	43
9B	METRIBUZIN 1	4.00 F	.38 LB/AC	POW											
9C	PARAQUAT	2.00 E	.25 LB/AC	POW											
9D	SURFACTANT (X-77)	.50 WA	.50 %	POW											
10A	PENDIMETHALIN	4.00 E	1.50 LB/AC	POW	2	50	75	65	42	0	45	80	58	35	40
10B	METRIBUZIN 1	4.00 F	.50 LB/AC	POW											
10C	PARAQUAT	2.00 E	.25 LB/AC	POW											
10D	SURFACTANT (X-77)	.50 WA	.25 %	POW											
11A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	78	35	72	22	0	78	35	60	20	2
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE											
11C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
11D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
12A	ORYZALIN	4.00 AS	1.00 LB/AC	POW	0	50	100	78	32	0	45	100	70	30	37
12B	LINURON	4.00 L	1.00 LB/AC	POW											
12C	PARAQUAT	2.00 E	.25 LB/AC	POW											
12D	SURFACTANT (X-77)	.50 WA	.25 %	POW											
13A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	0	80	55	65	72	0	78	55	65	60	0
13B	LINURON	4.00 L	1.00 LB/AC	PRE											
13C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
13D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											

Table 32: Soybean Relay No-Tillage into Standing Wheat (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 10 GRIN	AUGUST 10 GIFT	AUGUST 10 CORN	AUGUST 10 COLQ	AUGUST 10 PESN	SEPT 7 GRIN	SEPT 7 GIFT	SEPT 7 CORN	SEPT 7 COLQ	SEPT 7 PESN	6/28 YLD
14	ORYZALIN	4.00 AS	1.50 LB/AC	JT	0	52	12	0	50	0	48	12	0	45	19
15A	ORYZALIN	4.00 AS	1.00 LB/AC	JT	0	52	30	50	35	0	55	20	25	30	38
15B	ORYZALIN	4.00 AS	1.00 LB/AC	POW											
16A	ORYZALIN	4.00 AS	.50 LB/AC	JT	0	55	68	90	40	0	58	68	88	28	36
16B	ORYZALIN	4.00 AS	.50 LB/AC	POW											
16C	LINURON	4.00 L	1.00 LB/AC	POW											
17A	SETHOXYDIM	1.53 EC	.75 LB/AC	MP	0	95	58	0	100	0	98	50	0	100	24
17B	BENTAZON	4.00 E	.75 LB/AC	MP											
17C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP											
			LSD(05):		NS	30	40	47	46	NS	30	42	43	47	

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 5.1%
DATE PLANTED: MAY 10 DATE TREATED: APRIL 26 TILL
VARIETY: WILLIAMS MAY 6 JT
MAY 10 PREEMERGENCE
JUNE 26 POW, JULY 17 MP. PRE = TOTAL TILL OF WHEAT AT SOYBEAN PLANTING.
POW, POST AFTER WHEAT HARVEST, TRUE NO-TILL DOUBLE CROP SOYBEANS.

Table 33: Soybean No-Tillage-Carrier Volume Comparison for Glyphosate

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	8/2 CRLN	8/2 YENS	8/2 PESW	9/4 YENS	9/4 PESW
1	GLYPHOSATE 12.5 GPA	4.00 E	.25 LB/AC	PRE	0	32	68	28	58
2	GLYPHOSATE 25 GPA	4.00 E	.25 LB/AC	PRE	0	30	40	25	32
3	GLYPHOSATE 4.5 COA	4.00 E	.25 LB/AC	PRE	0	25	55	10	48
4	GLYPHOSATE 12.5 GPA	4.00 E	.50 LB/AC	PRE	0	50	72	48	70
5	GLYPHOSATE 25 GPA	4.00 E	.50 LB/AC	PRE	0	35	68	32	68
6	GLYPHOSATE 4.5 COA	4.00 E	.50 LB/AC	PRE	0	22	28	20	25
7	GLYPHOSATE 12.5 GPA	4.00 E	.75 LB/AC	PRE	0	52	68	52	68
8	GLYPHOSATE 25 GPA	4.00 E	.75 LB/AC	PRE	0	50	60	42	58
9	GLYPHOSATE 4.5 COA	4.00 E	.75 LB/AC	PRE	0	35	38	25	32
10	GLYPHOSATE 12.5 GPA	4.00 E	1.00 LB/AC	PRE	0	68	88	65	82
11	GLYPHOSATE 25 GPA	4.00 E	1.00 LB/AC	PRE	0	62	62	52	52
12	GLYPHOSATE 4.5 COA	4.00 E	1.00 LB/AC	PRE	0	48	82	38	75
13	GLYPHOSATE 12.5 GPA	4.00 E	2.00 LB/AC	PRE	0	75	95	75	95
14	GLYPHOSATE 25 GPA	4.00 E	2.00 LB/AC	PRE	0	65	82	65	82
15	GLYPHOSATE 4.5 COA	4.00 E	2.00 LB/AC	PRE	0	42	45	40	40
16A	GLYPHOSATE 12.5 GPA	4.00 E	.25 LB/AC	PRE	0	48	58	45	55
16B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
17A	GLYPHOSATE 25 GPA	4.00 E	.25 LB/AC	PRE	0	32	42	32	35
17B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
18A	GLYPHOSATE 4.5 COA	4.00 E	.25 LB/AC	PRE	0	38	50	32	25
18B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
19A	GLYPHOSATE 12.5 GPA	4.00 E	.50 LB/AC	PRE	0	48	85	48	85
19B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
20A	GLYPHOSATE 25 GPA	4.00 E	.50 LB/AC	PRE	0	32	50	28	42
20B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
21A	GLYPHOSATE 4.5 COA	4.00 E	.50 LB/AC	PRE	0	18	30	15	18
21B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					

Table 33: Soybean No-Tillage-Carrier Volume Comparison for Glyphosate (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	8/2 CRTY	8/2 YENS	8/2 PESW	9/4 YENS	9/4 PESW
22A	GLYPHOSATE 12.5 GPA	4.00 E	.75	LB/AC	PRE	0	62	78	62	82
22B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
23A	GLYPHOSATE 26 GPA	4.00 E	.75	LB/AC	PRE	0	52	68	48	62
23B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
24A	GLYPHOSATE 4.5 COA	4.00 E	.75	LB/AC	PRE	0	32	68	32	60
24B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
25A	GLYPHOSATE 12.5 GPA	4.00 E	1.00	LB/AC	PRE	0	62	85	58	82
25B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
26A	GLYPHOSATE 26 GPA	4.00 E	1.00	LB/AC	PRE	0	62	82	60	80
26B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
27A	GLYPHOSATE 4.5 COA	4.00 E	1.00	LB/AC	PRE	0	32	50	30	40
27B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
28A	GLYPHOSATE 12.5 GPA	4.00 E	2.00	LB/AC	PRE	0	70	92	68	90
28B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
29A	GLYPHOSATE 26 GPA	4.00 E	2.00	LB/AC	PRE	0	68	88	65	88
29B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
30A	GLYPHOSATE 4.5 COA	4.00 E	2.00	LB/AC	PRE	0	52	62	52	58
30B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
31	ALACH + GLYP 12.5 GP	4.00 E	4.00	LB/AC	PRE	0	65	75	70	78
32	ALACH + GLYP 26 GPA	4.00 E	4.00	LB/AC	PRE	0	62	75	62	75
33	ALACH + GLYP 4.5 GPA	4.00 E	4.00	LB/AC	PRE	0	38	52	30	42
34A	ALACH + GLYP 4.5 GPA	4.00 E	4.00	LB/AC	PRE	0	48	68	42	65
34B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
35A	SETHOXYDIM	1.53 EC	.20	LB/AC	LP	0	0	0	0	0
35B	BENTAZON	4.00 E	.75	LB/AC	LP					
35C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LP					
36A	SETHOXYDIM	1.53 EC	.20	LB/AC	LP	0	0	0	0	0
36B	BENTAZON	4.00 E	.75	LB/AC	LP					
36C	ACIFLUORFEN	2.00 E	.25	LB/AC	LP					
36D	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LP					
				LSD(05):		NS	16	26	17	26

Table 33: Soybean No-Tillage-Carrier Volume Comparison for Glyphosate (continued)

LOCATION: SPINOLETTO FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.5 O.M.: 4.0%
DATE PLANTED: JULY 6 DATE TREATED: JULY 7 PREEMERGENCE
VARIETY: WILLIAMS

Table 34: Soybean No-Tillage—Glyphosate Rate and Carrier Volume Comparison

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	8/2 CRIV	8/2 GIEI	8/2 PESW	9/3 GIEI	9/3 PESW
1	GLYPHOSATE 12.5 GPA	4.00 E	.25 LB/AC	PRE	0	55	32	50	35
2	GLYPHOSATE 26 GPA	4.00 E	.25 LB/AC	PRE	0	82	50	70	55
3	GLYPHOSATE 12.5 GPA	4.00 E	.38 LB/AC	PRE	0	55	42	42	40
4	GLYPHOSATE 26 GPA	4.00 E	.38 LB/AC	PRE	0	80	52	78	52
5	GLYPHOSATE 12.5 GPA	4.00 E	.50 LB/AC	PRE	0	48	45	40	28
6	GLYPHOSATE 26 GPA	4.00 E	.50 LB/AC	PRE	0	70	58	62	48
7	GLYPHOSATE 12.5 GPA	4.00 E	.75 LB/AC	PRE	0	82	65	68	60
8	GLYPHOSATE 26 GPA	4.00 E	.75 LB/AC	PRE	0	78	78	75	78
9	GLYPHOSATE 12.5 GPA	4.00 E	1.00 LB/AC	PRE	0	85	60	78	65
10	GLYPHOSATE 26 GPA	4.00 E	1.00 LB/AC	PRE	0	85	62	80	82
11	GLYPHOSATE 12.5 GPA	4.00 E	1.13 LB/AC	PRE	0	82	55	70	55
12	GLYPHOSATE 26 GPA	4.00 E	1.13 LB/AC	PRE	0	88	75	82	78
13	GLYPHOSATE 12.5 GPA	4.00 E	1.50 LB/AC	PRE	0	75	35	65	95
14	GLYPHOSATE 26 GPA	4.00 E	1.50 LB/AC	PRE	0	95	70	90	70
15	GLYPHOSATE 12.5 GPA	4.00 E	2.00 LB/AC	PRE	0	80	70	72	72
16	GLYPHOSATE 26 GPA	4.00 E	2.00 LB/AC	PRE	0	88	80	78	80
17A	GLYPHOSATE 12.5 GPA	4.00 E	.25 LB/AC	PRE	0	28	40	22	30
17B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
18A	GLYPHOSATE 26 GPA	4.00 E	.25 LB/AC	PRE	0	45	42	40	25
18B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
19A	GLYPHOSATE 12.5 GPA	4.00 E	.38 LB/AC	PRE	0	70	40	65	45
19B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
20A	GLYPHOSATE 26 GPA	4.00 E	.38 LB/AC	PRE	0	62	65	55	58
20B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					
21A	GLYPHOSATE 12.5 GPA	4.00 E	.50 LB/AC	PRE	0	78	78	68	75
21B	SURFACTANT (X-77)	.50 VA	.50 %	PRE					

Table 34: Soybean No-Tillage—Glyphosate Rate and Carrier Volume Comparison (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	8/2 CRIN	8/2 GIEI	8/2 PESN	9/3 GIEI	9/3 PESN
22A	GLYPHOSATE 26 GPA	4.00 E	.50	LB/AC	PRE	0	70	78	62	78
22B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
23A	GLYPHOSATE 12.5 GPA	4.00 E	.75	LB/AC	PRE	0	72	68	68	72
23B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
24A	GLYPHOSATE 26 GPA	4.00 E	.75	LB/AC	PRE	0	68	55	60	52
24B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
25A	GLYPHOSATE 12.5 GPA	4.00 E	1.00	LB/AC	PRE	0	85	50	75	45
25B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
26A	GLYPHOSATE 26 GPA	4.00 E	1.00	LB/AC	PRE	0	68	78	68	75
26B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
27A	GLYPHOSATE 12.5 GPA	4.00 E	1.13	LB/AC	PRE	0	78	85	68	82
27B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
28A	GLYPHOSATE 26 GPA	4.00 E	1.13	LB/AC	PRE	0	90	70	82	65
28B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
29A	GLYPHOSATE 12.5 GPA	4.00 E	1.50	LB/AC	PRE	0	82	75	70	75
29B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
30A	GLYPHOSATE 26 GPA	4.00 E	1.50	LB/AC	PRE	0	85	95	80	98
30B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
31A	GLYPHOSATE 12.5 GPA	4.00 E	2.00	LB/AC	PRE	0	88	88	72	85
31B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
32A	GLYPHOSATE 26 GPA	4.00 E	2.00	LB/AC	PRE	0	92	92	82	90
32B	SURFACTANT (X-77)	.50 WA	.50	%	PRE					
33	ALACH + GLYP 12.5 GP	4.00 E	4.00	LB/AC	PRE	0	75	72	62	65
34	ALACH + GLYP 26 GPA	4.00 E	4.00	LB/AC	PRE	0	80	68	72	70
35A	SETHOXYDIM	1.53 EC	.20	LB/AC	LP	0	0	0	0	0
35B	BENTAZON	4.00 F	.75	LB/AC	LP					
35C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LP					
36A	SETHOXYDIM	1.53 EC	.20	LB/AC	LP	0	0	0	0	0
36B	BENTAZON	4.00 E	.75	LB/AC	LP					
36C	ACIFLUORFEN	2.00 E	.25	LB/AC	LP					
36D	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LP					
				LSD(05):		NS	23	31	23	36

Table 34: Soybean No-Tillage—Glyphosate Rate and Carrier Volume Comparison (continued)

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%
DATE PLANTED: JULY 3 DATE TREATED: JULY 3 PREEMERGENCE
VARIETY: WILLIAMS

Table 35: Soybean—Eastern Black Nightshade—Pre- and Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA ---- CRTN	9/15 BLNS	9/15 BLNS
1	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	97	83
2	ALACHLOR	4.00 E	3.00 LB/AC	PRE	0	100	80
3	ALACHLOR	4.00 E	4.00 LB/AC	PRE	3	100	83
4A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	7	100	83
4B	LINURON	4.00 L	.75 LB/AC	PRE			
5A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	3	100	93
5B	LINURON	4.00 L	1.00 LB/AC	PRE			
6A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	20	100	83
6B	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE			
7A	OXYFLUORFEN	2.00 E	.38 LB/AC	PRE	43	100	93
7B	ALACHLOR	4.00 E	2.00 LB/AC	PRE			
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	33	97	97
8B	OXYFLUORFEN	2.00 E	.38 LB/AC	PRE			
8C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP			
9A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	23	100	93
9B	MC 10978	2.00 S	.50 LB/AC	MP			
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	17	100	87
10B	MC 10978	2.00 S	.50 LB/AC	MP			
10C	SURFACTANT (X-77)	.50 WA	.50 %	MP			
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	3	100	83
11B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE			
11C	LINURON	4.00 L	.75 LB/AC	PRE			
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	7	100	90
12B	CHLORAMBEN	2.00 E	2.50 LB/AC	PRE			
12C	LINURON	4.00 L	1.00 LB/AC	PRE			
13A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	3	97	90
13B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	23	93	83
14B	METRIBUZIN 2	4.00 L	.50 LB/AC	POD			
14C	WK (SURFACTANT)	.00 WA	.25 %	POD			
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	30	97	93
15B	LINURON	4.00 L	1.00 LB/AC	POD			
15C	2,4-DB	2.00 E	.20 LB/AC	POD			
15D	WK (SURFACTANT)	.00 WA	.25 %	POD			

Table 35: Soybean—Eastern Black Nightshade—Pre- and Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRIV	9/15 BLNS	BLNS
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	23	97	90
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
16C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD			
16D	2,4-DB	2.00 F	.20 LB/AC	POD			
16E	SURFACTANT (X-77)	.50 WA	.25 %	POD			
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	17	93	93
17B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
17C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD			
17D	2,4-DB	2.00 E	.20 LB/AC	POD			
17E	SURFACTANT (X-77)	.50 WA	.25 %	POD			
18A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	7	97	93
18B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP			
19A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	27	90	90
19B	METRIBUZIN 2	4.00 L	.38 LB/AC	POD			
19C	2,4-DB	2.00 E	.20 LB/AC	POD			
19D	WK (SURFACTANT)	.00 WA	.25 %	POD			
20A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	23	97	87
20B	METRIBUZIN 2	4.00 L	.50 LB/AC	POD			
20C	2,4-DB	2.00 E	.20 LB/AC	POD			
20D	WK (SURFACTANT)	.00 WA	.25 %	POD			
21A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	23	100	90
21B	NAPPA/DN	3.00 F	1.50 LB/AC	EP			
22	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	97	83
23	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	0	97	93
24	METOLACHLOR	5.00 E	4.00 LB/AC	PRE	3	97	93
25A	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	0	97	87
25B	LINURON	4.00 L	.75 LB/AC	PRE			
26A	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	3	100	93
26B	LINURON	4.00 L	1.00 LB/AC	PRE			
27A	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	7	100	97
27B	CHLORAMBEN	2.00 F	3.00 LB/AC	PRE			
28A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	20	93	87
28B	LINURON	4.00 L	.50 LB/AC	POD			
28C	WK (SURFACTANT)	.00 WA	.25 %	POD			

Table 35: Soybean—Eastern Black Nightshade—Pre- and Postemergence (continued)

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRIV	BLNS	9/15 BLNS
29A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	27	97	97
29B	LINURON	4.00 L	1.00 LB/AC	POD			
29C	WK (SURFACTANT)	.00 WA	.25 %	POD			
30A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	27	97	90
30B	LINURON	4.00 L	.50 LB/AC	POD			
30C	2,4-DB	2.00 E	.20 LB/AC	POD			
30D	WK (SURFACTANT)	.00 WA	.25 %	POD			
31A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	13	97	93
31B	LINURON	4.00 L	1.00 LB/AC	POD			
31C	2,4-DB	2.00 E	.20 LB/AC	POD			
31D	WK (SURFACTANT)	.00 WA	.25 %	POD			
32A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	20	90	87
32B	METRIBUZIN 1	4.00 F	.38 LB/AC	POD			
32C	2,4-DB	2.00 E	.20 LB/AC	POD			
32D	SURFACTANT (X-77)	.50 WA	.25 %	POD			
33A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	27	93	87
33B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD			
33C	2,4-DB	2.00 E	.20 LB/AC	POD			
33D	SURFACTANT (X-77)	.50 WA	.50 %	POD			
34A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	10	100	97
34B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP			
35A	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	0	100	87
35B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE			
36	FOE 2492	50.00 WP	1.50 LB/AC	PRE	3	73	43
37	FOE 2602	4.00 E	1.00 LB/AC	PRE	3	47	10
38	FOE 2602	4.00 E	1.50 LB/AC	PRE	0	57	17
39	PPG-844	2.00 E	.20 LB/AC	EP	27	100	87
40	PPG-844	2.00 E	.30 LB/AC	EP	27	100	93
41	BAS 506	53.60 WP	.84 LB/AC	EP	20	100	73
42	BAS 506	53.60 WP	1.17 LB/AC	EP	23	100	80
43A	BAS 506	53.60 WP	.84 LB/AC	EP	23	83	27
43B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			

Table 35: Soybean—Eastern Black Nightshade—Pre- and Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRIN	BLNS	9/15 BLNS
44A	BAS 506	53.60 WP	1.17 LB/AC	EP	37	100	67
44B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			
45A	BENTAZON	4.00 E	.75 LB/AC	EP	7	40	3
45B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP			
46A	BENTAZON	4.00 E	1.00 LB/AC	MP	3	10	3
46B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
47A	BENTAZON	4.00 E	.75 LB/AC	MP	0	3	0
47B	ACIFLUORFEN	2.00 E	.13 LB/AC	MP			
48A	BENTAZON	4.00 E	.75 LB/AC	MP	10	93	67
48B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP			
49	ACIFLUORFEN	2.00 E	.50 LB/AC	EP	30	100	90
50	ACIFLUORFEN	2.00 E	.50 LB/AC	MP	13	90	73
51	LINURON	50.00 WP	1.00 LB/AC	PRE	3	10	3
52A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	23	70	10
52B	SURFACTANT (X-77)	.50 WA	.50 %	MP			
52C	ACIFLUORFEN	2.00 E	.25 LB/AC	3DA			
53A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	37	90	17
53B	SURFACTANT (X-77)	.50 WA	.50 %	MP			
53C	MC 10978	2.00 S	.25 LB/AC	3DA			
53D	SURFACTANT (X-77)	.50 WA	.50 %	3DA			
54A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	23	10	0
54B	SURFACTANT (X-77)	.50 WA	.50 %	MP			
54C	BENTAZON	4.00 E	.38 LB/AC	3DA			
54D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	3DA			
55A	SETHOXYDIM	1.53 EC	.30 LB/AC	EP	30	100	90
55B	ACIFLUORFEN	2.00 E	.50 LB/AC	EP			
56	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0
				LSD(05):	12	14	12

Table 35: Soybean—Eastern Black Nightshade—Pre- and Postemergence (continued)

LOCATION: SPINDLETOP FARM SOIL TYPE: MARUY SILT LOAM
FERTILIZATION (LB/AC): 50 N, 60 P, 60 K PH: 6.2 O.M.: 3.8%
DATE PLANTED: MAY 12 DATE TREATED: PRE MAY 12
VARIETY: WILLIAMS EP JUNE 11
MP JUNE 21
POD JULY 9, A. NOTE PRE RATINGS WERE TAKEN 4 WEEKS AFTER APPLICATION.
EP, MP +30 AND POD RATINGS WERE TAKEN 10 DAYS AFTER APPLICATION.
EP 0-2", MP 2-4", POD 2-8".

Table 36: Soybean—Eastern Black Nightshade—PPI and Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRIN	BLNS	9/15 BLNS
1	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	93	90
2	ALACHLOR	4.00 E	3.00 LB/AC	PPI	0	100	93
3	ALACHLOR	4.00 E	4.00 LB/AC	PPI	0	97	90
4	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	0	97	90
5	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	0	93	80
6	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	3	100	93
7A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	7	97	90
7B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI			
8A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	0	57	10
8B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI			
9A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	7	80	23
9B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI			
9C	CHLORAMBEN	2.00 E	3.00 LB/AC	PPI			
10A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	7	77	23
10B	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI			
11A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	7	100	83
11B	ALACHLOR	4.00 E	2.50 LB/AC	PPI			
11C	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI			
12	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	3	70	20
13	ETHALFLURALIN	3.00 E	1.50 LB/AC	PPI	0	83	53
14A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	3	100	90
14B	LINURON	4.00 L	.75 LB/AC	PRE			
15A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	0	97	80
15B	ALACHLOR	4.00 E	2.00 LB/AC	PPI			
15C	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI			
16A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	0	93	87
16B	METOLACHLOR	8.00 E	2.00 LB/AC	PPI			
16C	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI			
17A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	13	93	90
17B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP			

Table 36: Soybean—Eastern Black Nightshade—PPI and Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRIV	BLNS	9/15 BLNS
18	FOE 2492	50.00 WP	2.00 LB/AC	PPI	0	67	30
19	FOE 2602	4.00 E	1.50 LB/AC	PPI	0	73	43
20	FOE 2602	4.00 E	2.00 LB/AC	PPI	0	90	53
21A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	23	80	53
21B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP			
22A	VERNOLATE	7.00 E	3.00 LB/AC	PPI	20	93	67
22B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP			
23A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	27	43	0
23B	BENTAZON	4.00 E	.75 LB/AC	MP			
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
24A	VERNOLATE	7.00 E	3.00 LB/AC	PPI	37	43	7
24B	BENTAZON	4.00 E	.75 LB/AC	MP			
24C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP			
			LSD(05):		12	16	22

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.2 O.M.: 3.8%
DATE PLANTED: MAY 12 DATE TREATED: PPI MAY 12
VARIETY: WILLIAMS MP JUNE 21
0

A. NOTE PPI RATINGS WERE TAKEN 4 WEEKS AFTER APPLICATION. MP RATINGS WERE TAKEN 10 DAYS AFTER APPLICATION. MP 2-4".

Table 37: Soybean—Large Crabgrass—Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LACG	---B LACG	---C LACG	---D LACG
1A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	92	####	90	88
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
2A	SETHOXYDIM	1.53 EC	.15 LB/AC	LP	92	####	90	80
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
3A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	68	####	68	65
3B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
4A	SETHOXYDIM	1.53 EC	.25 LB/AC	LP	88	####	90	88
4B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
5A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	95	####	92	92
5B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
6A	SETHOXYDIM	1.53 EC	.10 LB/AC	LLP	####	60	####	####
6B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
7A	SETHOXYDIM	1.53 EC	.15 LB/AC	LLP	####	40	####	####
7B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
8A	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP	####	25	####	####
8B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
9A	SETHOXYDIM	1.53 EC	.25 LB/AC	LLP	####	20	####	####
9B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
10A	SETHOXYDIM	1.53 EC	.30 LB/AC	LLP	####	30	####	####
10B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
11A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	65	####	55	42
11B	BENTAZON	4.00 E	.75 LB/AC	LP				
11C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
12A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	92	####	90	82
12B	BENTAZON	4.00 E	.75 LB/AC	LP				
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
13A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	80	####	78	65
13B	BENTAZON	4.00 E	.75 LB/AC	LP				
13C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
13D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
14A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	82	####	75	60
14B	BENTAZON	4.00 E	.75 LB/AC	LP				
14C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				

Table 37: Soybean—Large Crabgrass—Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LACG	---B LACG	---C LACG	---D LACG
15A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	88	####	78	75
15B	BENTAZON	4.00 E	.75 LB/AC	LP				
15C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
15D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
16A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	92	####	90	82
16B	BENTAZON	4.00 E	.50 LB/AC	LP				
16C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
17A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	95	####	85	78
17B	BENTAZON	4.00 E	.50 LB/AC	LP				
17C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
17D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
18A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	92	####	80	65
18B	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
18C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
19A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	90	####	85	82
19B	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
20A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	85	####	78	68
20B	BENTAZON	4.00 E	.50 LB/AC	LP				
20C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
20D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
21A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	98	####	92	85
21B	ACIFLUORFEN	2.00 E	.25 LB/AC	LP				
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
22A	CGA-82725	2.00 EC	.13 LB/AC	MP	82	####	78	82
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
23A	CGA-82725	2.00 EC	.25 LB/AC	MP	92	####	88	88
23B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
24A	CGA-82725	2.00 EC	.38 LB/AC	MP	98	####	95	92
24B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
25A	CGA-82725	2.00 EC	.13 LB/AC	LP	72	####	78	78
25B	BENTAZON	4.00 E	.75 LB/AC	LP				
25C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
26A	CGA-82725	2.00 EC	.25 LB/AC	LP	78	####	80	78
26B	BENTAZON	4.00 E	.75 LB/AC	LP				
26C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				

Table 37: Soybean—Large Crabgrass—Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LAGG	---B LAGG	---C LAGG	---D LAGG
27A	CGA-82725	2.00 EC	.38 LB/AC	LP	95	####	95	92
27B	BENTAZON	4.00 E	.75 LB/AC	LP				
27C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
28A	DOWCO 453	2.00 E	.03 LB/AC	MP	65	####	65	72
28B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP				
29A	DOWCO 453	2.00 E	.06 LB/AC	MP	95	####	92	88
29B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP				
30A	DOWCO 453	2.00 E	.13 LB/AC	MP	100	####	98	92
30B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP				
31A	DOWCO 453	2.00 E	.19 LB/AC	MP	100	####	92	90
31B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP				
32A	DOWCO 453	2.00 E	.25 LB/AC	MP	100	####	100	95
32B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP				
33A	DOWCO 453	2.00 E	.03 LB/AC	LP	42	####	42	38
33B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP				
34A	DOWCO 453	2.00 E	.06 LB/AC	LP	95	####	90	88
34B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP				
35A	DOWCO 453	2.00 E	.13 LB/AC	LP	95	####	90	85
35B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP				
36A	DOWCO 453	2.00 E	.19 LB/AC	LP	92	####	90	85
36B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP				
37A	DOWCO 453	2.00 E	.25 LB/AC	LP	95	####	92	90
37B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP				
38A	DOWCO 453	2.00 E	.25 LB/AC	4TR	100	####	98	88
38B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	4TR				
39A	DOWCO 453	2.00 E	.25 LB/AC	R1	98	####	90	92
39B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	R1				
40	HOE 581	1.00 EC	.10 LB/AC	SLF	98	####	92	85
41	HOE 581	1.00 EC	.15 LB/AC	SLF	98	####	98	98
42	HOE 581	1.00 EC	.20 LB/AC	SLF	100	####	95	92
43	HOE 581	1.00 EC	.10 LB/AC	7LF	95	####	92	90

Table 37: Soybean—Large Crabgrass—Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---A LAGS	---B LAGS	---C LAGS	---D LAGS
44	HOE 581	1.00 EC	.15	LB/AC	7LF	95	####	92	88
45	HOE 581	1.00 EC	.20	LB/AC	7LF	100	####	100	95
46A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LP	79	####	80	72
46B	SURFACTANT (X-77)	.50 WA	1.00	%	LP				
47A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LLP	####	30	####	####
47B	SURFACTANT (X-77)	.50 WA	1.00	%	LLP				
48A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LP	90	####	88	82
48B	OIL CONCENTRATE	.00 AD	.25	QT/AC	LP				
49A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LP	90	####	85	80
49B	OIL CONCENTRATE	.00 AD	.50	QT/AC	LP				
50A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LP	95	####	85	72
50B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LP				
51A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LLP	####	17	0	####
51B	OIL CONCENTRATE	.00 AD	.25	QT/AC	LLP				
52A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LLP	####	38	####	####
52B	OIL CONCENTRATE	.00 AD	.50	QT/AC	LLP				
53A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	LLP	####	32	####	####
53B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	LLP				
54	DICLOFOP METHYL	3.00 E	1.00	LB/AC	EP	52	####	55	50
55A	DICLOFOP METHYL	3.00 E	1.00	LB/AC	EP	70	####	65	72
55B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	EP				
56	CHECK (CULTIVATED)	.00 CK	.00			0	0	0	0
					LSD(05):	18	17	29	15

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: JULY 3 DATE TREATED: JULY 30 EP
VARIETY: WILLIAMS AUGUST 2 4TR
AUGUST 6 5LF
AUGUST 9 7LF & R1, AUGUST 12 MP, AUGUST 17 LP, SEPTEMBER 7 LLP.
A 2 WEEKS AFTER APPLICATION. B 3 WEEKS AFTER APPLICATION.
C 4 WEEKS AFTER APPLICATION. D 8 WEEKS AFTER APPLICATION.
NOTE #### REPRESENTS UNAVAILABLE DATA.

Table 38: Soybean—Yellow Nutsedge

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/27 -- YENS	CRIN	--6/2 11 - YENS	CRIN	YLD
1	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	88	0	75	0	28
2	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	89	0	88	0	31
3	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	90	0	88	0	27
4	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	25	0	38	0	32
5	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	50	0	60	0	33
6	METOLACHLOR	8.00 E	4.00 LB/AC	PRE	65	0	68	0	33
7	ALACHLOR	4.00 E	3.00 LB/AC	PRE	42	0	15	0	31
8	ALACHLOR	4.00 E	4.00 LB/AC	PRE	52	0	35	0	31
9	ALACHLOR	4.00 E	3.00 LB/AC	PPI	95	0	68	0	35
10	ALACHLOR	4.00 E	4.00 LB/AC	PPI	90	0	82	0	30
11A	BENTAZON	4.00 E	1.00 LB/AC	EP	45	0	60	0	28
11B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP					
12	MBR 22359	2.00 E	1.50 LB/AC	PRE	52	0	68	0	32
13	MBR 22359	2.00 E	2.00 LB/AC	PRE	55	0	68	0	30
14	MBR 22359	2.00 E	2.50 LB/AC	PRE	60	0	75	0	33
15	MBR 22359	2.00 E	3.00 LB/AC	PRE	72	0	88	0	33
16	MBR 23709	2.00 S	1.50 LB/AC	PRE	50	0	50	0	30
17	MBR 23709	2.00 S	2.00 LB/AC	PRE	58	0	72	0	35
18	MBR 23709	2.00 S	2.50 LB/AC	PRE	62	0	75	0	38
19	MBR 23709	2.00 S	3.00 LB/AC	PRE	55	0	82	0	36
20	FOE 2602	4.00 E	1.50 LB/AC	PPI	82	0	72	0	30
21	FOE 2602	4.00 E	2.00 LB/AC	PPI	82	8	68	2	32
22	FOE 2602	4.00 E	2.50 LB/AC	PPI	75	5	65	5	31
23	FOE 2602	4.00 E	1.00 LB/AC	PRE	60	0	42	0	28

Table 38: Soybean—Yellow Nutsedge (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/27 -- YEVS	CRIN	--6/2 11 - YENS	CRIN	YLD
24	FOE 2602	4.00 E	1.50 LB/AC	PRE	42	0	25	0	29
25	FOE 2602	4.00 E	2.00 LB/AC	PRE	72	0	55	2	27
26	FOE 2492	50.00 WP	1.50 LB/AC	PPI	40	0	0	0	28
27	FOE 2492	50.00 WP	2.00 LB/AC	PPI	45	5	18	2	29
28	FOE 2492	50.00 WP	2.50 LB/AC	PPI	58	0	18	5	24
29	FOE 2492	50.00 WP	1.00 LB/AC	PRE	18	0	10	0	30
30	FOE 2492	50.00 WP	1.50 LB/AC	PRE	12	0	0	0	29
31	FOE 2492	50.00 WP	2.00 LB/AC	PRE	30	0	10	0	31
32A	FOE 2602	4.00 E	1.00 LB/AC	PRE	48	0	42	0	29
32B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE					
33A	FOE 2602	4.00 E	1.50 LB/AC	PRE	35	0	30	0	31
33B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE					
34A	FOE 2602	4.00 E	1.50 LB/AC	PPI	80	0	70	2	27
34B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
35A	FOE 2602	4.00 E	2.00 LB/AC	PPI	80	0	70	5	27
35B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
36A	FOE 2492	50.00 WP	1.50 LB/AC	PRE	38	0	30	0	32
36B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE					
37A	FOE 2492	50.00 WP	1.50 LB/AC	PPI	65	0	32	0	32
37B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
38	VERNOLATE	7.00 E	3.00 LB/AC	PPI	92	18	80	12	27
39A	VERNOLATE PKG MIX	6.00 EC	3.00 LB/AC	PPI	90	12	75	5	28
39B	WITH R-33865	1.00	.50	PPI					
40A	VERNOLATE	7.00 E	3.00 LB/AC	PPI	88	38	78	45	19
40B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
41A	VERNOLATE PKG MIX	6.00 EC	3.00 LB/AC	PPI	92	50	72	45	22
41B	WITH R-33865	1.00	.50	PPI					
41C	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
42	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0	34
				LSD(05):	28	10	21	8	

Table 38: Soybean—Yellow Nutsedge (continued)

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.4 O.M.: 2.3%
DATE PLANTED: MAY 5 DATE TREATED: MAY 6 PREEMERGENCE
VARIETY: WILLIAMS MAY 6 PREPLANT
MAY 24 EP

EP 2LF.

Table 39: Soybean Preemergence and Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	7/2 ECPA	7/2 COLQ	7/2 CRIN	7/30 COLQ	7/30 PESN	7/30 ECPA
1A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	97	0	100	100	100
1B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
2A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	97	97	3	100	100	100
2B	LINURON	4.00 L	.75 LB/AC	PRE						
3A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	93	0	100	100	100
3B	METRIBUZIN	75.00 DF	.38 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	2.00 LB/AC	PRE	97	97	7	100	100	100
4B	LINURON	4.00 L	.75 LB/AC	PRE						
4C	BENTAZON	4.00 E	.75 LB/AC	EP						
4D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
5A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	100	0	100	100	100
5B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
5C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP						
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	100	0	100	100	100
6B	LINURON	4.00 L	.75 LB/AC	PRE						
6C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP						
7A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	93	0	100	97	100
7B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
7C	NAMPA/DN	3.00 E	1.50 LB/AC	EP						
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	100	0	100	93	100
8B	LINURON	4.00 L	.75 LB/AC	PRE						
8C	NAMPA/DN	3.00 E	1.50 LB/AC	EP						
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	97	100	0	100	100	100
9B	BENTAZON	4.00 E	.75 LB/AC	EP						
9C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	97	0	93	93	100
10B	ACIFLUORFEN	2.00 E	.38 LB/AC	EP						
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	73	0	40	7	90
11B	NAMPA/DN	3.00 E	1.50 LB/AC	EP						
12A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	97	100	3	100	90	100
12B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
13A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	100	97	0	93	100	100
13B	LINURON	4.00 L	.75 LB/AC	PRE						

Table 39: Soybean Preemergence and Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	7/2 EAPA	7/2 COLQ	7/2 CRIN	7/30 COLQ	7/30 PESW	7/30 EAPA
14A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	100	100	3	100	100	100
14B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
14C	BENTAZON	4.00 E	.75 LB/AC	EP						
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
15A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	100	97	0	100	100	100
15B	LINURON	4.00 L	.75 LB/AC	PRE						
15C	BENTAZON	4.00 E	.75 LB/AC	EP						
15D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
16A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	93	93	3	90	97	97
16B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
16C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP						
17A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	100	93	0	100	100	100
17B	LINURON	4.00 L	.75 LB/AC	PRE						
17C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP						
18A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	100	93	0	100	100	100
18B	METRIBUZIN	75.00 DF	.38 LB/AC	PRE						
18C	NAPPA/DN	3.00 E	1.50 LB/AC	EP						
19A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	97	97	10	100	97	100
19B	LINURON	4.00 L	.75 LB/AC	PRE						
19C	NAPPA/DN	3.00 E	1.50 LB/AC	EP						
20A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	90	0	87	97	97
20B	BENTAZON	4.00 E	75.00 LB/AC	EP						
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	83	0	93	87	100
21B	ACIFLUORFEN	2.00 E	.38 LB/AC	EP						
22A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	97	87	3	87	93	100
22B	NAPPA/DN	3.00 E	1.50 LB/AC	EP						
23A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	67	0	0	20	27	50
23B	BENTAZON	4.00 E	.75 LB/AC	EP						
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP						
24A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	100	0	0	30	30	77
24B	BENTAZON	4.00 E	1.00 LB/AC	MP						
24C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP						
25	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100
26	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	33
				LSD(05):	20	11	NS	29	24	25

Table 39: Soybean Preemergence and Postemergence (continued)

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 48 N, 48 P, 48 K PH: 6.8 O.M.: 1.9%
DATE PLANTED: JUNE 2 DATE TREATED: JUNE 2 PRE
VARIETY: WILLIAMS JULY 7 EP
JULY 9 MP

EP 0-2", MP 2-4" WEEDS.

Table 40: Soybean No-Tillage in Wheat Stubble

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	AUG 9 GRAS	AUG 9 BRLE	AUG 9 PESW	AUG 9 LACG
1A	PARAQUAT	2.00 E	.25	LB/AC	PRE	90	90	87	97
1B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
1C	ALACHLOR	4.00 E	2.50	LB/AC	PRE				
1D	LINURON	4.00 L	1.00	LB/AC	PRE				
2A	PARAQUAT	2.00 E	.25	LB/AC	PRE	93	93	97	93
2B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
2C	ALACHLOR	4.00 E	2.50	LB/AC	PRE				
2D	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
3A	PARAQUAT	2.00 E	.25	LB/AC	PRE	77	97	100	90
3B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
3C	ALACHLOR	4.00 E	2.50	LB/AC	PRE				
3D	RH-8817	2.00 E	.75	LB/AC	PRE				
4A	PARAQUAT	2.00 E	.25	LB/AC	PRE	73	93	93	70
4B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
4C	ALACHLOR	4.00 E	2.50	LB/AC	PRE				
4D	RH-8917	2.00 E	1.00	LB/AC	PRE				
5A	PARAQUAT	2.00 E	.25	LB/AC	PRE	97	90	87	100
5B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
5C	ALACHLOR	4.00 E	2.50	LB/AC	PRE				
5D	OXYFLUORFEN	2.00 E	.50	LB/AC	PRE				
6A	PARAQUAT	2.00 E	.25	LB/AC	PRE	83	100	100	90
6B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
6C	METOLACHLOR	8.00 E	2.50	LB/AC	PRE				
6D	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
7A	PARAQUAT	2.00 E	.25	LB/AC	PRE	93	87	90	97
7B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
7C	METOLACHLOR	8.00 E	2.50	LB/AC	PRE				
7D	LINURON	4.00 L	1.00	LB/AC	PRE				
8A	PARAQUAT	2.00 E	.25	LB/AC	PRE	80	87	83	80
8B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
8C	ORYZALIN	4.00 AS	1.00	LB/AC	PRE				
8D	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
9A	PARAQUAT	2.00 E	.25	LB/AC	PRE	93	93	100	100
9B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
9C	S-734	75.00 WP	.75	LB/AC	PRE				
9D	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
10A	PARAQUAT	2.00 E	.25	LB/AC	PRE	70	90	83	67
10B	SURFACTANT (X-77)	.50 WA	.25	%	PRE				
10C	S-734	75.00 WP	1.00	LB/AC	PRE				
10D	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				

Table 40: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUG 9 GRAS	AUG 9 BRLE	AUG 9 PESW	AUG 9 LACG
11A	PARAQUAT	2.00 E	.25 LB/AC	PRE	67	83	87	63
11B	SURFACTANT (X-77)	.50 WA	.25 %	PRE				
11C	CP 55097	8.00 EC	2.00 LB/AC	PRE				
11D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
12A	PARAQUAT	2.00 E	.25 LB/AC	PRE	50	77	93	67
12B	SURFACTANT (X-77)	.50 WA	.25 %	PRE				
12C	CP 55097	8.00 EC	2.50 LB/AC	PRE				
12D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
13A	PARAQUAT	2.00 E	.25 LB/AC	PRE	80	100	100	63
13B	SURFACTANT (X-77)	.50 WA	.25 %	PRE				
13C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE				
14A	PARAQUAT	2.00 E	.25 LB/AC	PRE	27	53	67	23
14B	SURFACTANT (X-77)	.50 WA	.25 %	PRE				
14C	OPYZALIN	4.00 AS	1.00 LB/AC	PRE				
15A	PARAQUAT	2.00 E	.25 LB/AC	PRE	97	100	100	97
15B	SURFACTANT (X-77)	.50 WA	.25 %	PRE				
15C	PPG-844	2.00 E	.50 LB/AC	PRE				
15D	LINURON	4.00 L	1.00 LB/AC	PRE				
16A	PARAQUAT	2.00 E	.25 LB/AC	PRE	87	100	100	93
16B	SURFACTANT (X-77)	.50 WA	.25 %	PRE				
16C	PPG-844	2.00 E	.50 LB/AC	PRE				
16D	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
17A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	93	100	100	100
17B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
17C	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE				
18A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	97	97	100	100
18B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
18C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE				
19A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	93	100	100	97
19B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
19C	OXYFLUORFEN	2.00 E	.50 LB/AC	PRE				
20A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	87	93	100	90
20B	CP 55097	8.00 EC	2.00 LB/AC	PRE				
20C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
21A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	97	87	100	97
21B	CP 55097	8.00 EC	2.50 LB/AC	PRE				
21C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				

Table 40: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUG 9 GRAS	AUG 9 BRLE	AUG 9 PESW	AUG 9 LACG
22A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	100	97	100	100
22B	CP 55097	8.00 EC	2.50 LB/AC	PRE				
22C	LINURON	4.00 L	1.00 LB/AC	PRE				
23A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	93	100	100	97
23B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE				
23C	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE				
24A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	87	100	100	100
24B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE				
24C	LINURON	4.00 L	1.00 LB/AC	PRE				
25A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	90	100	100	97
25B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PRE				
26A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	97	100	100	97
26B	LINURON	4.00 L	1.00 LB/AC	PRE				
27A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	93	97	100	100
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE				
28A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	100	100	100	100
28B	DPX A5967	75.00 WP	.13 LB/AC	PRE				
29A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	97	97	100	100
29B	DPX A5967	75.00 WP	.25 LB/AC	PRE				
30A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	93	100	100	97
30B	DPX A5969	75.00 WP	.13 LB/AC	PRE				
31A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	80	97	97	90
31B	DPX A5969	75.00 WP	.25 LB/AC	PRE				
32A	HOE 561	1.67 E	.50 LB/AC	PRE	70	97	100	73
32B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
32C	METRIBUZIN	75.00 DF	.25 LB/AC	PRE				
33A	HOE 561	1.67 E	.75 LB/AC	PRE	87	97	100	100
33B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
33C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
34A	HOE 561	1.67 E	.50 LB/AC	PRE	87	100	100	87
34B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE				
34C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				
35A	HOE 561	1.67 E	.75 LB/AC	PRE	100	93	100	100
35B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE				
35C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE				

Table 40: Soybean No-Tillage in Wheat Stubble (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUG 9 GRAS	AUG 9 BRLE	AUG 9 PESW	AUG 9 LACG
36A	SC 0224	4.00 LC	1.50 LB/AC	PRE	87	83	100	97
36B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
37A	SC 0224	4.00 LC	2.00 LB/AC	PRE	90	93	100	93
37B	ALACHLOR	4.00 E	2.50 LB/AC	PRE				
38A	SC 0224	4.00 LC	1.50 LB/AC	PRE	90	97	97	93
38B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE				
39A	SC 0224	4.00 LC	2.00 LB/AC	PRE	50	100	100	50
39B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE				
40A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	93	73	70	93
40B	BENTAZON	4.00 E	.75 LB/AC	MP				
40C	2,4-DB	2.00 E	.03 LB/AC	MP				
40D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
			LSD(05):		26	19	NS	29

LOCATION: PRINCETON
SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 44 N, 48 P, 48 K
PH: 6.8 O.M.: 1.9%
DATE PLANTED: JUNE 22
DATE TREATED: JUNE 23 PRE
VARIETY: ESSEX
AUG 4 MP

Table 41: Soybean Tolerance to Postemergence Herbicides— Conventional Tillage

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRTN	--B CRTN	--C CRTN
1A	BENTAZON	4.00 E	1.00 LB/AC	VC	0	0	0
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	VC			
2A	BENTAZON	4.00 E	1.00 LB/AC	V2	0	17	0
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	V2			
3A	BENTAZON	4.00 E	1.00 LB/AC	V5	0	0	0
3B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	V5			
4A	BENTAZON	4.00 E	1.00 LB/AC	R1	0	0	0
4B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	R1			
5A	BENTAZON	4.00 E	1.00 LB/AC	R2	0	0	3
5B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	R2			
6A	BENTAZON	4.00 E	1.00 LB/AC	R3	0	0	0
6B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	R3			
7	ACIFLUORFEN	2.00 E	.50 LB/AC	VC	10	7	0
8	ACIFLUORFEN	2.00 E	.50 LB/AC	V2	0	23	0
9	ACIFLUORFEN	2.00 E	.50 LB/AC	V5	0	0	3
10	ACIFLUORFEN	2.00 E	.50 LB/AC	R1	0	0	10
11	ACIFLUORFEN	2.00 E	.50 LB/AC	R2	0	0	10
12	ACIFLUORFEN	2.00 E	.50 LB/AC	R3	0	0	0
13	NAMPA/DN	3.00 E	3.00 LB/AC	VC	13	7	17
14	NAMPA/DN	3.00 E	3.00 LB/AC	V2	0	23	0
15	NAMPA/DN	3.00 E	3.00 LB/AC	V5	0	0	7
16	NAMPA/DN	3.00 E	3.00 LB/AC	R1	0	0	0
17	NAMPA/DN	3.00 E	3.00 LB/AC	R2	0	0	20
18	NAMPA/DN	3.00 E	3.00 LB/AC	R3	0	0	0
19A	BENTAZON	4.00 E	1.00 LB/AC	VC	23	43	3
19B	2,4-DB	2.00 E	.06 LB/AC	VC			
20A	BENTAZON	4.00 E	1.00 LB/AC	V2	0	20	0
20B	2,4-DB	2.00 E	.06 LB/AC	V2			

Table 41: Soybean Tolerance to Postemergence Herbicides— Conventional Tillage (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRIN	--B CRIN	--C CRIN
21A	BENTAZON	4.00 E	1.00 LB/AC	V5	0	0	37
21B	2,4-DB	2.00 E	.06 LB/AC	V5			
22A	BENTAZON	4.00 E	1.00 LB/AC	R1	0	0	0
22B	2,4-DB	2.00 E	.06 LB/AC	R1			
23A	BENTAZON	4.00 E	1.00 LB/AC	R2	0	0	0
23B	2,4-DB	2.00 E	.06 LB/AC	R2			
24A	BENTAZON	4.00 E	1.00 LB/AC	R3	0	0	0
24B	2,4-DB	2.00 E	.06 LB/AC	R3			
25A	ACIFLUORFEN	2.00 E	.50 LB/AC	VC	33	37	10
25B	2,4-DB	2.00 E	.06 LB/AC	VC			
26A	ACIFLUORFEN	2.00 E	.50 LB/AC	V2	0	30	0
26B	2,4-DB	2.00 E	.06 LB/AC	V2			
27A	ACIFLUORFEN	2.00 E	.50 LB/AC	V5	0	0	10
27B	2,4-DB	2.00 E	.06 LB/AC	V5			
28A	ACIFLUORFEN	2.00 E	.50 LB/AC	R1	0	0	10
28B	2,4-DB	2.00 E	.06 LB/AC	R1			
29A	ACIFLUORFEN	2.00 E	.50 LB/AC	R2	0	0	10
29B	2,4-DB	2.00 E	.06 LB/AC	R2			
30A	ACIFLUORFEN	2.00 E	.50 LB/AC	R3	0	0	0
30B	2,4-DB	2.00 E	.06 LB/AC	R3			
31A	NAMPA/DN	3.00 E	3.00 LB/AC	VC	47	80	47
31B	2,4-DB	2.00 E	.06 LB/AC	VC			
32A	NAMPA/DN	3.00 E	3.00 LB/AC	V2	0	43	17
32B	2,4-DB	2.00 E	.06 LB/AC	V2			
33A	NAMPA/DN	3.00 E	3.00 LB/AC	V5	0	0	3
33B	2,4-DB	2.00 E	.06 LB/AC	V5			
34A	NAMPA/DN	3.00 E	3.00 LB/AC	R1	0	0	3
34B	2,4-DB	2.00 E	.06 LB/AC	R1			
35A	NAMPA/DN	3.00 E	3.00 LB/AC	R2	0	0	20
35B	2,4-DB	2.00 E	.06 LB/AC	R2			
36A	NAMPA/DN	3.00 E	3.00 LB/AC	R3	0	0	0
36B	2,4-DB	2.00 E	.06 LB/AC	R3			

Table 41: Soybean Tolerance to Postemergence Herbicides— Conventional Tillage (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRIN	--B CRIN	--C CRIN
37	CHECK (CULTIVATED)	.00 CK	.00		0	0	0
				LSD(05):	3	11	8

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 49 P, 48 K PH: 7.3 O.M.: 2.3%
DATE PLANTED: JUNE 9 DATE TREATED: 1
VARIETY: WILLIAMS
A JUNE 20, B JULY 1, C JULY 15

Table 42: Soybean—Johnsongrass—PPI and Preemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/28 -- JOGR	CRIN	---8/13 -- JOGR	CRIN
1	FOE 2602	4.00 E	1.50	LB/AC PPI	90	8	78	0
2	FOE 2602	4.00 E	2.00	LB/AC PPI	95	0	88	0
3	FOE 2492	50.00 WP	1.50	LB/AC PRE	68	5	12	0
4	FOE 2602	4.00 E	1.00	LB/AC PRE	82	5	78	0
5	FOE 2602	4.00 E	1.50	LB/AC PRE	90	10	80	0
6	FOE 2492	50.00 WP	2.00	LB/AC PPI	52	5	28	0
7	MBR 22359	2.00 E	1.50	LB/AC PRE	98	2	100	0
8	MBR 22359	2.00 E	2.00	LB/AC PRE	100	5	100	0
9	MBR 22359	2.00 E	2.50	LB/AC PRE	100	5	100	0
10	MBR 22359	2.00 E	3.00	LB/AC PRE	100	12	100	0
11	MBR 23709	2.00 S	1.50	LB/AC PRE	90	0	90	0
12	MBR 23709	2.00 S	2.00	LB/AC PRE	92	5	90	0
13	MBR 23709	2.00 S	2.50	LB/AC PRE	95	5	90	0
14	MBR 23709	2.00 S	3.00	LB/AC PRE	95	8	95	0
15	CHECK (CULTIVATED)	.00 CK	.00		100	0	52	0
				LSD(05):	16	7	21	NS

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 48 N, 48 P, 48 K PH: 6.0 O.M.: 1.7%
DATE PLANTED: MAY 11 DATE TREATED: MAY 11 PREEMERGENCE
VARIETY: WILLIAMS MAY 11 PREPLANT INC.

Table 43: Soybean—Johnsongrass—Postemergence

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/28 -- JOGR	CRIN	---6 /13 - JOGR	CRIN
1A	TRIFLURALIN	4.00 E	.75	LB/AC PPI	50	3	87	0
1B	SETHOXYDIM	1.53 EC	.20	LB/AC LP				
1C	BENTAZON	4.00 E	1.00	LB/AC LP				
1D	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
2A	TRIFLURALIN	4.00 E	.75	LB/AC PPI	53	0	87	0
2B	SETHOXYDIM	1.53 EC	.30	LB/AC LP				
2C	BENTAZON	4.00 E	1.00	LB/AC LP				
2D	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
3A	FLUCHLORALIN	4.00 E	.75	LB/AC PPI	53	3	57	0
3B	SETHOXYDIM	1.53 EC	.20	LB/AC LP				
3C	BENTAZON	4.00 E	1.00	LB/AC LP				
3D	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
4A	SETHOXYDIM	1.53 EC	.20	LB/AC LP	0	0	73	0
4B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
5A	SETHOXYDIM	1.53 EC	.30	LB/AC LP	13	0	70	0
5B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
6A	SETHOXYDIM	1.53 EC	.40	LB/AC LP	7	0	87	0
6B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
7A	SETHOXYDIM	1.53 EC	.50	LB/AC LP	10	3	77	0
7B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
8A	SETHOXYDIM	1.53 EC	.20	LB/AC LP	0	0	100	0
8B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
8C	SETHOXYDIM	1.53 EC	.20	LB/AC +4W				
8D	OIL CONCENTRATE	.00 AD	1.00	QT/AC +4W				
9A	SETHOXYDIM	1.53 EC	.20	LB/AC LP	7	0	90	0
9B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
9C	SETHOXYDIM	1.53 EC	.10	LB/AC +4W				
9D	OIL CONCENTRATE	.00 AD	1.00	QT/AC +4W				
10A	SETHOXYDIM	1.53 EC	.30	LB/AC LP	10	0	97	0
10B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
10C	SETHOXYDIM	1.53 EC	.20	LB/AC +4W				
10D	OIL CONCENTRATE	.00 AD	1.00	QT/AC +4W				
11A	SETHOXYDIM	1.53 EC	.30	LB/AC LP	0	0	77	0
11B	OIL CONCENTRATE	.00 AD	1.00	QT/AC LP				
11C	SETHOXYDIM	1.53 EC	.10	LB/AC +4W				
11D	OIL CONCENTRATE	.00 AD	1.00	QT/AC +4W				

Table 43: Soybean—Johnsongrass—Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/28 -- JOGR	CRIN	---8 /13 - JOGR	CRIN
12A	SETHOXYDIM	1.53 EC	.40 LB/AC	LP	7	0	97	0
12B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP*				
12C	SETHOXYDIM	1.53 EC	.20 LB/AC	+4W				
12D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
13	HOE 581	1.00 EC	.15 LB/AC	5LF	83	0	87	0
14	HOE 581	1.00 EC	.20 LB/AC	5LF	97	0	93	0
15	HOE 581	1.00 EC	.15 LB/AC	9LF	97	0	93	0
16	HOE 581	1.00 EC	.20 LB/AC	9LF	97	3	97	0
17A	CGA-82725	2.00 EC	.25 LB/AC	MP	100	0	97	0
17B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
18A	CGA-82725	2.00 EC	.38 LB/AC	MP	100	0	97	0
18B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
19A	CGA-82725	2.00 EC	.50 LB/AC	MP	100	0	100	0
19B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
20A	CGA-82725	2.00 EC	.25 LB/AC	MP	100	3	97	0
20B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
20C	CGA-82725	2.00 EC	.25 LB/AC	+4W				
20D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
21A	CGA-82725	2.00 EC	.38 LB/AC	MP	70	3	100	0
21B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
21C	CGA-82725	2.00 EC	.25 LB/AC	+4W				
21D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
22A	CGA-82725	2.00 EC	.50 LB/AC	MP	100	0	100	0
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
22C	CGA-82725	2.00 EC	.25 LB/AC	+4W				
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
23A	CGA-82725	2.00 EC	.75 LB/AC	MP	100	3	100	0
23B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
23C	CGA-82725	2.00 EC	.25 LB/AC	+4W				
23D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	+4W				
24A	DOWCO 453	2.00 E	.06 LB/AC	MP	90	10	77	0
24B	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP				
25A	DOWCO 453	2.00 E	.13 LB/AC	MP	97	0	100	0
25B	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP				

Table 43: Soybean—Johnsongrass—Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---6/28 -- JOHN	CRIN	---8 /13 - JOHN	CRIN
26A	DOWCO 453	2.00 E	.25	LB/AC	MP	100	0	100	0
26B	OIL CON. (ATPLUS)	.00 AD	1.00	QT/AC	MP				
27A	DOWCO 453	2.00 E	.38	LB/AC	MP	100	0	100	0
27B	OIL CON. (ATPLUS)	.00 AD	1.00	QT/AC	MP				
28A	DOWCO 453	2.00 E	.06	LB/AC	BT	0	0	80	0
28B	OIL CON. (ATPLUS)	.00 AD	1.00	QT/AC	BT				
29A	DOWCO 453	2.00 E	.13	LB/AC	BT	0	0	73	0
29B	OIL CON. (ATPLUS)	.00 AD	1.00	QT/AC	BT				
30A	DOWCO 453	2.00 E	.25	LB/AC	BT	3	0	97	0
30B	OIL CON. (ATPLUS)	.00 AD	1.00	QT/AC	BT				
31A	DOWCO 453	2.00 E	.38	LB/AC	BT	0	3	100	0
31B	OIL CON. (ATPLUS)	.00 AD	1.00	QT/AC	BT				
32A	MEFLUIDIDE	2.00 S	.25	LB/AC	MP	33	20	63	0
32B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
32C	MEFLUIDIDE	2.00 S	.25	LB/AC	+3W				
32D	SURFACTANT (X-77)	.50 WA	.50	%	+3W				
33A	MEFLUIDIDE	2.00 S	.20	LB/AC	MP	27	10	80	0
33B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
33C	MEFLUIDIDE	2.00 S	.20	LB/AC	+3W				
33D	SURFACTANT (X-77)	.50 WA	.50	%	+3W				
34A	MEFLUIDIDE	2.00 S	.20	LB/AC	MP	23	33	0	0
34B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
34C	ACIFLUORFEN	2.00 E	.38	LB/AC	+3D				
35A	MEFLUIDIDE	2.00 S	.20	LB/AC	MP	27	40	73	0
35B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
35C	ACIFLUORFEN	2.00 E	.38	LB/AC	+3D				
35D	MEFLUIDIDE	2.00 S	.20	LB/AC	+3W				
35E	SURFACTANT (X-77)	.50 WA	.50	%	+3W				
36A	MEFLUIDIDE	2.00 S	.25	LB/AC	MP	17	7	57	0
36B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
36C	BENTAZON	4.00 E	.75	LB/AC	MP				
36D	MEFLUIDIDE	2.00 S	.25	LB/AC	+3W				
36E	SURFACTANT (X-77)	.50 WA	.50	%	+3W				
37A	SC 1058	.00	.25		MP	97	0	87	0
37B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				

Table 43: Soybean—Johnsongrass—Postemergence (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	---6/28 -- JOGR	CRIN	---8 /13 - JOGR	CRIN
38A	SC 1058	.00	.50		MP	100	0	97	0
38B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
39A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	MP	100	0	90	0
39B	BENTAZON	4.00 E	.75	LB/AC	MP				
39C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
40A	FLUAZIFOP BUTYL	4.00 E	.20	LB/AC	MP	93	0	97	0
40B	BENTAZON	4.00 E	.75	LB/AC	MP				
40C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
41A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	EP	97	0	93	0
41B	BENTAZON	4.00 E	.75	LB/AC	MP				
41C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
42A	FLUAZIFOP BUTYL	4.00 E	.20	LB/AC	EP	97	0	97	0
42B	BENTAZON	4.00 E	.75	LB/AC	MP				
42C	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
43A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	MP	27	17	20	0
43B	ACIFLUORFEN	2.00 E	.50	LB/AC	MP				
44A	FLUAZIFOP BUTYL	4.00 E	.20	LB/AC	MP	60	10	63	0
44B	ACIFLUORFEN	2.00 E	.50	LB/AC	MP				
45A	FLUAZIFOP BUTYL	4.00 E	.10	LB/AC	EP	20	10	0	0
45B	ACIFLUORFEN	2.00 E	.50	LB/AC	MP				
46A	FLUAZIFOP BUTYL	4.00 E	.20	LB/AC	EP	14	3	0	0
46B	ACIFLUORFEN	2.00 E	.50	LB/AC	MP				
47	CHECK (CULTIVATED)	.00 CK	.00			100	0	100	0
					LSD(05):	29	9	28	NS

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 48 P, 48 K PH: 6.3 O.M.: 1.8%
DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PPI
VARIETY: WILLLIAMS JUNE 2 EP
JUNE 2 SLF

JUNE 11 9LF 8MP, JUNE 24 LP
JULY 6 3WK, JULY 15 4WK
JUNE 24 BT. EP 2", MP 4", LP 6+", 5LF, 9LF JOHNSONGRASS, BT =BOOT
3WK & 4WK IS WEEKS AFTER 1ST APPLICATION WAS MADE.

Table 44: Soybean—Cocklebur

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/3 -- COCB	CRIN	---6/30 -- COCB	CRIN
1A	BENTAZON	4.00 E	.75 LB/AC	EP	80	10	80	0
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP				
2A	BENTAZON	4.00 E	1.00 LB/AC	MP	95	15	85	0
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
3	ACIFLUORFEN	2.00 E	.38 LB/AC	EP	92	10	85	2
4	ACIFLUORFEN	2.00 E	.50 LB/AC	MP	70	25	55	0
5A	ACIFLUORFEN	2.00 E	.38 LB/AC	EP	100	28	90	8
5B	BENTAZON	4.00 E	.75 LB/AC	EP				
6A	ACIFLUORFEN	2.00 E	.50 LB/AC	EP	95	25	90	0
6B	BENTAZON	4.00 E	.75 LB/AC	EP				
7A	ACIFLUORFEN	2.00 E	.38 LB/AC	EP	95	52	90	5
7B	2,4-DB	2.00 E	.03 LB/AC	EP				
8A	ACIFLUORFEN	2.00 E	.50 LB/AC	EP	100	48	92	10
8B	2,4-DB	2.00 E	.03 LB/AC	EP				
9A	ACIFLUORFEN	2.00 E	.50 LB/AC	EP	90	55	95	12
9B	2,4-DB	2.00 E	.03 LB/AC	EP				
10A	BENTAZON	4.00 E	.50 LB/AC	EP	90	32	80	2
10B	2,4-DB	2.00 E	.03 LB/AC	EP				
11A	BENTAZON	4.00 E	.50 LB/AC	EP	88	48	72	0
11B	2,4-DB	2.00 E	.06 LB/AC	EP				
12A	BENTAZON	4.00 E	.75 LB/AC	LLP	0	8	52	0
12B	2,4-DB	2.00 E	.03 LB/AC	LLP				
13	MC 10978	2.00 S	.38 LB/AC	EP	88	12	85	0
14	MC 10978	2.00 S	.50 LB/AC	EP	98	15	88	0
15A	MC 10978	2.00 S	.38 LB/AC	EP	98	12	85	0
15B	SURFACTANT (X-77)	.50 VA	.25 %	EP				
16A	MC 10978	2.00 S	.50 LB/AC	EP	45	20	50	5
16B	SURFACTANT (X-77)	.50 VA	.25 %	EP				
17	VANDAZON	3.00 E	1.50 LB/AC	EP	92	28	82	0
18	VANDAZON	3.00 E	2.25 LB/AC	MP	60	8	62	2

Table 44: Soybean—Cocklebur (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/3 COCB	5/3 CRIN	6/30 COCB	6/30 CRIN
19	NAPRA/DN	3.00 E	3.00 LB/AC	MP	60	10	60	2
20	RH-8817	2.00 E	.50 LB/AC	PRE	58	28	55	0
21	DPX A5967	75.00 WP	.06 LB/AC	PRE	65	28	60	0
22	DPX A5967	75.00 WP	.13 LB/AC	PRE	72	42	75	15
23	DPX A5969	75.00 WP	.06 LB/AC	PRE	88	12	98	2
24	DPX A5969	75.00 WP	.13 LB/AC	PRE	95	8	98	0
25A	CHLORAMBEN	75.00 DS	3.00 LB/AC	LP	58	32	62	2
25B	NAPTALAM	2.00 EC	1.00 LB/AC	LP				
26A	CHLORAMBEN	75.00 DS	3.00 LB/AC	LLP	20	0	58	10
26B	NAPTALAM	2.00 EC	1.00 LB/AC	LLP				
27A	CHLORAMBEN	75.00 DS	3.00 LB/AC	PRE	98	60	92	20
27B	ACIFLUORFEN	2.00 E	.50 LB/AC	LP				
28A	CHLORAMBEN	75.00 DS	3.00 LB/AC	LP	90	38	88	5
28B	ACIFLUORFEN	2.00 E	.50 LB/AC	LP				
29A	CHLORAMBEN	75.00 DS	2.00 LB/AC	LP	42	12	92	0
29B	BENTAZON	4.00 E	.50 LB/AC	LP				
29C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
30A	CHLORAMBEN	75.00 DS	3.00 LB/AC	LLP	5	5	58	18
30B	NAPTALAM	2.00 EC	2.00 LB/AC	LLP				
30C	2,4-DB	2.00 E	.06 LB/AC	LLP				
31A	CHLORAMBEN	75.00 DS	2.00 LB/AC	LLP	30	18	65	12
31B	NAPTALAM	2.00 EC	1.00 LB/AC	LLP				
31C	2,4-DB	2.00 E	.03 LB/AC	LLP				
32A	CHLORAMBEN	75.00 DS	1.50 LB/AC	LLP	0	0	55	8
32B	2,4-DB	2.00 E	.04 LB/AC	LLP				
32C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP				
33A	CHLORAMBEN	75.00 DS	1.00 LB/AC	LLP	0	2	40	5
33B	2,4-DB	2.00 E	.03 LB/AC	LLP				
33C	SURFACTANT (X-77)	.50 NA	.50 %	LLP				
34A	CHLORAMBEN	75.00 DS	1.00 LB/AC	LLP	2	20	55	15
34B	2,4-DB	2.00 E	.04 LB/AC	LLP				
34C	SURFACTANT (X-77)	.50 NA	.50 %	LLP				

Table 44: Soybean—Cocklebur (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/3 -- COCB	CRIN	---6/30 -- COCB	CRIN
35	PPG-844	2.00 E	.50 LB/AC	PRE	70	12	60	0
36	PPG-844	2.00 E	1.00 LB/AC	PRE	80	8	75	2
37A	MEFLUIDIDE	2.00 S	.06 LB/AC	MP	90	15	75	0
37B	BENTAZON	4.00 E	.38 LB/AC	MP				
37C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
38A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	65	8	72	0
38B	BENTAZON	4.00 E	.38 LB/AC	MP				
38C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
39A	MEFLUIDIDE	2.00 S	.06 LB/AC	MP	98	30	88	0
39B	ACIFLUORFEN	2.00 E	.25 LB/AC	3D				
40A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	92	32	88	0
40B	ACIFLUORFEN	2.00 E	.25 LB/AC	3D				
41	RH-0265	2.00 E	.06 LB/AC	MP	68	15	65	0
42	RH-0265	2.00 E	.12 LB/AC	MP	78	25	72	0
43	RH-0265	2.00 E	.25 LB/AC	MP	90	30	82	0
44A	UBI 1484	2.00 L	1.00 LB/AC	LP	55	45	72	20
44B	SURFACTANT (X-77)	.50 WA	.50 %	LP				
45A	UBI 1484	2.00 L	1.50 LB/AC	LP	65	52	72	25
45B	SURFACTANT (X-77)	.50 WA	.50 %	LP				
46	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0
			LSD(05):		23	19	18	9

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 48 P, 48 K PH: 6.8 O.M.: 1.9%
DATE PLANTED: MAY 12 DATE TREATED: MAY 12 PRE
VARIETY: WILLIAMS MAY 23 EP
MAY 30 MP

JUNE 2 +3D, JUNE 6 LP. EP 0-2", MP 2-4", LP 2-6" COCKLEBUR.

Table 45: Soybean—Morningglory

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	6/3 ILMG	6/3 CRIN	6/30 ILMG	6/30 CRIN
1A	BENTAZON	4.00 E	.75 LB/AC	EP	90	10	90	0
1B	OIL CONCENTRATE	.00 AO	1.00 QT/AC	EP				
2A	BENTAZON	4.00 E	1.00 LB/AC	MP	10	0	53	0
2B	OIL CONCENTRATE	.00 AO	1.00 QT/AC	MP				
3	ACIFLUORFEN	2.00 E	.38 LB/AC	EP	97	23	93	7
4	ACIFLUORFEN	2.00 E	.50 LB/AC	MP	57	13	70	0
5A	ACIFLUORFEN	2.00 E	.38 LB/AC	EP	67	30	100	7
5B	BENTAZON	4.00 E	.75 LB/AC	EP				
6A	ACIFLUORFEN	2.00 E	.50 LB/AC	EP	100	37	100	13
6B	BENTAZON	4.00 E	.75 LB/AC	EP				
7A	ACIFLUORFEN	2.00 E	.38 LB/AC	EP	100	43	100	17
7B	2,4-DB	2.00 E	.03 LB/AC	EP				
8A	ACIFLUORFEN	2.00 E	.50 LB/AC	EP	100	47	100	20
8B	2,4-DB	2.00 E	.03 LB/AC	EP				
9A	ACIFLUORFEN	2.00 E	.50 LB/AC	LP	80	27	97	7
9B	2,4-DB	2.00 E	.03 LB/AC	LP				
10A	BENTAZON	4.00 E	.50 LB/AC	EP	93	40	93	3
10B	2,4-DB	2.00 E	.03 LB/AC	EP				
11A	BENTAZON	4.00 E	.50 LB/AC	EP	93	37	97	3
11B	2,4-DB	2.00 E	.06 LB/AC	EP				
12A	BENTAZON	4.00 E	.75 LB/AC	LLP	0	0	40	0
12B	2,4-DB	2.00 E	.03 LB/AC	LLP				
13	MC 10978	2.00 S	.38 LB/AC	EP	100	17	97	0
14	MC 10978	2.00 S	.50 LB/AC	EP	100	23	97	0
15A	MC 10978	2.00 S	.38 LB/AC	EP	100	23	97	7
15B	SURFACTANT (X-77)	.50 WA	.25 %	EP				
16A	MC 10978	2.00 S	.50 LB/AC	EP	100	37	97	10
16B	SURFACTANT (X-77)	.50 WA	.25 %	EP				
17	NAMPA/DM	3.00 E	1.50 LB/AC	EP	100	33	97	7
18	NAMPA/DM	3.00 E	2.25 LB/AC	MP	47	3	63	0

Table 45: Soybean—Morningglory (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL TIM	6/3 ILMG	6/3 CRIN	6/30 ILMG	6/30 CRIN
19	NAMPA/DN	3.00 E	3.00 LB/AC	MP	63	13	77	0
20	RH-8817	2.00 E	.50 LB/AC	PRE	90	33	93	7
21	DPX A5967	75.00 WP	.06 LB/AC	PRE	57	13	83	3
22	DPX A5967	75.00 WP	.13 LB/AC	PRE	80	37	93	17
23	DPX A5969	75.00 WP	.06 LB/AC	PRE	60	3	77	0
24	DPX A5969	75.00 WP	.13 LB/AC	PRE	83	10	90	0
25A	CHLORAMBEN	75.00 DS	3.00 LB/AC	LP	27	13	53	0
25B	NAPTALAM	2.00 EC	1.00 LB/AC	LP				
26A	CHLORAMBEN	75.00 DS	3.00 LB/AC	PRE	90	27	97	0
26B	ACIFLUORFEN	2.00 E	.50 LB/AC	LP				
27A	CHLORAMBEN	75.00 DS	3.00 LB/AC	LP	87	23	87	0
27B	ACIFLUORFEN	2.00 E	.50 LB/AC	LP				
28A	CHLORAMBEN	75.00 DS	2.00 LB/AC	LP	37	0	77	0
28B	BENTAZON	4.00 E	.50 LB/AC	LP				
28C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP				
29A	UBI 1484	2.00 L	1.00 LB/AC	LP	33	20	77	10
29B	SURFACTANT (X-77)	.50 WA	.50 %	LP				
30A	UBI 1484	2.00 L	1.50 LB/AC	LP	37	23	83	13
30B	SURFACTANT (X-77)	.50 WA	.50 %	LP				
31	PPG-844	2.00 E	.50 LB/AC	PRE	77	10	87	0
32	PPG-844	2.00 E	1.00 LB/AC	PRE	97	23	83	3
33A	MEFLUIDIDE	2.00 S	.06 LB/AC	MP	7	3	53	0
33B	BENTAZON	4.00 E	.38 LB/AC	MP				
33C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
34A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	13	3	53	0
34B	BENTAZON	4.00 E	.38 LB/AC	MP				
34C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
35A	MEFLUIDIDE	2.00 S	.06 LB/AC	MP	93	27	97	0
35B	ACIFLUORFEN	2.00 E	.25 LB/AC	3D				
36A	MEFLUIDIDE	2.00 S	.13 LB/AC	MP	93	23	97	0
36B	ACIFLUORFEN	2.00 E	.25 LB/AC	3D				

Table 45: Soybean—Morningglory (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----6/3 -- ILMG	CRIN	---6/30 -- ILMG	CRIN
37	RH-0265	2.00 E	.06 LB/AC	MP	67	13	73	0
38	RH-0265	2.00 E	.12 LB/AC	MP	77	17	73	0
39	RH-0265	2.00 E	.25 LB/AC	MP	83	20	90	0
40	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0
				LSD(05):	20	10	18	6

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 48 P, 48 K PH: 6.8 O.M.: 1.9%
DATE PLANTED: MAY 12 DATE TREATED: MAY 12 PRE
VARIETY: WILLIAMS MAY 23 EP
MAY 30 MP

JUNE 2 +SD, JUNE 6 LP.

Table 46: Johnsongrass in Corn with PPI Treatments

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 JOGR
1	BUTYLATE & R-25788	6.70 E	6.0 lb/A	PPI	CDA	4.5	30
2	BUTYLATE & R-25788	6.70 E	6.0 lb/A	PPI	8004	25.0	60
3	BUTYLATE & R-25788	6.70 E	6.0 lb/A	PPI	8002	12.5	90
4	BUTYLATE & R-25788	6.70 E	6.0 lb/A	PPI	800067	4.3	90
5	EPTC & R-25788	6.70 E	6.0 lb/A	PPI	CDA	4.5	100
6	EPTC & R-25788	6.70 E	6.0 lb/A	PPI	8004	25.0	100
7	EPTC & R-25788	6.70 E	6.0 lb/A	PPI	8002	12.5	100
8	EPTC & R-25788	6.70 E	6.0 lb/A	PPI	80007	4.3	90
9	EPTC & R-25788 & R-33865	6.00 E	6.0 lb/A	PPI	CDA	4.5	80
10	EPTC & R-25788 & R-33865	6.00 E	6.0 lb/A	PPI	8004	25.0	90
11	EPTC & R-25788 & R-33865	6.00 E	6.0 lb/A	PPI	8002	12.5	90
12	EPTC & R-25788 & R-33865	6.00 E	6.0 lb/A	PPI	800067	4.3	90

Table 47: Johnsongrass in Soybeans with PPI Treatments

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 JOGR
1	FLUCHLORALIN	4.00 E	2.0 lb/A	PPI	CDA	4.5	40
2	FLUCHLORALIN	4.00 E	2.0 lb/A	PPI	8004	25.0	50
3	FLUCHLORALIN	4.00 E	2.0 lb/A	PPI	8002	12.5	20
4	FLUCHLORALIN	4.00 E	2.0 lb/A	PPI	800067	4.3	00
5	PENDIMETHALIN	4.00 E	3.0 lb/A	PPI	CDA	4.5	20
6	PENDIMENTALIN	4.00 E	3.0 lb/A	PPI	8004	25.0	40
7	PENDIMETHALIN	4.00 E	3.0 lb/A	PPI	8002	12.5	40
8	PENDIMETHALIN	4.00 E	3.0 lb/A	PPI	800067	4.3	30
9	TRIFLURALIN	4.00 E	2.0 lb/A	PPI	CDA	4.5	70
10	TRIFLURALIN	4.00 E	2.0 lb/A	PPI	8004	25.0	70
11	TRIFLURALIN	4.00 E	2.0 lb/A	PPI	8002	12.5	70
12	TRIFLURALIN	4.00 E	2.0 lb/A	PPI	800067	4.3	50

Table 48: Giant Foxtail in Soybeans with PPI Treatments

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 GIFT
1	PENDIMETHALIN	4.00 E	1.5 lb/A	PPI	CDA	4.5	80
2	PENDIMETHALIN	4.00 E	1.5 lb/A	PPI	8004	25.0	90
3	PENDIMETHALIN	4.00 E	1.5 lb/A	PPI	8002	12.5	90
4	PENDIMETHALIN	4.00 E	1.5 lb/A	PPI	800067	4.3	90
5	TRIFLURALIN	4.00 E	1.0 lb/A	PPI	CDA	4.5	70
6	TRIFLURALIN	4.00 E	1.0 lb/A	PPI	8004	25.0	80
7	TRIFLURALIN	4.00 E	1.0 lb/A	PPI	8002	12.5	90
8	TRIFLURALIN	4.00 E	1.0 lb/A	PPI	800067	4.3	90
9	FLUCHLORALIN	4.00 E	1.0 lb/A	PPI	CDA	4.5	40
10	FLUCHLORALIN	4.00 E	1.0 lb/A	PPI	8004	25.0	80
11	FLUCHLORALIN	4.00 E	1.0 lb/A	PPI	8002	12.5	90
12	FLUCHLORALIN	4.00 E	1.0 lb/A	PPI	800067	4.3	80
13	ALACHLOR	4.00 E	3.0 lb/A	PPI	CDA	4.5	90
14	ALACHLOR	4.00 E	3.0 lb/A	PPI	8004	25.0	90
15	ALACHLOR	4.00 E	3.0 lb/A	PPI	8002	12.5	100
16	ALACHLOR	4.00 E	3.0 lb/A	PPI	800067	4.3	90
17	METALACHLOR	8.00 E	3.0 lb/A	PPI	CDA	4.5	90
18	METALACHLOR	8.00 E	3.0 lb/A	PPI	8004	25.0	100
19	METALACHLOR	8.00 E	3.0 lb/A	PPI	8002	12.5	100
20	METALACHLOR	8.00 E	3.0 lb/A	PPI	800067	4.3	100

Table 49: Giant Foxtail in Soybeans with Preemergence Treatments

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 GIFT
1	ALACHLOR	4.00 E	2.5 lb/A	PRE	CDA	4.5	70
2	ALACHLOR	4.00 E	2.5 lb/A	PRE	8004	25.0	90
3	ALACHLOR	4.00 E	2.5 lb/A	PRE	8002	12.5	100
4	ALACHLOR	4.00 E	2.5 lb/A	PRE	800067	4.3	90
5	METALACHLOR	8.00 E	2.5 lb/A	PRE	CDA	4.5	90
6	METALACHLOR	8.00 E	2.5 lb/A	PRE	8004	25.0	100
7	METALACHLOR	8.00 E	2.5 lb/A	PRE	8002	12.5	100
8	METALACHLOR	8.00 E	2.5 lb/A	PRE	800067	4.5	100

Table 50: Giant Foxtail in Soybeans with Postemergence Treatments

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 GIFT
1	BAS-9052	1.53 EC	0.2 lb/A	EP	CDA	4.5	90
2	BAS-9052	1.53 EC	0.2 lb/A	EP	8004	25.0	80
3	BAS-9052	1.53 EC	0.2 lb/A	EP	8002	12.5	100
4	BAS-9052	1.53 EC	0.2 lb/A	EP	800067	4.3	100
5	CGA-82725	2.00 E	0.2 lb/A	EP	CDA	4.5	100
6	CGA-82725	2.00 E	0.2 lb/A	EP	8004	25.0	100
7	CGA-82725	2.00 E	0.2 lb/A	EP	8002	12.5	100
8	CGA-82725	2.00 E	0.2 lb/A	EP	800067	4.3	100
9	DOWCO 453	2.00 E	0.1 lb/A	EP	CDA	4.5	100
10	DOWCO 453	2.00 E	0.1 lb/A	EP	8004	25.0	100
11	DOWCO 453	2.00 E	0.1 lb/A	EP	8002	12.5	100
12	DOWCO 453	2.00 E	0.1 lb/A	EP	800067	4.3	100
13	FUSILADE	4.00 E	0.2 lb/A	EP	CDA	4.5	70
14	FUSILADE	4.00 E	0.2 lb/A	EP	8004	25.0	70
15	FUSILADE	4.00 E	0.2 lb/A	EP	8002	12.5	80
16	FUSILADE	4.00 E	0.2 lb/A	EP	800067	4.3	90

Table 50: Giant Foxtail in Soybeans with Postemergence Treatments (continued)

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 GIFT
17	DICLOFOP METHYL	3.00 E	1.0 lb/A	EP	CDA	4.5	70
18	DICLOFOP METHYL	3.00 E	1.0 lb/A	EP	8004	25.0	90
19	DICLOFOP METHYL	3.00 E	1.0 lb/A	EP	8002	12.5	90
20	DICLOFOP METHYL	3.00 E	1.0 lb/A	EP	800067	4.3	100
21	BENTAZON +	4.00 E	0.75 lb/A				
	BAS-9052	1.53 EC	0.1 lb/A	EP	CDA	4.5	40
22	BENTAZON +	4.00 E	0.75 lb/A				
	BAS-9052	1.53 EC	0.1 lb/A	EP	8004	25.0	30
23	BENTAZON +	4.00 E	0.75 lb/A				
	BAS-9052	1.53 EC	0.1 lb/A	EP	8002	12.5	60
24	BENTAZON +	4.00 E	0.75 lb/A				
	BAS-9052	1.53 EC	0.1 lb/A	EP	800067	4.3	80

Table 51: Broadleaf Species in Soybeans with Postemergence Treatments

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 PESW	6-4 VELE	6-4 ILMG	8-13 BRLE
1	BENTAZON & COC	4.0 E	0.75 lb & 1 qt/A	EP	CDA	4.5	100	100	80	70
2	BENTAZON & COC	4.0 E	0.75 lb & 1 qt/A	EP	8004	25.0	100	100	70	80
3	BENTAZON & COC	4.0 E	0.75 lb & 1 qt/A	EP	8002	12.5	100	90	70	60
4	BENTAZON & COC	4.0 E	0.75 lb & 1 qt/A	EP	800067	4.3	100	90	100	90
5	BENTAZON &	4.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	CDA	4.5	90	80	80	40
6	BENTAZON &	4.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8004	25.0	100	100	80	50
7	BENTAZON &	4.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8002	12.5	100	100	60	50
8	BENTAZON &	4.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	800067	4.3	100	90	90	40
9	BENTAZON &	4.0 E	0.38 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	CDA	4.5	100	100	70	60
10	BENTAZON &	4.0 E	0.38 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8004	25.0	100	100	50	40
11	BENTAZON &	4.0 E	0.38 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8002	12.5	100	80	60	60
12	BENTAZON &	4.0 E	0.38 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	800067	4.3	100	100	70	40
13	BENTAZON &	4.0 E	0.75 lb/A							
	ACIFLUORFEN	2.0 E	0.50 lb/A	EP	CDA	4.5	100	80	50	50
14	BENTAZON &	4.0 E	0.75 lb/A							
	ACIFLUORFEN	2.0 E	0.50 lb/A	EP	8004	25.0	100	20	40	60

Table 51: Broadleaf Species in Soybeans with Postemergence Treatments (continued)

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 PESW	6-4 VELE	6-4 ILMG	8-13 BRLE
15	BENTAZON &	4.0 E	0.75 lb/A							
	ACIFLUORFEN	2.0 E	0.50 lb/A	EP	8002	12.5	100	10	60	60
16	BENTAZON &	4.0 E	0.75 lb/A							
	ACIFLUORFEN	2.0 E	0.50 lb/A	EP	800067	4.3	100	00	60	50
17	BENTAZON &	4.0 E	0.38 lb/A							
	ACIFLUORFEN	2.0 E	0.25 lb/A	EP	CDA	4.5	100	30	70	50
18	BENTAZON &	4.0 E	0.38 lb/A							
	ACIFLUORFEN	2.0 E	0.25 lb/A	EP	8004	25.0	100	60	60	60
19	BENTAZON &	4.0 E	0.38 lb/A							
	ACIFLUORFEN	2.0 E	0.25 lb/A	EP	8002	12.5	100	80	50	60
20	BENTAZON &	4.0 E	0.38 lb/A							
	ACIFLUORFEN	2.0 E	0.25 lb/A	EP	800067	4.3	100	80	50	60
21	ACIFLUORFEN	2.0 E	0.5 lb/A	EP	CDA	4.5	100	30	50	40
22	ACIFLUORFEN	2.0 E	0.5 lb/A	EP	8004	25.0	100	50	20	50
23	ACIFLUORFEN	2.0 E	0.5 lb/A	EP	8002	12.5	100	100	90	80
24	ACIFLUORFEN	2.0 E	0.5 lb/A	EP	800067	4.3	100	100	60	90
25	ACIFLUORFEN	2.0 E	0.25 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	CDA	4.5	100	80	100	50
26	ACIFLUORFEN &	2.0 E	0.25 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8004	25.0	100	50	60	40
27	ACIFLUORFEN &	2.0 E	0.25 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8002	12.5	100	70	80	50

Table 51: Broadleaf Species in Soybeans with Postemergence Treatments (continued)

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	6-4 PESW	6-4 VELE	6-4 ILMG	8-13 BRLE
28	ACIFLUORFEN &	2.0 E	0.25 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	800067	4.3	100	50	90	40
29	ACIFLUORFEN &	2.0 E	0.5 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	CDA	4.5	100	70	100	40
30	ACIFLUORFEN &	2.0 E	0.5 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8004	25.0	100	70	100	50
31	ACIFLUOFFEN &	2.0 E	0.5 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8002	12.5	100	90	100	40
32	ACIFLUORFEN &	2.0 E	0.5 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	800067	4.3	100	80	100	40
33	NANPA/DN	3.0 E	1.5 lb/A	EP	CDA	4.5	100	20	50	40
34	NANPA/DN	3.0 E	1.5 lb/A	EP	8004	25.0	100	30	30	40
35	NANPA/DN	3.0 E	1.5 lb/A	EP	8002	12.5	100	60	60	50
36	NANPA/DN	3.0 E	1.5 lb/A	EP	800067	4.3	100	50	80	40
37	NANPA/DN &	3.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	CDA	4.5	100	00	60	40
38	NANPA/DN &	3.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8004	25.0	100	20	40	50
39	NANPA/DN &	3.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	8002	12.5	100	50	30	50
40	NANPA/DN &	3.0 E	0.75 lb/A							
	2,4-DB	2.0 E	0.03 lb/A	EP	80067	4.3	100	20	30	50

Table 51: Broadleaf Species in Soybeans with Postemergence Treatments (continued)

TRT. NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH.	NOZZLE TYPE	CARRIER VOLUME(GPA)	- - - - 6-4 - - - - PESW	VELE	ILMG	8-13 BRLE
41	NANPA/ND &	3.0 E	1.5 lb/A	EP						
	2,4-DB	2.0 E	0.03 lb/A	EP	CDA	4.5	100	60	40	50
42	NANPA/ND &	3.0 E	1.5 lb/A	EP						
	2,4-DB	2.0 E	0.03 lb/A	EP	8004	25.0	100	80	30	50
43	NANPA/ND &	3.0 E	1.5 lb/A	EP						
	2,4-DB	2.0 E	0.03 lb/A	EP	8002	12.5	100	90	30	50
44	NANPA/ND &	3.0 E	1.5 lb/A	EP						
	2,4-DB	2.0 E	0.03 lb/A	EP	800067	4.3	100	90	40	40

Table 52: Comparison of Carrier Volume on Postemergence Herbicides for Johnsongrass Control

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE LB/A	NOZZLE SIZE	GPA	8-13 JG	9-3 JG
1A	SETHOXYDIM	1.5EC	0.1	8004	25.0	0	53
1B	OIL CONC.		0AD 1QT	8004	25.0		
2A	SETHOXYDIM	1.5EC	0.2	8004	25.0	67	87
2B	OIL CONC.		0AD 1QT	8004	25.0		
3A	SETHOXYDIM	1.5EC	0.1	8004	25.0	0	67
3B	BENTAZON	4.00E	0.75	8004	25.0		
3C	OIL CONC.		0AD 1QT	8004	25.0		
4A	SETHOXYDIM	1.5EC	0.2	8004	25.0	13	63
4B	BENTAZON	4.00E	0.75	8004	25.0		
4C	OIL CONC.		0AD 1QT	8004	25.0		
5A	SETHOXYDIM	1.5EC	0.1	8002	12.5	27	40
5B	OIL CONC.		0AD 1QT	8002	12.5		
6A	SETHOXYDIM	1.5EC	0.2	8002	12.5	97	87
6B	OIL CONC.		0AD 1QT	8002	12.5		
7A	SETHOXYDIM	1.5EC	0.1	8002	12.5	3	7
7B	BENTAZON	4.00E	0.75	8002	12.5		
7C	OIL CONC.		0AD 1QT	8002	12.5		
8A	SETHOXYDIM	1.5EC	0.2	8002	12.5	13	63
8B	BENTAZON	4.00E	0.75	8002	12.5		
8C	OIL CONC.		0AD 1QT	8002	12.5		
9A	SETHOXYDIM	1.5EC	0.1	800067	4.3	7	23
9B	OIL CONC.		0AD 1QT	800067	4.3		
10A	SETHOXYDIM	1.5EC	0.2	800067	4.3	87	93
10B	OIL CONC.		0AD 1QT	800067	4.3		
11A	SETHOXYDIM	1.5EC	0.1	800067	4.3	0	0
11B	BENTAZON	4.00E	0.75	800067	4.3		
11C	OIL CONC.		0AD 1QT	800067	4.3		
12A	SETHOXYDIM	1.5EC	0.2	800067	4.3	10	20
12B	BENTAZON	4.00E	0.75	800067	4.3		
12C	OIL CONC.		0AD 1QT	800067	4.3		
13A	FLUAZIFOP	4.00E	0.1	8004	25.0	100	100
13B	OIL CONC.		0AD 1QT	8004	25.0		
14A	FLUAZIFOP	4.00E	0.2	8004	25.0	100	100
14B	OIL CONC.		0AD 1QT	8004	25.0	100	100
15A	FLUAZIFOP	4.00E	0.1	8004	25.0	60	93
15B	BENTAZON	4.00E	0.75	8004	25.0		
15C	OIL CONC.		0AD 1QT	8004	25.0		
16A	FLUAZIFOP	4.00E	0.2	8004	25.0	97	93
16B	BENTAZON	4.00E	0.75	8004	25.0		
16C	OIL CONC.		0AD 1QT	8004	25.0		
17A	FLUAZIFOP	4.00E	0.1	8002	12.5	73	90

Table 52: Comparison of Carrier Volume on Postemergence Herbicides for Johnsongrass Control (continued)

17B OIL CONC.	00AD	1QT	8002	12.5		
18A FLUAZIFOP	4.00E	0.2	8002	12.5	100	100
18B OIL CONC.	00AD	1QT	8002	12.5		
19A FLUAZIFOP	4.00E	0.1	8002	12.5	93	93
19B BENTAZON	4.00E	0.75	8002	12.5		
19C OIL CONC.	00AD	1QT	8002	12.5		
20A FLUAZIFOP	4.00E	0.2	8002	12.5	97	97
20B BENTAZON	4.00E	0.75	8002	12.5		
20C OIL CONC.	00AD	1QT	8002	12.5		
21A FLUAZIFOP	4.00E	0.1	800067	4.3	40	97
21B OIL CONC.	00AD	1QT	800067	4.3		
22A FLUAZIFOP	4.00E	0.2	800067	4.3	100	100
22B OIL CONC.	00AD	1QT	800067	4.3		
23A FLUAZIFOP	4.00E	0.1	800067	4.3	3	93
23B BENTAZON	4.00E	0.75	800067	4.3		
23C OIL CONC.	00AD	1QT	800067	4.3		
24A FLUAZIFOP	4.00E	0.2	800067	4.3	70	97
24B BENTAZON	4.00E	0.75	800067	4.3		
24C OIL CONC.	00AD	1QT	800067	4.3		
25A DOWCO 453	2.00E	0.05	8004	25.0	93	100
25B OIL CONC	00AD	1QT	8004	25.0		
26A DOWCO 453	2.00E	0.1	8004	25.0	100	100
26B OIL CONC.	00AD	1QT	8004	25.0		
27A DOWCO 453	2.00E	0.05	8004	25.0	97	93
27B BENTAZON	4.00E	0.75	8004	25.0		
27C OIL CONC.	00AD	1QT	8004	25.0		
28A DOWCO 453	2.00E	0.1	8004	25.0	100	97
28B BENTAZON	4.00E	0.75	8004	25.0		
28C OIL CONC.	00AD	1QT	8004	25.0		
29A DOWCO 453	2.00E	0.05	8002	12.5	100	100
29B OIL CONC.	00AD	1QT	8002	12.5		
30A DOWCO 453	2.00E	0.1	8002	12.5	100	100
30B OIL CONC.	00AD	1QT	8002	12.5		
31A DOWCO 453	2.00E	0.05	8002	12.5	100	93
31B BENTAZON	4.00E	0.75	8002	12.5		
31C OIL CONC.	00AD	1QT	8002	12.5		
32A DOWCO 453	2.00E	0.1	8002	12.5	67	87
32B BENTAZON	4.00E	0.75	8002	12.5		
32C OIL CONC.	00AD	1QT	8002	12.5		
33A DOWCO 453	2.00E	0.05	800067	4.3	63	87
33B OIL CONC.	00AD	1QT	800067	4.3		
34A DOWCO 453	2.00E	0.1	800067	4.3	97	100
34B OIL CONC.	00AD	1QT	800067	4.3		

Table 52: Comparison of Carrier Volume on Postemergence Herbicides for Johnsongrass Control (continued)

35A DOWCO 453	2.00E	0.05	800067	4.3	3	87	
35B BENTAZON	4.00E	0.75	800067	4.3			
35C OIL CONC.	00AD	1QT	800067	4.3			
35A DOWCO 453	2.00E	0.1	800067	4.3	97	97	
35B BENTAZON	4.00E	0.75	800067	4.3			
35C OIL CONC.	00AD	1QT	800067	4.3			

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
PH: 6.0 O.M.: 2.1%
DATE PLANTED: JUNE 9 DATE TREATED:
VARIETY: ESSEX MP JULY 14; JG 10 IN.

Table 53: Burley Tobacco—Soil Applied Herbicides

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 29 CRIV	GRAS	BRLE	GIFT	LACG	RRPW	PESW	COLQ	CORW	BLNS
1	S-734	75.00 WP	.75 LB/AC	PPI	0	97	37	93	93	33	57	30	37	47
2	S-734	75.00 WP	1.00 LB/AC	PPI	0	97	43	97	97	47	67	43	67	70
3	PEBULATE	6.00 E	4.00 LB/AC	PPI	0	90	57	90	97	73	70	57	70	67
4A	DIPHENAMID	90.00 W	6.00 LB/AC	PPI	0	87	63	83	90	83	63	77	40	40
4B	NAPROPAMIDE	50.00 WP	1.00 LB/AC	POT										
5	DIPHENAMID	90.00 W	6.00 LB/AC	PRE	0	77	70	77	77	80	80	73	0	47
6	DIPHENAMID	90.00 W	6.00 LB/AC	PPI	0	80	67	80	87	80	70	67	70	47
7	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	0	90	90	90	97	90	87	93	60	87
8	PENDIMETHALIN	4.00 E	3.00 LB/AC	PPI	0	93	93	90	97	93	90	100	57	93
9	PENDIMETHALIN	4.00 E	4.00 LB/AC	PPI	0	93	83	90	97	100	90	100	67	97
10A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	0	93	80	90	97	90	63	83	67	83
10B	PEBULATE	6.00 E	4.00 LB/AC	PPI										
11A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	0	90	90	90	90	87	80	90	47	87
11B	PENDIMETHALIN	4.00 E	1.00 LB/AC	LBY										
12A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	0	90	87	90	90	90	77	93	67	90
12B	PENDIMETHALIN	4.00 E	1.00 LB/AC	LBY										
13A	PEBULATE	6.00 E	4.00 LB/AC	PPI	0	87	47	87	87	50	67	47	73	57
13B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY										
14	FOE 2602	4.00 E	1.00 LB/AC	PRE	0	80	53	80	80	53	53	53	70	77
15	FOE 2602	4.00 E	2.00 LB/AC	PRE	0	83	70	83	93	73	70	73	77	83
16	FOE 2602	4.00 E	3.00 LB/AC	PRE	0	90	70	90	90	73	63	70	73	80
17	FOE 2602	4.00 E	1.00 LB/AC	PPI	0	87	43	87	90	40	47	37	40	57
18	FOE 2602	4.00 E	2.00 LB/AC	PPI	0	93	63	93	97	70	70	60	77	77
19	FOE 2602	4.00 E	3.00 LB/AC	PPI	0	97	70	93	97	77	73	67	80	80
20A	PEBULATE	6.00 E	4.00 LB/AC	PPI	0	87	77	87	87	87	80	77	80	40
20B	NAPROPAMIDE	50.00 WP	1.00 LB/AC	PRI										
21	ISOPROPALIN	6.00 E	1.50 LB/AC	PPI	0	80	63	80	80	67	67	67	67	53

Table 53: Burley Tobacco—Soil Applied Herbicides (continued)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 29 CRIN	GRAS	BRLE	GIFI	LACG	RRPW	PESW	COLQ	CORN	BLNS
22	BENEFIN	1.50 E	1.50	LB/AC PPI	0	87	83	87	93	87	77	83	67	73
23	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100	100	100	100
24	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	0	0	0	0	0
				LSD(05):	NS	8	17	6	9	16	16	16	20	19

LOCATION: SPINDLETOP FARM
SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K
PH: 6.2 O.M.: 3.5%
DATE PLANTED: MAY 28
DATE TREATED: MAY 28 PRE & PPI
VARIETY: KY 14
MAY 28 POT
JUNE 11 LBY

Table 54: Burley Tobacco—Postemergence Applied Herbicides

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JUNE 26 CRIN	GRAS	BRLE	GIET	LACG	RRPW	PERW	COLQ	CORW	BLNS
1	BENEFIN	1.50 E	1.50	LB/AC	PPT	100	83	75	83	87	80	72	80	62	72
2	DIPHENAMID	90.00 W	6.00	LB/AC	PPT	100	82	40	82	38	87	48	46	28	35
3	ISOPROPALIN	6.00 E	1.50	LB/AC	PPT	100	80	62	80	80	67	52	65	70	58
4	PENDIMETHALIN	4.00 E	1.50	LB/AC	PPI	100	90	87	90	90	98	77	90	77	83
5	PEBULATE	6.00 E	4.00	LB/AC	PPT	100	85	47	85	88	83	65	47	38	45
6A	SETHOXYDIM	1.53 EC	.25	LB/AC	EP	100	95	80	95	93	80	83	82	87	73
6B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	EP										
7A	FLUAZIFOP BUTYL	4.00 E	.25	LB/AC	MP	100	95	82	93	100	85	75	82	65	78
7B	SURFACTANT (X-77)	.50 WA	.10	%	MP										
8A	CGA-92725	2.00 EC	.25	LB/AC	MP	100	95	83	95	98	82	70	82	95	80
8B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP										
9A	DOWCO 453	2.00 E	.13	LB/AC	MP	100	98	83	97	100	88	68	85	85	73
9B	OIL CON. (AIPLUS)	.00 AD	1.00	QT/AC	MP										
10	CHECK (CULTIVATED)	.00 CK	.00			100	100	100	100	100	100	100	100	100	100
				LSD(05):		;	;	;	;	;	;	;	;	;	;

LOCATION: SPINDLETOP FARM — SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K — PH: 6.3 O.M.: 2.9%
DATE PLANTED: MAY 28 — DATE TREATED: MAY 29 PPI
VARIETY: KY 14 — JUNE 11 EP, MP

XI. SPECIES SCREENING STUDY

TRT	CHEMICAL	FORM	RATE LB/A	METH	ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	GIANT FOXTAIL	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEED	JIMSONWEED	VELVETLEAF	COCKLEBUR	SORGHUM	SHATTERCANE	CORN
1.	TRIFLURALIN	4E	1.0	PPI	30	65	0	0	15	90	100	50	5	85	80	90	0	20	0	50	60	5
2.	SD 95481	2EC	0.5	PPI	30	20	25	15	30	85	50	35	10	40	0	55	35	45	40	20	10	5
3.	SD 95481	2EC	1.0	PPI	25	70	10	5	0	95	85	65	10	5	0	75	15	70	30	30	60	85
4.	SD 96638	2EC	0.5	PPI	10	70	0	0	0	90	95	85	0	45	10	45	25	35	0	45	35	75
5.	SD 96638	2EC	1.0	PPI	25	85	55	0	0	100	100	80	0	25	50	75	10	60	55	60	85	95
6.	ALACHLOR	4E	3.0	PRE	60	15	0	0	0	100	85	90	0	85	0	100	85	50	15	20	70	5
7.	ATRAZINE	4L	3.0	PRE	100	95	100	75	70	100	30	100	45	100	100	100	100	95	90	0	0	0
8.	METRIBUZIN	4L	0.5	PRE	100	90	95	0	15	95	90	100	95	100	20	100	100	100	85	30	20	25
9.	PPG 1013	1EC	0.1	PRE	85	0	0	0	0	5	10	80	15	30	5	90	40	20	0	0	0	0
10.	PPG 1013	1EC	0.2	PRE	95	0	15	0	5	30	30	95	10	20	20	100	90	75	5	0	0	0
11.	PPG 1013	1EC	0.4	PRE	100	15	15	0	10	50	50	100	35	95	65	100	95	85	0	10	0	0
12.	PPG 844	2EC	0.5	PRE	95	0	0	0	0	50	75	70	10	20	10	95	95	10	0	20	10	5
13.	SD 95481	2EC	0.75	PRE	20	55	0	0	5	100	95	45	5	0	0	50	5	90	10	65	75	10
14.	SD 95481	2EC	1.5	PRE	40	95	15	5	15	100	100	45	15	0	0	65	20	100	15	90	95	85
15.	SD 96638	2EC	0.75	PRE	20	85	0	0	0	100	100	25	5	0	0	80	20	95	5	85	90	65
16.	SD 96638	2EC	1.5	PRE	50	100	15	20	5	100	100	70	0	0	0	100	45	100	5	100	95	80
17.	BAS 506	53.6W	0.836	EP	0	0	5	0	0	0	0	95	5	20	10	60	100	90	100	0	0	0
18.	PPG 1259	3F	0.05	EP	0	0	10	10	20	0	10	20	35	10	10	75	85	55	85	5	5	0
19.	PPG 1259	3F	0.14	EP	30	10	30	35	35	15	35	50	60	100	65	95	95	70	95	15	15	15
20.	PPG 1259	3F	0.02	EP	0	0	0	0	10	0	0	0	30	30	0	30	65	35	10	0	0	0
21.	PPG 1013	1EC	0.02	EP	55	0	20	10	50	0	0	100	100	100	65	100	100	90	95	15	10	15
22.	PPG 1013	1EC	0.04	EP	70	5	30	10	55	5	5	100	100	100	65	100	100	95	100	20	15	20

XI. SPECIES SCREENING STUDY (continued)

TRT	CHEMICAL	FORM	RATE LB/A	METH	ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	GIANT FOXTAIL	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEED	JIMSONWEED	VELVETLEAF	COCKLEBUR	SORGHUM	SHATTERCANE	CORN
23.	PPG 1013	1EC	0.06	EP	80	10	50	15	75	10	20	100	100	100	90	100	100	100	100	30	25	20
24.	PPG 844	2EC	0.25	EP	95	15	65	20	90	20	20	100	100	100	90	100	100	100	100	25	20	20
25.	BENTAZON	4E	1.0	MP	0	0	0	0	0	0	10	100	70	50	40	70	100	100	100	0	0	0
	+ OIL CONC.	OAD	1 qt	MP																		
26.	ACIFLUORFEN	2S	0.5	MP	80	65	15	10	60	80	85	40	90	100	100	100	100	60	95	75	60	40
27.	SC 0224	4LC	0.5	MP	90	100	100	90	100	100	100	95	70	80	70	95	100	90	100	100	100	100
28.	SC 0224	4LC	1.0	MP	95	100	100	95	100	100	100	100	85	100	85	95	100	90	100	100	100	100
29.	SC 0224	4LC	2.0	MP	100	100	100	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100
30.	SC 1058	2E	0.25	MP	0	95	0		0	85	100	0	0	0	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1 qt	MP				0														
31.	SC 1058	2E	0.5	MP	0	100	0		0	100	100	0	0	0	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1 qt	MP				0														
32.	SETHOXYDIM	1.53EC	0.3	LP	0	95	0		0	90	100	0	0	0	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1 qt	LP				0														
33.	HOE 581	1EC	0.05	LP	0	50	0	0	0	85	90	0	0	0	0	0	0	0	0	100	95	80
34.	HOE 581	1EC	0.1	LP	0	80	0	0	0	90	100	0	0	0	0	0	0	0	0	100	100	100
35.	HOE 581	1EC	0.15	LP	0	90	0	0	0	90	100	0	0	0	0	0	0	0	0	100	100	100
36.	HOE 581	1EC	0.05	LP	0	90	0	0	0	90	95	0	0	0	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1 qt	LP																		
37.	HOE 581	1EC	0.1	LP	0	95	0	0	0	90	95	0	0	0	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1 qt	LP																		

XI. SPECIES SCREENING STUDY (continued)

TRT	CHEMICAL	FORM	RATE LB/A	METH	ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	GIANT FOXTAIL	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEED	JIMSONWEED	VELVETLEAF	COCKLEBUR	SORGHUM	SHATTERCANE	CORN
38.	HOE 581	1EC	0.15	LP	0	100	0	0	0	100	100	0	0	0	0	0	0	0	0	100	100	100
	+ OIL CONC.	OAD	1qt	LP																		
39.	NC 28260	95WP	0.5	LP	90	80	70	80	80	100	100	95	95	95	60	75	100	65	100	100	100	90
	+ TWEEN 20		1%	LP																		
40.	NC 28260	95WP	1.0	LP	100	95	85	90	85	100	100	100	100	100	85	90	100	80	100	100	100	100
	+ TWEEN 20		1%	LP																		
41.	NC 28260	95WP	2.0	LP	100	100	90	95	95	100	100	100	100	100	95	95	100	90	100	100	100	100
	+ TWEEN 20		1%	LP																		

XI. SPECIES SCREENING STUDY (continued)

CROPS AND WEEDS

Alfalfa "Vernal"	Cucumber "Straight Eight"
Oats "Compact"	Morningglory
Snapbeans "Contender"	Pigweed, Redroot
Soybeans "Williams"	Jimsonweed
Peas "Blackeye"	Velvetleaf
Foxtail, Giant	Cocklebur
Johnsongrass	Atlas Sorghum
Spiny Sida	Shattercane
Cotton "Coker 304"	Corn "Pioneer 3369A"

LOCATION: Spindletop Farm
DATE PLANTED: May 11, 1982
DATE TREATED: PPI, PRE May 11, 1982
DATE TREATED: EP June 3, 1982
DATE TREATED: MP June 7, 1982
DATE TREATED: LP June 7, 1982
pH: 6.5
O.M.: 6.5%
DATE RATED: June 21, 1982

XII. Returnable Form for Yields and Additional Information

Certain corn and 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, 1983.

Name _____

Address _____

_____

Phone _____

Firm _____

Type of Data Needed

Corn Yields _____

_____

Soybean Yields _____

_____

Other _____

_____

CONTACT:

Charles H. Slack
N-106 Ag Science Bldg.-North
University of Kentucky
Lexington, Kentucky 40546-0091
Phone: (606) 257-3168

CORN & SOYBEAN YIELDS FOR 1982

C. H. Slack & W.W. Witt

University of Kentucky

College of Agriculture - Department of Agronomy

Lexington

(Not for Publication)

[1]Weed Control Tour - 1982
[2]Herbicide Evaluation Trials - 1982

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2001 CORN PREEMERGENCE & PREPLANT INCORPORATED RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 1 CORN	GIEI	VELE	IAMG	ILMG	JIMG	COLW	9/29 YLD
1	ATRAZINE	4.00 L	2.00 LB/AC	PRE	0	30	45	62	62	100	100	51
2A	ATRAZINE	90.00 WDG	1.50 LB/AC	PRE	0	62	50	65	65	100	100	76
2B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE								
3A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	35	92	82	82	88	100	60
3B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
4A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	0	38	90	70	70	85	100	59
4B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
5A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	2	45	85	72	72	92	98	60
5B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
5C	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
6	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	65	10	5	5	58	35	58
7	ALACHLOR	4.00 E	3.00 LB/AC	PRE	0	88	20	25	25	80	68	65
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	25	45	45	100	100	58
8B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
9A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	0	78	15	8	8	92	90	58
9B	ALACHLOR	4.00 E	2.00 LB/AC	PRE								
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	65	45	50	50	75	75	80
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
10C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE								
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	0	80	40	22	22	100	90	56
11B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
11C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE								
12	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	80	18	10	10	30	18	63
13	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	0	90	0	8	8	25	10	58
14A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	0	72	40	35	35	100	92	71
14B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
15A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	80	12	20	20	100	95	54
15B	SIMAZINE	90.00 WDG	1.60 LB/AC	PRE								
16A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	65	32	22	22	95	90	58
16B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
16C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2001 CORN PREEMERGENCE & PREPLANT INCORPORATED RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 1 CRLV	GLEI	VELE	IAMG	ILMG	JINE	COLQ	9/29 YLQ
17A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	62	38	25	25	85	90	56
17B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
17C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE								
18	CYANAZINE	4.00 L	3.00 LB/AC	PRE	0	38	15	30	30	8	75	42
19A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	0	45	20	8	8	92	100	49
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
20A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	22	82	70	70	98	78	61
20B	CYANAZINE	4.00 L	2.40 LB/AC	PRE								
21A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	0	38	82	62	62	70	100	58
21B	CYANAZINE	4.00 L	2.40 LB/AC	PRE								
22A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	55	72	48	48	95	95	58
22B	SIMAZINE	4.00 L	1.60 LB/AC	PRE								
23A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	PRE	0	50	90	68	68	95	100	72
23B	SIMAZINE	4.00 L	1.60 LB/AC	PRE								
24	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	0	78	18	35	35	100	100	65
25A	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE	0	60	40	30	30	98	100	53
25B	METALACHLOR + ATRAZI	4.50 F	2.70 LB/AC	PRE								
26A	PPG-844	2.00 E	.25 LB/AC	PRE	0	10	45	58	58	100	100	41
26B	SIMAZINE	4.00 L	1.00 LB/AC	PRE								
27A	PPG-844	2.00 E	.50 LB/AC	PRE	0	25	62	65	65	100	100	86
27B	SIMAZINE	4.00 L	1.00 LB/AC	PRE								
28	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	88	60	18	18	35	88	58
29	ALACHLOR	4.00 E	3.00 LB/AC	PPI	0	95	48	18	18	40	100	66
30	ALACHLOR	4.00 E	4.00 LB/AC	PPI	0	92	65	32	32	55	100	56
31A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	78	65	70	70	98	100	68
31B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
32A	ALACHLOR PKG MIX	2.50 L	2.50 LB/AC	PPI	0	85	68	72	72	95	95	73
32B	WITH ATRAZINE	1.50	1.50	PPI								
33	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	0	82	50	20	20	32	72	53
34	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	2	92	45	28	28	35	95	64

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2001 CORN PREEMERGENCE & PREPLANT INCORPORATED RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 1 CRTY	JULY 1 GIFT	JULY 1 VELE	JULY 1 IAMG	JULY 1 ILMG	JULY 1 JIMS	JULY 1 COLQ	9/29 YLD
35	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	0	92	32	28	28	42	75	69
36A	METOLACHLOR	8.00 E	2.00 LB/AC	PPI	0	88	58	75	75	88	96	73
36B	ATRAZINE	4.00 L	1.60 LB/AC	PPI								
37	CP 55097	8.00 EC	2.50 LB/AC	PPI	0	100	70	22	22	75	90	66
38	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PPI	0	82	48	65	65	80	80	63
39A	CYANAZINE	4.00 L	2.00 LB/AC	PPI	0	45	48	48	48	75	80	47
39B	ATRAZINE	4.00 L	1.00 LB/AC	PPI								
40A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	82	92	92	92	92	95	73
40B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
41A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	82	92	90	90	92	98	79
41B	WITH R-33865	1.00	.67	PPI								
41C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
42A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	0	90	92	92	92	95	95	67
42B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
43A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	95	100	100	100	90	100	68
43B	WITH R-33865	1.00	.67	PPI								
43C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
44A	VERNOLATE+ PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	72	95	98	98	90	100	59
44B	WITH R-33865	1.00	.67	PPI								
44C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
45A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	0	90	98	98	98	98	98	59
45B	SC 7432	.95 E	.66 LB/AC	PPI								
45C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
46	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100	90
			LSD(05):		1	16	22	29	29	23	23	7

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.1 O.M.: 3.5%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONNER 3369A MAY 4 PREPLANT INCOR

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2048 CORN PREEMERGENCE (VELSICOL)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5 CRTV	5/13 CRTN	5-30 PESW	5-30 VELE	5-30 GIEI	5-30 CRTV	6/24 PESW	6/24 VELE	6/24 GIEI	6/24 CRTN	--9 YLD
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	88	82	92	0	68	60	88	0	118
1B	DICAMBA	4.00 S	.40 LB/AC	PRE											
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	98	88	92	0	88	75	85	0	130
2B	DICAMBA	4.00 S	.60 LB/AC	PRE											
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	95	92	92	0	92	92	88	0	119
3B	DICAMBA	4.00 S	1.20 LB/AC	PRE											
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	95	65	90	0	80	38	85	0	117
4B	DICAMBA II	2.00 S	.40 LB/AC	PRE											
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	92	90	92	0	60	80	85	0	120
5B	CN 6471	4.00 S	.40 LB/AC	PRE											
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	82	65	90	0	60	35	80	0	121
6B	CN 2913	50.00 WP	.40 LB/AC	PRE											
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	78	50	90	0	50	18	80	0	123
7B	CN 4359/1	50.00 WP	.40 LB/AC	PRE											
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	88	95	92	0	75	98	85	0	117
8B	CN 4359/1	50.00 WP	.60 LB/AC	PRE											
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	100	78	90	0	88	78	88	0	122
9B	CN 4359/1	50.00 WP	1.20 LB/AC	PRE											
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	52	65	92	0	40	40	90	0	133
10B	CN 4359/2	50.00 WP	.40 LB/AC	PRE											
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	92	95	92	0	82	92	88	0	121
11B	CN 4359/2	50.00 WP	1.20 LB/AC	PRE											
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	90	75	92	0	82	42	88	0	133
12B	CN 4359/3	50.00 WP	.40 LB/AC	PRE											
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	92	88	92	0	90	78	95	0	112
13B	CN 4359/3	50.00 WP	1.20 LB/AC	PRE											
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	80	78	95	0	58	50	92	0	143
14B	CN 4359/W	50.00 WP	.40 LB/AC	PRE											
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	100	92	90	0	85	82	85	0	125
15B	CN 4359/W	50.00 WP	1.20 LB/AC	PRE											
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	100	92	98	0	92	88	95	0	104
16B	ATRAZINE	4.00 L	1.75 LB/AC	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2048 CORN PREEMERGENCE (VELSICOL)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5 CRIV	5/13 CRIN	5-30 PESW	5-30 VELE	5-30 GIEI	6/24 CRIV	6/24 PESW	6/24 VELE	6/24 GIEI	--9 CRIN	--9 YLD
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	95	95	92	0	80	85	90	0	111
17B	CYANAZINE	4.00 L	2.00 LB/AC	PRE											
18	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	0	40	42	92	0	10	35	92	0	122
19A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	75	85	82	0	45	80	70	0	119
19B	CN 4359/1	50.00 WP	.40 LB/AC	PRE											
20A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	88	82	90	0	72	60	85	0	97
20B	CN 4359/1	50.00 WP	.60 LB/AC	PRE											
21A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	92	68	92	0	90	58	82	0	135
21B	CN 4359/1	50.00 WP	1.20 LB/AC	PRE											
22A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	88	85	78	0	45	78	50	0	132
22B	DICAMBA	4.00 S	.40 LB/AC	PRE											
23A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	90	92	90	0	68	88	75	0	121
23B	DICAMBA	4.00 S	.60 LB/AC	PRE											
24A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	95	92	92	0	88	88	88	0	124
24B	DICAMBA	4.00 S	1.20 LB/AC	PRE											
25A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	100	78	88	0	92	70	92	0	107
25B	ATRAZINE	4.00 L	1.75 LB/AC	PRE											
26A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	55	95	92	0	32	75	80	0	114
26B	CYANAZINE	4.00 L	2.00 LB/AC	PRE											
27	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	0	0	35	48	95	0	15	8	92	0	118
28	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	0	100	0	0	0	100	0	122
				LSD(05):	NS	NS	18	30	30	NS	24	42	14	NS	16

LOCATION: SOUTH FARM, LEXINGTO SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 0 P, 0 K PH: 6.2 O.M.: 3.5%
DATE PLANTED: APRIL 29 DATE TREATED: APRIL 29
VARIETY: POINEER 3369A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2049 CORN PREEMERGENCE, PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/14 CRIN	5/16 CRIN	5/30 PESW	5/30 VELE	5/30 GIFI	5/30 CRIN	6/24 PESW	6/24 VELE	6/24 GIFI	6/24 CRIN	YLD
1A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	100	100	0	60	98	95	0	111
1B	DICAMBA	4.00 S	.40 LB/AC	PRE											
2A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	95	100	98	0	114
2B	DICAMBA	4.00 S	.60 LB/AC	PRE											
3A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	98	0	95	100	98	0	114
3B	DICAMBA	4.00 S	1.20 LB/AC	PRE											
4A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	90	100	100	0	85	100	100	0	110
4B	DICAMBA II	2.00 S	.40 LB/AC	PRE											
5A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	90	100	100	0	80	100	98	0	113
5B	CN 6471	4.00 S	.40 LB/AC	PRE											
6A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	100	95	0	65	100	88	0	122
6B	CN 2913	50.00 WP	.40 LB/AC	PRE											
7A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	72	95	98	0	58	92	95	0	109
7B	CN 4359/1	50.00 WP	.40 LB/AC	PRE											
8A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	98	95	0	75	98	92	0	125
8B	CN 4359/1	50.00 WP	.60 LB/AC	PRE											
9A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	98	100	95	0	116
9B	CN 4359/1	50.00 WP	1.20 LB/AC	PRE											
10A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	85	98	100	0	80	75	90	0	116
10B	CN 4359/2	50.00 WP	.40 LB/AC	PRE											
11A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	98	100	0	78	100	98	0	115
11B	CN 4359/3	50.00 WP	.40 LB/AC	PRE											
12A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	100	0	92	100	95	0	117
12B	CN 4359/2	50.00 WP	1.20 LB/AC	PRE											
13A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	98	0	100	100	95	0	111
13B	CN 4359/3	50.00 WP	1.20 LB/AC	PRE											
14A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	98	92	0	88	95	92	0	110
14B	DICAMBA	4.00 S	.40 LB/AC	PPI											
15A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	90	100	95	0	120
15B	DICAMBA	4.00 S	.60 LB/AC	PPI											
16A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	100	0	92	100	100	0	109
16B	DICAMBA	4.00 S	1.20 LB/AC	PPI											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2049 CORN PREEMERGENCE, PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/14 CRIN	5/16 CRIN	5/30 PESW	5/30 VELE	5/30 GIET	5/30 CRIN	6/24 PESW	6/24 VELE	6/24 GIET	6/24 CRIN	--9 YLD
17A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	92	0	82	100	92	0	114
17B	DICAMBA II	2.00 S	.40 LB/AC	PPI											
18A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	75	100	100	0	48	100	98	0	103
18B	CN 6471	4.00 S	.40 LB/AC	PPI											
19A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	85	98	98	0	55	98	98	0	115
19B	CN 2913	50.00 WP	.40 LB/AC	PPI											
20A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	88	100	100	0	82	98	98	0	116
20B	CN 4359/1	50.00 WP	.40 LB/AC	PPI											
21A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	100	0	70	88	98	0	99
21B	CN 4359/1	50.00 WP	.60 LB/AC	PPI											
22A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	95	100	92	0	110
22B	CN 4359/1	50.00 WP	1.20 LB/AC	PPI											
23A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	90	100	98	0	75	98	95	0	101
23B	CN 4359/2	50.00 WP	.40 LB/AC	PPI											
24A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	80	100	98	0	50	100	95	0	114
24B	CN 4359/3	50.00 WP	.40 LB/AC	PPI											
25A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	98	0	98	100	92	0	99
25B	CYANAZINE	4.00 L	2.00 LB/AC	PPI											
26A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	95	0	95	98	95	0	116
26B	ATRAZINE	4.00 L	1.75 LB/AC	PPI											
27	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	65	95	100	0	10	85	100	0	110
28A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	98	0	111
28B	DICAMBA	4.00 S	.40 LB/AC	EP											
29A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	90	0	116
29B	DICAMBA	4.00 S	.60 LB/AC	EP											
30A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	98	0	111
30B	DICAMBA	4.00 S	1.20 LB/AC	EP											
31A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	2	0	100	100	90	0	90	95	88	0	131
31B	DICAMBA II	2.00 S	.40 LB/AC	EP											
32A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	95	100	98	0	98	100	92	0	118
32B	CN 6471	4.00 S	.40 LB/AC	EP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #20 - CORN PREEMERGENCE, PREPLANT & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5/14 CRIN	5/16 CRIN	5/30 PESW	5/30 VELE	5/30 GIFI	5/24 CRIN	6/9 PESW	6/9 VELE	6/9 GIFI	6/9 CRIN	YLD
33A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	96	100	100	0	114
33B	CN 2913	50.00 WP	.40 LB/AC	EP											
34A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	82	100	98	0	70	100	92	0	118
34B	CN 4359/1	50.00 WP	.40 LB/AC	EP											
35A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	100	0	116
35B	CN 4359/1	50.00 WP	.60 LB/AC	EP											
36A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	100	100	100	0	100	100	98	0	106
36B	CN 4359/1	50.00 WP	1.20 LB/AC	EP											
37A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	92	0	90	98	90	0	125
37B	CN 4359/2	50.00 WP	.40 LB/AC	EP											
38A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	100	0	92	100	95	0	116
38B	CN 4359/3	50.00 WP	.40 LB/AC	EP											
39A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	5	0	98	100	98	0	95	100	90	0	116
39B	CN 4359/1	50.00 WP	.40 LB/AC	EP											
39C	SURFACTANT (X-77)	.50 WA	.50 %	EP											
40A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	0	0	98	100	95	0	92	98	95	0	110
40B	DICAMBA	4.00 S	.40 LB/AC	EP											
40C	SURFACTANT (X-77)	.50 WA	.50 %	EP											
41A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	19	0	98	100	98	0	92	100	100	0	104
41B	BROMOXYNIL	2.00 E	.25 LB/AC	EP											
42A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	45	20	100	100	98	0	98	100	100	0	110
42B	BROMOXYNIL	2.00 E	.50 LB/AC	EP											
43	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	100	0	0	0	100	0	67
44	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	17	82	0	0	0	98	0	95
			LSD(05):		NS	NS	18	30	NS	NS	24	42	14	NS	10

LOCATION: SOUTH FARM LEXINGTON SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 0 P, 0 K PH: 6.2 O.M.: 3.5%
DATE PLANTED: APRIL 29 DATE TREATED: APRIL 29 PRE & PPI
VARIETY: PIONEER 3369A MAY 11 EP
EP 0-2" WEEDS.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2050 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	6/11 PESW	6/11 VELE	6/11 GIFI	6/11 CRIN	6/25 PESW	6/25 VELE	6/25 GIFI	6/25 CRIV	7/25 PESW	7/25 VELE	7/25 GIFI	10/6 YLD
1A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	98	72	98	0	100	78	92	10	95	85	88	120
1B	DICAMBA	4.00 S	.24	LB/AC	16C												
2A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	98	70	92	18	100	75	92	25	92	68	75	76
2B	DICAMBA	4.00 S	.25	LB/AC	16C												
2C	SURFACTANT (X-77)	.50 VA	.50	%	16C												
3A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	98	90	100	5	100	90	95	15	100	95	90	84
3B	DICAMBA	4.00 S	.50	LB/AC	16C												
4A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	75	88	98	35	75	75	95	40	100	100	88	64
4B	DICAMBA	4.00 S	1.00	LB/AC	16C												
5A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	52	95	2	100	58	92	5	98	68	92	103
5B	DICAMBA II	2.00 S	.25	LB/AC	16C												
6A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	75	98	5	100	88	92	20	98	90	88	95
6B	DICAMBA II	2.00 S	.25	LB/AC	16C												
6C	SURFACTANT (X-77)	.50 VA	.50	%	16C												
7A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	72	95	20	100	85	92	28	100	85	88	87
7B	DICAMBA II	2.00 S	.50	LB/AC	16C												
8A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	80	98	0	98	85	98	18	98	85	85	89
8B	CN 6471	4.00 S	.25	LB/AC	16C												
9A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	82	95	0	100	88	92	8	100	92	85	109
9B	CN 6471	4.00 S	.25	LB/AC	16C												
9C	SURFACTANT (X-77)	.50 VA	.50	%	16C												
10A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	88	98	2	100	90	98	12	100	95	92	64
10B	CN 6471	4.00 S	.50	LB/AC	16C												
11A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	98	55	100	0	100	50	95	8	95	65	88	72
11B	CN 2913	50.00 WP	.25	LB/AC	16C												
12A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	88	95	0	98	92	85	8	98	90	82	91
12B	CN 2913	50.00 WP	.25	LB/AC	16C												
12C	SURFACTANT (X-77)	.50 VA	.50	%	16C												
13A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	68	98	10	100	88	90	10	100	82	92	95
13B	CN 2913	50.00 WP	.50	LB/AC	16C												
14A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	94	78	98	0	98	80	95	8	98	90	92	82
14B	CN 1504	50.00 WP	.25	LB/AC	16C												
15A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	100	68	95	5	100	75	92	15	95	85	78	106
15B	CN 1504	50.00 WP	.25	LB/AC	16C												
15C	SURFACTANT (X-77)	.50 VA	.50	%	16C												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2050 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	6/11 PESN	6/11 VELE	6/11 GIFI	6/11 CRIN	6/25 PESN	6/25 VELE	6/25 GIFI	6/25 CRIN	7/25 PESN	7/25 VELE	7/25 GIFI	10/6 YLD
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	70	90	18	100	95	88	18	98	90	75	92
16B	CN 1504	50.00 WP	.50 LB/AC	16C												
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	40	90	0	90	48	75	8	90	68	72	98
17B	CN 4359/1	50.00 WP	.25 LB/AC	16C												
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	65	90	0	98	75	88	0	95	82	80	81
18B	CN 4359/1	50.00 WP	.25 LB/AC	16C												
18C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	68	95	10	100	80	98	25	98	78	90	79
19B	CN 4359/1	50.00 WP	.50 LB/AC	16C												
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	90	100	20	100	90	95	32	100	92	95	78
20B	CN 4359/1	50.00 WP	1.00 LB/AC	16C												
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	60	58	92	0	72	82	82	8	72	80	75	82
21B	CN 4359/2	50.00 WP	.25 LB/AC	16C												
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	68	75	92	5	70	82	80	15	48	80	75	71
22B	CN 4359/2	50.00 WP	.25 LB/AC	16C												
22C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	55	98	5	98	80	90	5	92	65	88	86
23B	CN 4359/2	50.00 WP	.50 LB/AC	16C												
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	92	0	98	90	88	0	95	92	80	101
24B	CN 4359/3	50.00 WP	.25 LB/AC	16C												
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	68	100	0	80	70	95	2	92	92	85	113
25B	CN 4359/3	50.00 WP	.25 LB/AC	16C												
25C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	75	98	12	100	88	85	15	98	85	82	79
26B	CN 4359/3	50.00 WP	.50 LB/AC	16C												
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	72	98	0	98	92	100	10	100	92	95	99
27B	CN 4359/4	50.00 WP	.50 LB/AC	16C												
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	92	95	10	85	98	88	10	95	98	78	110
28B	2,4-D AMINE	4.00 E	.50 LB/AC	16C												
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	52	95	100	48	62	70	92	32	65	90	85	68
29B	2,4-D AMINE	4.00 E	.50 LB/AC	16C												
29C	SURFACTANT (X-77)	.50 WA	.50 %	16C												
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	92	92	28	92	98	80	20	98	100	85	74
30B	2,4-D AMINE	4.00 E	1.00 LB/AC	16C												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2050 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	6/11 PESW	6/11 VELE	6/11 GIEI	6/11 CRIN	6/25 PESW	6/25 VELE	6/25 GIEI	6/25 CRIN	7/25 PESW	7/25 VELE	7/25 GIEI	10/6 YLD
31	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	25	100	0	0	0	95	5	0	0	100	62
32	CHECK (CULTIVATED)	.00 CK	.00		0	0	100	0	0	0	100	0	0	0	0	77
				LSD(05):	22	38	8	14	23	31	10	16	14	24	17	31

LOCATION: SOUTH FARM LEXINGTON SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.2 O.M.: 3.5%
DATE PLANTED: APRIL 29 DATE TREATED: MAY 28 16C
VARIETY: PIONEER 3369A
* 16C = SIXTEEN INCH CORN A= HARVEST 10/6.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2003 CORN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIFI	VELE	COLQ	RRPW	JIMI	ILMG	9/29 YLD
1A	ATRAZINE	4.00 L	1.50 LB/AC	MP	0	35	88	100	100	100	95	93
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
2	CYANAZINE	80.00 WP	2.00 LB/AC	EP	0	48	100	42	92	100	100	73
3A	SD 15418	90.00 DF	2.00 LB/AC	EP	0	65	100	100	100	100	100	107
3B	DICAMBA	4.00 S	.50 LB/AC	EP								
4A	CYANAZINE	80.00 WP	2.00 LB/AC	EP	0	70	100	100	100	100	100	89
4B	DICAMBA	4.00 S	.50 LB/AC	EP								
5A	CYANAZINE	4.00 L	2.00 LB/AC	EP	2	72	100	100	100	100	100	82
5B	DICAMBA	4.00 S	.50 LB/AC	EP								
6	DICAMBA	4.00 S	.50 LB/AC	EP	2	10	95	100	100	100	98	80
7	DICAMBA	4.00 S	.25 LB/AC	MP	0	18	78	85	100	100	95	69
8	DICAMBA	4.00 S	.25 LB/AC	LP	0	0	72	90	100	100	100	50
9A	DICAMBA	4.00 S	.50 LB/AC	EP	0	18	90	100	100	95	100	97
9B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
10A	DICAMBA	4.00 S	.25 LB/AC	MP	2	5	100	100	98	100	100	82
10B	2,4-D AMINE	4.00 E	.25 LB/AC	MP								
11A	DICAMBA	4.00 S	.25 LB/AC	LP	5	10	100	92	100	100	100	69
11B	2,4-D AMINE	4.00 E	.25 LB/AC	LP								
12A	DICAMBA	4.00 S	.50 LB/AC	EP	2	72	100	100	100	100	100	110
12B	ATRAZINE	4.00 L	1.50 LB/AC	EP								
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP								
13	DICAMBA II	2.00 S	.50 LB/AC	MP	2	30	88	82	92	100	100	88
14	DICAMBA II	2.00 S	.25 LB/AC	LP	0	0	60	78	95	100	90	72
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	72	100	92	100	100	12	98
15B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD								
15C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD								
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	100	100	100	100	100	110
16B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD								
16C	2,4-D AMINE	4.00 E	.50 LB/AC	POD								
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	POD								
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	75	100	100	100	90	120
17B	DICAMBA	4.00 S	.50 LB/AC	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2003 CORN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	GIEI	VELE	COLQ	RRPW	JIAE	ICMG	9/29 XLQ
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	82	88	92	92	92	102
18B	2,4-D AMINE	4.00 E	.50 LB/AC	EP								
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	68	25	68	100	95	58	81
19B	BROMOXYNIL 2	2.00 E	.13 LB/AC	MP								
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	65	82	92	100	80	94
20B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP								
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	58	90	100	100	100	100	98
21B	BROMOXYNIL 2	2.00 E	.38 LB/AC	MP								
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	100	100	100	100	100	82
22B	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP								
22C	ATRAZINE	4.00 L	1.25 LB/AC	MP								
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	80	100	100	100	100	91
23B	ATRAZINE	4.00 L	1.25 LB/AC	MP								
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP								
24	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	2	0	85	100	80	100	100	70
25A	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	0	30	100	100	100	100	100	88
25B	ATRAZINE	4.00 L	1.25 LB/AC	MP								
26A	BROMOXYNIL 2	2.00 E	.25 LB/AC	MP	2	18	100	100	100	100	90	77
26B	ATRAZINE	4.00 L	.50 LB/AC	MP								
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	92	85	100	95	82	93
27B	DACAMINE 360	3.00 EC	.21 LB/AC	EP								
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	82	90	90	100	80	90	101
28B	DACAMINE 360	3.00 EC	.47 LB/AC	EP								
29A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	0	68	100	100	100	100	92	93
29B	ATRAZINE	4.00 L	1.50 LB/AC	SPK								
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	100	100	100	100	95	118
30B	ATRAZINE	4.00 L	1.50 LB/AC	EP								
30C	DICAMBA	4.00 S	.50 LB/AC	EP								
31A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	0	60	92	100	100	100	100	90
31B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK								
32A	PENDIMETHALIN	60.00 DG	1.50 LB/AC	SPK	0	55	100	100	100	100	90	89
32B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2003 CORN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 19 CRIN	JULY 19 GIET	JULY 19 VELE	JULY 19 COLO	JULY 19 RRPW	JULY 19 JINE	JULY 19 ILMG	9/29 YLD
33	R-40244	2.00 E	.25 LB/AC	SPK	2	0	35	85	90	95	92	80
34	R-40244	2.00 E	.13 LB/AC	SPK	5	25	0	35	0	75	28	66
35A	R-40244	2.00 E	.25 LB/AC	SPK	0	0	15	62	75	38	55	59
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	SPK								
36A	R-40244	2.00 E	.13 LB/AC	SPK	0	0	22	50	50	75	58	67
36B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	SPK								
37A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	10	32	100	68	12	91
37B	R-40244	2.00 E	.13 LB/AC	SPK								
38	PPG 1259	3.00 FL	.10 LB/AC	2LF	0	0	38	32	55	70	62	65
39	PPG 1259	3.00 FL	.20 LB/AC	2LF	2	22	50	28	75	80	92	77
40	CHECK (CULTIVATED)	.00 CK	.00		0	98	100	82	100	85	92	103
				LSD(05):	4	24	22	27	26	25	20	30

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.8%
DATE PLANTED: MAY 3 DATE TREATED: 5-12 SPK
VARIETY: PIONEER 3369A 5-14 2LF
5-24 EP

3-28 MP, 6-2 LP & POD. EP 0-2", MP 2-4", LP 4-6".

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2004 CORN NO-TILL IN KILLED FESCUE SOD

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5	JULY 9					AUGUST 4					10/1
					SOIL	GRAS	BRLE	CRIN	LACG	RRPA	SOIL	GRAS	BRLE	CRIN	LACG	YLD
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	80	95	0	80	95	85	75	82	0	75	83
1B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
1D	SURFACTANT (X-77)	.50 WA	.06 %	PRE												
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	98	92	0	98	92	100	98	80	0	88	87
2B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
2C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
2D	SURFACTANT (X-77)	.50 WA	.13 %	PRE												
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	90	92	0	90	92	95	72	85	0	72	83
3B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
3D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	95	95	0	95	95	100	88	85	0	88	86
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
4C	PARAQUAT	2.00 E	.50 LB/AC	PRE												
4D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
5A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	62	90	95	0	90	95	92	80	80	0	80	75
5B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
6A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	58	92	92	0	92	92	80	75	75	0	75	77
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	62	92	95	0	92	95	90	85	92	0	85	94
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	52	95	95	0	95	95	95	70	85	0	70	73
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE												
8C	SC 0224	4.00 LC	2.00 LB/AC	PRE												
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	90	95	0	90	95	78	78	88	0	78	93
9B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
9C	NC 28260	95.00 WP	1.00 LB/AC	PRE												
9D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE												
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	92	92	0	92	92	92	78	78	0	78	89
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
10C	NC 28260	95.00 WP	2.00 LB/AC	PRE												
10D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE												
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	50	90	95	0	90	95	50	58	90	0	58	51
11B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
11C	HOE 661	1.67 E	.25 LB/AC	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2004 CORN NO-TILL IN KILLED FESCUE SOD

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--5 SOKI	JULY 9 GRAS	JULY 9 BRLE	JULY 9 CRIN	JULY 9 LACG	JULY 9 RRPN	JULY 9 SJAI	AUGUST 4 GRAS	AUGUST 4 BRLE	AUGUST 4 CRIN	AUGUST 4 LACG	10/1 YLD
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	90	98	0	90	98	70	72	78	0	72	71
12B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
12C	HOE 661	1.67 E	.50 LB/AC	PRE												
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	90	92	0	90	92	72	70	82	0	70	75
13B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
13C	HOE 661	1.67 E	.63 LB/AC	PRE												
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	92	92	0	92	92	88	78	82	0	78	98
14B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
14C	HOE 661	1.67 E	.75 LB/AC	PRE												
15A	BUTYLATE + R-25788	4.00 S	4.00 LB/AC	PRE	75	90	95	0	90	95	92	82	78	0	82	94
15B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
15C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
15D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
16A	BUTYLATE + R-25788	4.00 S	6.00 LB/AC	PRE	68	90	92	0	90	92	85	75	82	0	75	81
16B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
16C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
16D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
17A	BUTYLATE + R-25788	4.00 S	6.00 LB/AC	PRE	38	90	92	0	90	92	38	58	82	0	58	63
17B	PARAQUAT	2.00 E	.25 LB/AC	PRE												
17C	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
18A	CP 55097	8.00 EC	2.50 LB/AC	PRE	82	90	92	0	90	92	92	80	82	0	80	83
18B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
18C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
18D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
19A	CP 55097	8.00 EC	2.50 LB/AC	PRE	65	88	90	0	88	90	90	75	85	0	75	81
19B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
19C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE												
20A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	90	92	92	0	92	92	95	85	85	0	85	81
20B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
20C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
20D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	62	88	95	0	88	95	80	72	85	0	72	79
21B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
21C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE												
22A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	98	92	0	98	92	100	88	80	0	88	95
22B	ATRAZINE	4.00 L	1.00 LB/AC	PRE												
22C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
22D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2004 CORN NO-TILL IN KILLED FESCUE SOD

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--6 SOIL	JULY 9 GRAS	JULY 9 BRLE	JULY 9 CRIN	JULY 9 LACG	JULY 9 RRPA	AUGUST 4 SOIL	AUGUST 4 GRAS	AUGUST 4 BRLE	AUGUST 4 CRIN	AUGUST 4 LACG	10/1 YLD
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	68	90	92	0	90	92	72	75	78	0	75	66
23B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
23C	SETHOXYDIM	1.53 EC	.20 LB/AC	PRE												
23D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	PRE												
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	75	88	90	0	85	90	72	65	85	0	65	71
24B	ATRAZINE	4.00 L	1.50 LB/AC	PRE												
24C	SETHOXYDIM	1.53 EC	.40 LB/AC	PRE												
24D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	PRE												
				LSD(05):	11	NS	NS	NS	NS	NS	13	11	NS	NS	11	21

LOCATION: SPILDLETOPNOLETOP FA SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.0%
DATE PLANTED: MAY 10 DATE TREATED: MAY 10 PREEMERGENCE
VARIETY: PIONEER 3369A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2005 NO-TILL CORN IN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW	10/1 YLD
1A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	98	92	0	88	92	85	90	0	85	90	124
1B	METOLACHLOR	8.00 E	2.50 LB/AC	PRE											
1C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
2A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	98	92	0	88	92	92	85	0	92	85	127
2B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
2C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	100	45	90	100	85	98	20	85	98	93
3B	SIMAZINE	4.00 L	1.50 LB/AC	PRE											
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
3D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
3E	DICAMBA	4.00 S	.50 LB/AC	EP											
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	98	0	90	98	85	88	0	85	88	119
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
4C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	98	0	85	98	92	95	0	82	95	120
5B	ATRAZINE	4.00 L	2.00 LB/AC	PRE											
5C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	82	100	0	82	100	80	98	0	80	98	102
6B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
6C	PARAQUAT	2.00 E	.50 LB/AC	PRE											
6D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	98	0	85	98	75	98	0	75	98	123
7B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
7C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
7D	SURFACTANT (X-77)	.50 WA	.06 %	PRE											
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	80	98	0	80	98	80	98	0	80	98	98
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
8C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
8D	SURFACTANT (X-77)	.50 WA	.13 %	PRE											
9A	PARAQUAT	2.00 E	.25 LB/AC	PRE	95	100	0	95	100	90	98	0	90	98	103
9B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
9C	M-4127	4.00 E	.50 LB/AC	EP											
9D	ATRAZINE	4.00 L	1.50 LB/AC	EP											
9E	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	EP											
10A	PARAQUAT	2.00 E	.25 LB/AC	PRE	100	100	0	100	100	95	98	0	98	98	114
10B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
10C	M-4127	4.00 E	.75 LB/AC	EP											
10D	ATRAZINE	4.00 L	1.50 LB/AC	EP											
10E	CROP OIL (SUN 11E)	.00 AD	1.00 QT/AC	EP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2005 NO-TILL CORN IN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW	10/1 YLD
11A	PARAQUAT	2.00 E	.25 LB/AC	PRE	98	98	0	98	98	95	100	0	95	100	108
11B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
11C	M-4127	4.00 E	.50 LB/AC	EP											
11D	ATRAZINE	4.00 L	1.50 LB/AC	EP											
11E	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	EP											
12A	PARAQUAT	2.00 E	.25 LB/AC	PRE	92	100	0	92	100	92	100	0	92	100	87
12B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
12C	M-4127	4.00 E	.50 LB/AC	MP											
12D	ATRAZINE	4.00 L	1.50 LB/AC	MP											
12E	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP											
13A	PARAQUAT	2.00 E	.25 LB/AC	PRE	98	100	0	98	100	92	100	0	92	100	112
13B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
13C	M-4127	4.00 E	.75 LB/AC	MP											
13D	ATRAZINE	4.00 L	1.50 LB/AC	MP											
13E	CROP OIL (SUN 11E)	.00 AD	3.00 QT/AC	MP											
14A	PARAQUAT	2.00 E	.25 LB/AC	PRE	98	100	0	88	100	85	100	0	85	100	112
14B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
14C	M-4127	4.00 E	.50 LB/AC	MP											
14D	ATRAZINE	4.00 L	1.50 LB/AC	MP											
14E	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP											
15A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	100	100	0	100	100	95	100	0	95	100	128
15B	M-4127	4.00 E	.50 LB/AC	EP											
15C	ATRAZINE	4.00 L	1.50 LB/AC	EP											
15D	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	EP											
16A	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE	98	98	0	98	98	98	98	0	98	98	116
16B	M-4127	4.00 E	.50 LB/AC	MP											
16C	ATRAZINE	4.00 L	1.50 LB/AC	MP											
16D	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP											
17A	PARAQUAT	2.00 E	.25 LB/AC	PRE	95	100	0	95	100	98	100	0	98	100	111
17B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
17C	M-4127	4.00 E	.50 LB/AC	MP											
17D	ATRAZINE	4.00 L	1.50 LB/AC	MP											
17E	OIL CON. (ATPLUS)	.00 AD	1.00 QT/AC	MP											
18A	PARAQUAT	2.00 E	.25 LB/AC	PRE	100	100	0	100	100	98	100	0	98	100	96
18B	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
18C	M-4127	4.00 E	.50 LB/AC	EP											
18D	ATRAZINE	4.00 L	1.50 LB/AC	EP											
18E	CYANAZINE	50.00 WP	1.00 LB/AC	EP											
19A	CP 55097	8.00 EC	2.00 LB/AC	PRE	90	100	0	80	100	65	98	0	55	98	108
19B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
19C	PARAQUAT	2.00 E	.25 LB/AC	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2005 NO-TILL CORN IN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW	10/1 YLD
20A	CP 55097	8.00 EC	2.50 LB/AC	PRE	78	100	0	78	100	75	98	0	75	98	120
20B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
20C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
20D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
21A	CP 55097	8.00 EC	2.00 LB/AC	PRE	70	82	0	70	82	60	92	0	60	92	105
21B	ATRAZINE	4.00 L	1.60 LB/AC	PRE											
21C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE											
22A	CP 55097	8.00 EC	2.50 LB/AC	PRE	82	92	0	82	92	80	98	0	80	98	129
22B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
22C	GLYPHOSATE	4.00 E	2.00 LB/AC	PRE											
23A	ALACHLOR + GLYPHOSAT	4.00 E	4.00 LB/AC	PRE	80	95	0	80	95	72	98	0	72	98	117
23B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	90	100	0	90	100	90	100	0	80	100	115
24B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
24C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
24D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
25A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	82	100	0	82	100	80	98	0	80	98	116
25B	ATRAZINE	4.00 L	2.00 LB/AC	PRE											
25C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
25D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
26A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	95	0	85	95	78	92	0	78	92	103
26B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
26C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
27A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	98	0	85	98	80	98	0	80	98	125
27B	ATRAZINE	4.00 L	2.00 LB/AC	PRE											
27C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
28A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	92	98	0	92	98	85	95	0	85	95	127
28B	ATRAZINE	4.00 L	1.00 LB/AC	PRE											
28C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
28D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
29A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	94	100	0	88	100	78	98	0	78	98	109
29B	ATRAZINE	4.00 L	1.00 LB/AC	PRE											
29C	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
30A	SD 12011	4.00 L	2.00 LB/AC	PRE	75	92	0	75	92	52	95	0	52	95	113
30B	PARAQUAT	2.00 E	.25 LB/AC	PRE											
30C	SURFACTANT (X-77)	.50 WA	.25 %	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2005 NO-TILL CORN IN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW	10/1 YLD
31A	SD 12011	4.00 L	2.00 LB/AC	PRE	75	95	0	78	95	70	95	0	70	95	117
31B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
32A	SD 15418	90.00 DF	3.00 LB/AC	PRE	88	92	0	88	92	75	90	0	75	90	126
32B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
33A	CYANAZINE	80.00 WP	3.00 LB/AC	PRE	90	98	0	90	98	85	95	0	85	95	109
33B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
34A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	88	88	0	88	88	80	92	0	80	92	116
34B	GLYPHOSATE	4.00 E	1.50 LB/AC	PRE											
35A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	75	92	0	75	92	60	90	0	60	90	124
35B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
35C	SC 0224	4.00 LC	2.00 LB/AC	PRE											
36A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	78	95	0	78	95	75	98	0	75	98	125
36B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
36C	SC 0224	4.00 LC	1.50 LB/AC	PRE											
37A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	75	100	0	75	100	75	98	0	75	98	117
37B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
37C	SC 0224	4.00 LC	.75 LB/AC	PRE											
38A	R-40244	2.00 E	1.00 LB/AC	PRE	80	95	25	80	95	75	98	18	75	98	102
38B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
38C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
38D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
39A	R-40244	2.00 E	2.00 LB/AC	PRE	88	100	28	88	100	88	96	20	88	98	114
39B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
39C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
39D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
40	R-40244	2.00 E	1.00 LB/AC	PRE	70	90	0	70	90	72	88	0	72	88	102
41	R-40244	2.00 E	2.00 LB/AC	PRE	90	100	18	90	100	78	100	5	78	100	111
42A	R-40244	2.00 E	1.00 LB/AC	PRE	78	98	20	78	100	65	98	15	65	98	111
42B	SC 0224	4.00 LC	2.00 LB/AC	PRE											
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	95	0	85	95	78	95	0	78	95	114
43B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
43C	HOE 661	1.67 E	.25 LB/AC	PRE											
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	95	0	85	95	82	95	0	82	95	115
44B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
44C	HOE 661	1.67 E	.50 LB/AC	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2005 NO-TILL CORN IN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 28 GRAS	JUNE 28 BRLE	JUNE 28 CRIN	JUNE 28 LACG	JUNE 28 RRPW	JULY 28 GRAS	JULY 28 BRLE	JULY 28 CRIN	JULY 28 LACG	JULY 28 RRPW	10/1 YLD
45A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	88	95	0	88	95	85	90	0	95	90	120
45B	CYANAZINE	4.00 L	2.00 LB/AC	PRE											
45C	ATRAZINE	4.00 L	1.00 LB/AC	PRE											
45D	PARAQUAT	2.00 E	.25 LB/AC	PRE											
45E	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
46A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	90	98	0	90	98	82	95	0	82	95	119
46B	CYANAZINE	4.00 L	2.00 LB/AC	PRE											
46C	ATRAZINE	4.00 L	1.00 LB/AC	PRE											
46D	PARAQUAT	2.00 E	.25 LB/AC	PRE											
46E	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	78	98	0	78	98	72	90	0	72	90	114
47B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
47C	NC 28260	95.00 WP	1.00 LB/AC	PRE											
47D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE											
48A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	82	95	0	82	95	78	98	0	78	98	130
48B	ATRAZINE	4.00 L	1.50 LB/AC	PRE											
48C	NC 28260	95.00 WP	2.00 LB/AC	PRE											
48D	SURFACTANT (TWEEN 20	.00 WA	1.00 %	PRE											
			LSD(05):		12	7	7	12	7	15	15	6	16	10	20

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.4 O.M.: 4.5%
DATE PLANTED: MAY 10 DATE TREATED: JUNE 2 EP
VARIETY: PIONEER 3369A JUNE 11 MP
EP 0-2", MP 2-4" WEEDS.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2009 CORN NO-TILL STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 10 GRAS	JUNE 10 BRLE	JUNE 10 CRIN	JUNE 10 LACG	JUNE 10 RRPW	JULY 9 GRAS	JULY 9 BRLE	JULY 9 CRIN	JULY 9 LACG	JULY 9 RRPW	10/1 YLD
1A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	90	95	0	90	95	85	92	0	85	92	120
1B	ALACHLOR	4.00 E	2.50 LB/AC	PRE											
1C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
1D	SURFACTANT (X-77)	.50 WA	.50 %	PRE											
2A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	82	92	0	82	92	75	90	0	75	90	122
2B	CYANAZINE	4.00 L	2.00 LB/AC	PRE											
2C	ATRAZINE	4.00 L	1.00 LB/AC	PRE											
2D	PARAQUAT	2.00 E	.25 LB/AC	PRE											
2E	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
3A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	88	95	0	88	95	80	88	0	80	88	125
3B	ATRAZINE	4.00 L	1.00 LB/AC	PRE											
3C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
3D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
4A	METOLACHLOR	8.00 E	2.00 LB/AC	PRE	88	90	0	88	90	82	85	0	82	85	108
4B	CYANAZINE	4.00 L	2.50 LB/AC	PRE											
4C	PARAQUAT	2.00 E	.25 LB/AC	PRE											
4D	SURFACTANT (X-77)	.50 WA	.25 %	PRE											
5A	SD 15418	90.00 DF	3.00 LB/AC	2WK	85	90	0	85	90	75	85	0	75	85	105
5B	ATRAZINE	4.00 L	1.50 LB/AC	2WK											
6A	CYANAZINE II	90.00 DF	3.00 LB/AC	2WK	68	88	0	68	88	65	82	0	68	82	106
6B	ATRAZINE	4.00 L	1.50 LB/AC	2WK											
7A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	60	90	0	60	90	52	88	0	52	88	105
7B	METOLACHLOR	8.00 E	2.00 LB/AC	2WK											
8A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	62	88	0	62	88	60	72	0	60	72	107
8B	ALACHLOR	4.00 E	2.00 LB/AC	2WK											
9A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	62	88	0	62	88	58	82	0	58	82	114
9B	ATRAZINE	90.00 WDG	.80 LB/AC	2WK											
10A	CYANAZINE	4.00 L	2.50 LB/AC	2WK	70	85	0	70	85	65	78	0	65	78	107
10B	ATRAZINE	4.00 L	.40 LB/AC	2WK											
11A	CYANAZINE	4.00 L	2.60 LB/AC	2WK	70	88	0	70	88	50	80	0	50	80	99
11B	MD 70434	50.00 WP	.38 LB/AC	2WK											
12A	CYANAZINE	4.00 L	2.40 LB/AC	2WK	75	85	0	75	85	65	80	0	65	80	112
12B	MD 70434	50.00 WP	.60 LB/AC	2WK											
13	CYANAZINE	4.00 L	2.40 LB/AC	2WK	48	70	0	48	70	42	60	0	42	68	88

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2009 CORN NO-TILL STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 10 GRAS	JUNE 10 BRLE	JUNE 10 CRIN	JUNE 10 LACG	JUNE 10 RRPW	JULY 9 GRAS	JULY 9 BRLE	JULY 9 CRLV	JULY 9 LACG	JULY 9 RRPW	10/1 YLD
14A	CYANAZINE	4.00 L	2.60 LB/AC	PRE	88	95	0	88	85	82	80	0	82	80	120
14B	MO 70434	50.00 WP	.38 LB/AC	PRE											
15A	CYANAZINE	4.00 L	2.40 LB/AC	PRE	90	100	0	90	100	88	92	0	88	92	112
15B	MO 70434	50.00 WP	.60 LB/AC	PRE											
16	CYANAZINE	4.00 L	2.40 LB/AC	PRE	82	90	0	82	90	75	88	0	75	88	102
17A	SD 15418	90.00 DF	3.00 LB/AC	4WK	50	92	0	50	92	40	85	0	40	85	103
17B	ATRAZINE	90.00 WDG	1.00 LB/AC	4WK											
17C	PARAQUAT	2.00 E	.25 LB/AC	4WK											
17D	SURFACTANT (X-77)	.50 WA	.25 %	4WK											
18A	SD 15418	90.00 DF	3.00 LB/AC	4WK	50	95	0	50	95	45	92	0	45	92	115
18B	METOLACHLOR	8.00 E	2.00 LB/AC	4WK											
18C	GLYPHOSATE	4.00 E	1.50 LB/AC	4WK											
19A	SD 15418	90.00 DF	3.00 LB/AC	4WK	52	70	0	52	70	40	65	0	40	65	102
19B	ALACHLOR	4.00 E	2.00 LB/AC	4WK											
19C	2,4-D ESTER	4.00 E	1.00 LB/AC	4WK											
20A	CYANAZINE	4.00 L	3.00 LB/AC	4WK	25	80	0	25	80	20	80	0	20	80	110
20B	ATRAZINE	90.00 WDG	1.00 LB/AC	4WK											
20C	PARAQUAT	2.00 E	.25 LB/AC	4WK											
20D	SURFACTANT (X-77)	.50 WA	.25 %	4WK											
21A	CYANAZINE	4.00 L	3.00 LB/AC	4WK	65	88	0	65	88	62	82	0	62	82	96
21B	METOLACHLOR	8.00 E	2.00 LB/AC	4WK											
21C	GLYPHOSATE	4.00 E	1.50 LB/AC	4WK											
22A	CYANAZINE	4.00 L	3.00 LB/AC	4WK	48	72	0	48	72	40	70	0	40	70	93
22B	ALACHLOR	4.00 E	2.00 LB/AC	4WK											
22C	2,4-D ESTER	4.00 E	1.00 LB/AC	4WK											
23	CYANAZINE	4.00 L	3.50 LB/AC	4WK	35	65	0	35	65	32	62	0	32	62	92
24A	CYANAZINE	4.00 L	3.50 LB/AC	4WK	40	78	0	40	78	30	78	0	30	78	105
24B	ATRAZINE	4.00 L	.80 LB/AC	4WK											
			LSD(05):		20	15	NS	20	15	20	16	NS	20	16	20

LOCATION: SPINDLETOP FARM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K
DATE PLANTED: MAY 10
VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM
PH: 6.4 O.M.: 4.0%
DATE TREATED: APRIL 12 4WK PR PLNT
APRIL 25 2WK PR PLNT
MAY 10 PREEMERGENCE

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2035 CORN SEEDLING JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5-27 -- JOGR	CRIN	---6-10 -- JOGR	CRIN	---6-24 -- JOGR	CRIN	----7-7 -- JOGR	CRIN	---7-22 -- JOGR	CRIN	10/1 YLD
1	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	98	0	88	0	78	0	78	0	136
2	BUTYLATE + R-25788	6.70 E	6.00 LB/AC	PPI	100	0	100	0	92	0	88	0	82	0	134
3	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	98	0	95	0	92	0	140
4	EPTC + R-25788	6.70 E	6.00 LB/AC	PPI	100	0	100	0	98	0	98	0	98	0	136
5A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	100	0	88	0	80	0	90	0	136
5B	WITH R-33865	1.00	.67	PPI											
6A	BUTYLATE PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	0	98	0	90	0	85	0	85	0	144
6B	WITH R-33865	1.00	1.00	PPI											
7A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	100	0	100	0	100	0	100	0	124
7B	WITH R-33865	1.00	.67	PPI											
8A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	0	100	2	100	0	100	0	100	0	138
8B	WITH R-33865	1.00	1.00	PPI											
9	ALACHLOR	4.00 E	3.00 LB/AC	PPI	100	0	78	0	62	0	42	0	45	0	137
10	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	0	92	0	78	0	58	0	70	0	138
11	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	100	0	90	0	78	0	52	0	65	0	145
12	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	100	0	88	0	70	0	58	0	60	0	120
13A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	95	0	98	0	95	0	100	0	124
13B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY											
14A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	100	0	100	0	100	0	132
14B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY											
15A	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	0	90	0	90	0	90	0	90	0	124
15B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY											
16A	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	100	0	95	0	92	0	90	0	88	0	132
16B	TRIFLURALIN	4.00 E	1.00 LB/AC	LBY											
17A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	95	0	95	0	92	0	92	0	130
17B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY											
18A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	100	0	100	0	100	0	142
18B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY											
19A	ALACHLOR	4.00 E	4.00 LB/AC	PPI	100	0	88	0	90	0	80	0	78	0	147
19B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2035 CORN SEEDLING JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	5-27 JOGR	5-27 CRIN	6-10 JOGR	6-10 CRIN	6-24 JOGR	6-24 CRIN	7-7 JOGR	7-7 CRIN	7-22 JOGR	7-22 CRIN	10/1 YLD
20A	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	100	0	92	0	95	0	92	0	92	0	127
20B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY											
21A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	100	0	65	0	82	0	70	0	68	0	132
21B	PENDIMETHALIN	4.00 E	1.50 LB/AC	LBY											
22	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	100	0	60	0	40	0	28	0	25	0	119
23	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0	68	0	58	0	42	0	133
24	CHECK (UNCULTIVATED)	.00 CK	.00		100	0	0	0	0	0	0	0	0	0	107
25A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	100	0	100	2	100	0	98	0	92	0	131
25B	SC 7432	.95 E	.66 LB/AC	PPI											
26A	EPTC + R-25788	5.70 E	6.00 LB/AC	PPI	100	0	100	0	100	0	98	0	95	0	143
26B	SC 7432	.95 E	1.00 LB/AC	PPI											
				LSD(05):	NS	NS	8	NS	9	NS	15	NS	9	NS	NS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.3 O.M.: 4.0%
DATE PLANTED: MAY 13 DATE TREATED: MAY 13 PPI & PRE
VARIETY: PIONEER 3369A JUNE 12 LBY

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2010 CORN PREEMERGENCE EXP II

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 5.9 O.M.: 4.1%
DATE PLANTED: MAY 3 DATE TREATED: MAY 3 PREEMERGENCE
VARIETY: PIONEER 3369A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2006 CORN YELLOW NUTSEDGE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YEWS	CRIN	---7/11 -- YEWS	CRIN	9/27 YLD
1	ALACHLOR	4.00 E	3.00 LB/AC	PPI	95	0	88	0	78
2	ALACHLOR	4.00 E	4.00 LB/AC	PPI	98	0	90	0	81
3	ALACHLOR	4.00 E	3.00 LB/AC	PRE	80	0	65	0	81
4	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	95	0	92	0	74
5	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	95	0	92	0	78
6	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	98	0	95	0	82
7	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	85	0	75	0	75
8	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	85	0	70	0	77
9	CP 55097	8.00 EC	2.50 LB/AC	PPI	100	0	92	0	80
10	CP 55097	8.00 EC	3.00 LB/AC	PPI	98	0	92	0	79
11A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	92	0	80	0	81
11B	ATRAZINE	4.00 L	3.00 LB/AC	EP					
11C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP					
12A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	80	0	70	0	85
12B	ATRAZINE	4.00 L	1.00 LB/AC	EP					
12C	M-4127	4.00 E	.75 LB/AC	EP					
12D	CROP OIL (SUN 11E)	.00 AD	.50 QT/AC	EP					
13A	EPTC + R-25788	6.70 E	4.00 LB/AC	PPI	98	0	95	0	77
13B	ATRAZINE	4.00 L	1.50 LB/AC	PPI					
14A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	92	0	79
14B	WITH R-33865	1.00	.67	PPI					
14C	ATRAZINE	4.00 L	1.50 LB/AC	PPI					
15A	EPTC + R-25788	5.70 E	4.00 LB/AC	PPI	100	0	98	0	81
15B	SC 7432	.95 E	.66 LB/AC	PPI					
15C	ATRAZINE	4.00 L	1.50 LB/AC	PPI					
16A	EPTC + R-25788	5.70 E	6.00 LB/AC	PPI	100	0	98	0	83
16B	SC 7432	.95 E	1.00 LB/AC	PPI					
16C	ATRAZINE	4.00 L	1.50 LB/AC	PPI					
17A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	90	0	75	0	74
17B	ATRAZINE	4.00 L	1.50 LB/AC	PPI					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2006 CORN YELLOW NUTSEDGE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YEVS	CRIN	---7/11 -- YENS	CRIN	9/27 YLD
18A	VERNOLATE+ PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	90	0	91
18B	WITH R-33865	1.00	.67	PPI					
18C	ATRAZINE	4.00 L	1.50 LB/AC	PPI					
19A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	98	0	92	0	80
19B	WITH R-33865	1.00	.66	PPI					
19C	ATRAZINE	4.00 L	1.50 LB/AC	PPI					
20A	BENTAZON	4.00 E	1.00 LB/AC	MP	100	0	98	0	45
20B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP					
21A	BENTAZON	4.00 E	1.00 LB/AC	LP	92	0	82	0	51
21B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
22	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0	88
				LSD(05):	8	NS	10	NS	21

LOCATION: SPINDLETOP SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.3 O.M.: 2.8%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PRE &PPI
VARIETY: PIONEER 3369A MAY 24 EP
JUNE 3 MP

JUNE 9 LP. EP 2LF, MP 4LF, LP 6LF.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2008 CORN YELLOW NUTSEDGE PROTECTED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YENS	CRIN	---7/11 -- YENS	CRIN	9/27 YLD
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	82	0	97
1B	MBR 20457	4.00 S	1.50 LB/AC	PRE					
1C	PROTECT	.00 WA	1.00 %	SED					
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	82	0	116
2B	MBR 20457	4.00 S	2.00 LB/AC	PRE					
2C	PROTECT	.00 WA	1.00 %	SED					
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	95	0	109
3B	MBR 20457	4.00 S	3.00 LB/AC	PRE					
3C	PROTECT	.00 WA	1.00 %	SED					
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	100	0	117
4B	MBR 20457	4.00 S	4.00 LB/AC	PRE					
4C	PROTECT	.00 WA	1.00 %	SED					
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	0	85	0	89
5B	MBR 23709	2.00 S	1.50 LB/AC	PRE					
5C	PROTECT	.00 WA	1.00 %	SED					
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	82	0	87
6B	MBR 23709	2.00 S	2.00 LB/AC	PRE					
6C	PROTECT	.00 WA	1.00 %	SED					
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	90	0	99
7B	MBR 23709	2.00 S	3.00 LB/AC	PRE					
7C	PROTECT	.00 WA	1.00 %	SED					
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	88	0	94
8B	MBR 23709	2.00 S	4.00 LB/AC	PRE					
8C	PROTECT	.00 WA	1.00 %	SED					
9A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	88	0	85
9B	MBR 22359	2.00 E	1.50 LB/AC	PRE					
9C	PROTECT	.00 WA	1.00 %	SED					
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	80	0	98
10B	MBR 22359	2.00 E	2.00 LB/AC	PRE					
10C	PROTECT	.00 WA	1.00 %	SED					
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	98	0	85	0	117
11B	MBR 22359	2.00 E	3.00 LB/AC	PRE					
11C	PROTECT	.00 WA	1.00 %	SED					
12A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	0	95	0	113
12B	MBR 22359	2.00 E	4.00 LB/AC	PRE					
12C	PROTECT	.00 WA	1.00 %	SED					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2008 CORN YELLOW NUTSEDGE PROTECTED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/11 -- YENS	CRIN	---7/11 -- YENS	CRIN	9/27 YLD
13A	ATRAZINE	4.00 L	1.50 LB/AC	EP	100	22	92	22	88
13B	MBR 23709	2.00 S	2.00 LB/AC	EP					
13C	PROTECT	.00 WA	1.00 %	SED					
14	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0	107
			LSD(05):		5	2	11	2	NS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.0 O.M.: 2.8%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONEER 3369A MAY 26 EP
EP 2LF.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2007 CORN YELLOW NUTSEDGE NON-PROTECTED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/11 -- YEWS	CRIN	---7/11 -- YEWS	CRIN	9/27 YLD
1A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	72	0	100
1B	MBR 20457	4.00 S	1.50 LB/AC	PRE					
2A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	0	70	0	97
2B	MBR 20457	4.00 S	2.00 LB/AC	PRE					
3A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	85	0	110
3B	MBR 20457	4.00 S	3.00 LB/AC	PRE					
4A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	82	0	111
4B	MBR 20457	4.00 S	4.00 LB/AC	PRE					
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	0	75	0	100
5B	MBR 23709	2.00 S	1.50 LB/AC	PRE					
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	78	0	58	0	112
6B	MBR 23709	2.00 S	2.00 LB/AC	PRE					
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	78	0	102
7B	MBR 23709	2.00 S	3.00 LB/AC	PRE					
8A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	0	80	0	102
8B	MBR 23709	2.00 S	4.00 LB/AC	PRE					
9A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	85	0	65	0	109
9B	MBR 22359	2.00 E	1.50 LB/AC	PRE					
10A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	70	0	116
10B	MBR 22359	2.00 E	2.00 LB/AC	PRE					
11A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	92	0	75	0	91
11B	MBR 22359	2.00 E	3.00 LB/AC	PRE					
12A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	88	0	75	0	107
12B	MBR 22359	2.00 E	4.00 LB/AC	PRE					
13A	BENTAZON	4.00 E	1.00 LB/AC	MP	95	0	80	0	85
13B	OIL CONCENTRATE	.00 AO	1.00 QT/AC	MP					
14	CHECK (CULTIVATED)	.00 CK	.00		100	0	100	0	101
			LSD(05):		9	NS	11	NS	NS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2007 CORN YELLOW NUTSEDGE NON-PROTECTED

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 200 N, 60 P, 60 K PH: 6.0 O.M.: 2.8%
DATE PLANTED: MAY 4 DATE TREATED: MAY 4 PREEMERGENCE
VARIETY: PIONEER 3369A JUNE 3 MP
0

MP 4LF.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE AP013 SOYBEAN PREPLANT INCORPORATED RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH	JUNE 30 CRTH	GIEI	JIWE	COLQ	CJCB	IAMA	VSLE	PESN	9/17 YLD
1A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	2	98	58	78	82	28	78	100	35
1B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	2	92	52	95	68	25	85	100	22
2B	METRIBUZIN 1 OR 2	50.00 WP	.50 LB/AC	PPI									
3A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	0	95	18	82	65	72	75	85	20
3B	METRIBUZIN 2	75.00 DF	.50 LB/AC	PPI									
4A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	0	88	65	82	80	60	70	100	23
4B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
4C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
5A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	0	95	40	82	40	60	75	90	21
5B	NAMPA/DN	3.00 E	3.00 LB/AC	PRE									
5C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
6A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	2	92	48	88	70	70	72	100	25
6B	NAMPA/DN	3.00 E	3.00 LB/AC	PRE									
6C	METRIBUZIN 1	4.00 F	.38 LB/AC	PRE									
7A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	0	95	68	98	100	28	90	92	26
7B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
7C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	2	92	70	90	80	28	60	100	24
8B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
8C	METRIBUZIN 1	4.00 F	.25 LB/AC	PRE									
9	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	0	90	20	58	62	22	22	45	20
10	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	0	92	18	62	30	38	40	50	15
11A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	5	88	35	82	60	42	90	58	15
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
12A	PENDIMETHALIN	60.00 DG	1.00 LB/AC	PPI	2	88	25	80	78	45	50	70	19
12B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
13A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	5	98	55	75	50	75	32	80	24
13B	NAMPA/DN	3.00 E	4.50 LB/AC	PRE									
14A	VERNOLATE	7.00 E	2.50 LB/AC	PPI	20	92	100	100	92	100	100	100	33
14B	ACIFLUORFEN	2.00 E	.50 LB/AC	POST									
15A	VERNOLATE	7.00 E	4.00 LB/AC	PPI	28	100	100	100	100	100	100	100	28
15B	ACIFLUORFEN	2.00 E	.50 LB/AC	POST									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2013 SOYBEAN PREPLANT INCORPORATED RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIV	GIEI	IIWE	COLQ	COCA	IAMA	VELE	PESN	9/17 YLD
16A	VERNOLATE	7.00 E	6.00 LB/AC	PPI	32	100	100	100	95	98	100	100	32
16B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
17	SC 7829	25.00 WP	1.00 LB/AC	PPI	2	78	40	38	60	22	68	52	17
18	SC 7829	25.00 WP	2.00 LB/AC	PPI	2	85	38	45	72	35	60	48	20
19	SC 7829	25.00 WP	3.00 LB/AC	PPI	8	85	25	65	55	28	50	42	20
20A	SC 7829	25.00 WP	1.00 LB/AC	PPI	0	75	55	65	52	40	70	100	16
20B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI									
21A	SC 7829	25.00 WP	2.00 LB/AC	PPI	2	88	55	70	62	22	78	100	15
21B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI									
22A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	10	90	100	78	95	98	100	100	36
22B	BENTAZON	4.00 E	.75 LB/AC	LP									
22C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP									
22D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
23	NAPROPAMIDE	50.00 WP	2.00 LB/AC	PPI	0	85	5	45	50	30	30	32	20
24	R-40244	2.00 E	.25 LB/AC	PPI	0	5	8	18	12	5	10	10	9
25	SD 95481	2.00 EC	.50 LB/AC	PPI	10	95	5	15	60	5	20	22	9
26	SD 95481	2.00 EC	1.00 LB/AC	PPI	2	92	10	42	72	10	52	82	14
27A	SD 95481	2.00 EC	.50 LB/AC	PPI	2	88	0	70	72	10	90	88	18
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI									
28	FOE 2492	50.00 WP	2.00 LB/AC	PPI	2	90	15	5	48	18	10	28	9
29	FOE 2602	4.00 E	1.50 LB/AC	PPI	0	92	5	0	42	25	35	2	15
30	FOE 2602	4.00 E	2.00 LB/AC	PPI	0	98	12	42	58	32	30	70	25
31	DPX A5967	75.00 WP	.13 LB/AC	PPI	0	70	5	75	62	30	68	100	14
32	DPX A5969	75.00 WP	.06 LB/AC	PPI	0	32	52	82	50	25	40	100	11
33	DPX A5969	75.00 WP	.13 LB/AC	PPI	0	48	55	95	98	55	88	100	15
34A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	0	92	10	78	50	50	65	100	19
34B	DPX A5967	75.00 WP	.06 LB/AC	PPI									
35A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	2	92	8	80	52	95	52	75	13
35B	DPX A5967	75.00 WP	.13 LB/AC	PPI									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2013 SOYBEAN PREPLANT INCORPORTATED RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 30 CRIN	GIFI	JIMI	COLO	COCK	IAMI	VELE	PEAR	9/17 YLD
36A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	0	90	30	90	90	60	50	100	22
36B	DPX A5969	75.00 WP	.06 LB/AC	PPI									
37A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	5	98	50	92	60	60	80	100	21
37B	DPX A5969	75.00 WP	.13 LB/AC	PPI									
38A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	5	90	15	82	95	45	88	100	23
38B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
38C	DPX A5967	75.00 WP	.06 LB/AC	PPI									
39A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	2	95	20	82	82	48	85	100	20
39B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
39C	DPX A5967	75.00 WP	.13 LB/AC	PPI									
40A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	2	90	52	85	82	55	80	92	27
40B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
40C	DPX A5969	75.00 WP	.06 LB/AC	PPI									
41A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	5	95	60	95	85	62	95	100	28
41B	METRIBUZIN 2	4.00 L	.38 LB/AC	PPI									
41C	DPX A5969	75.00 WP	.13 LB/AC	PPI									
42	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100	100	33
			LSD(05):		3	9	21	21	34	25	29	27	5

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 5 DATE TREATED: MAY 5 PREEMERGENCE
VARIETY: WILLIAMS MAY 5 PPI
JUNE 2 MP & LP

MP 2-4", LP 4-6" WEEDS.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2014 SOYBEAN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRTV	SIET	COLO	ILMG	IAMG	VELE	PERM	JIAE	9/17 YLD
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	80	85	85	92	92	100	29
1B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	100	82	82	95	98	100	34
2B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
2C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	90	90	90	90	88	92	100	31
3B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
3C	TRITON AG 98 SURFACT	.00 NA	.12 %	MP									
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	95	88	88	50	100	100	32
4B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	92	100	90	90	88	100	100	33
5B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
5C	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	95	90	90	95	100	100	34
6B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
6C	TRITON AG 98 SURFACT	.00 WA	.12 %	MP									
7A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	91	91	98	98	95	100	100	35
7B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
7C	BENTAZON	4.00 E	.50 LB/AC	MP									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	100	90	90	100	100	100	35
8B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
8C	BENTAZON	4.00 E	.75 LB/AC	MP									
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	85	70	70	95	100	100	27
9B	BENTAZON	4.00 E	.75 LB/AC	MP									
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	95	95	98	100	100	31
10B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP									
10C	BENTAZON	4.00 E	.50 LB/AC	MP									
10D	OIL CONCENTRATE	.00 AD	.50 QT/AC	MP									
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	70	85	85	85	92	100	100	30
11B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP									
11C	BENTAZON	4.00 E	.50 LB/AC	MP									
11D	2,4-DB	2.00 E	.03 LB/AC	MP									
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	80	50	50	65	58	100	26
12B	R4-0263	2.00 E	.06 LB/AC	EP									
12C	TRITON AG 98 SURFACT	.00 NA	.12 %	EP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2014 SOYBEAN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRTY	GIFT	COLU	ILMG	IAMG	VELE	PERW	TIME	9/17 YLD
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	98	55	55	90	92	100	26
13B	RH-0265	2.00 E	.12 LB/AC	EP									
13C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP									
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	92	38	38	62	100	98	28
14B	RH 0043	2.00 EC	.03 LB/AC	EP									
14C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP									
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	68	35	35	70	85	100	22
15B	RH 0043	2.00 EC	.06 LB/AC	EP									
15C	TRITON AG 98 SURFACT	.00 WA	.12 %	EP									
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	88	94	75	75	92	100	95	25
16B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
16C	RH-0265	2.00 E	.06 LB/AC	EP									
17A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	98	75	75	98	100	100	30
17B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
17C	RH-0265	2.00 E	.12 LB/AC	EP									
18A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	92	85	85	95	100	100	29
18B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
18C	RH 0043	2.00 EC	.03 LB/AC	EP									
19A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	98	68	68	90	100	100	28
19B	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
19C	RH 0043	2.00 EC	.06 LB/AC	EP									
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	100	70	70	100	100	100	32
20B	BENTAZON	4.00 E	.75 LB/AC	EP									
20C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
21A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	100	95	95	98	100	100	28
21B	BENTAZON	4.00 E	.75 LB/AC	MP									
21C	2,4-DB	2.00 E	.03 LB/AC	MP									
22A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	95	92	92	75	100	100	33
22B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
22C	2,4-DB	2.00 E	.03 LB/AC	MP									
23A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	****** NO DATA FOUND ******								
23B	ACIFLUORFEN	2.00 E	.38 LB/AC	MP									
23C	BENTAZON	4.00 E	.50 LB/AC	MP									
24A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	95	95	95	95	92	100	96	37
24B	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
24C	BENTAZON	4.00 E	.50 LB/AC	MP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2014 SOYBEAN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRIV	GIEI	COLO	ILMG	IAMG	VELE	PERW	JIAE	9/17 YLD
25A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	100	98	98	100	100	100	31
25B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP									
25C	BENTAZON	4.00 E	.75 LB/AC	MP									
26A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	75	98	60	60	75	95	100	27
26B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
26C	SURFACTANT (X-77)	.50 WA	.25 %	POD									
27A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	100	28	28	100	100	100	29
27B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
27C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD									
27D	SURFACTANT (X-77)	.50 WA	.25 %	POD									
28A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	45	60	100	100	100	30
28B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
28C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
28D	SURFACTANT (X-77)	.50 WA	.25 %	POD									
29A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	100	100	100	98	100	100	29
29B	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
29C	2,4-DB	2.00 E	.20 LB/AC	POD									
30A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	100	95	95	100	100	100	28
30B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
30C	METRIBUZIN 1	4.00 F	.25 LB/AC	POD									
30D	2,4-DB	2.00 E	.20 LB/AC	POD									
31A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	95	95	100	100	100	32
31B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
31C	METRIBUZIN 1	4.00 F	.50 LB/AC	POD									
31D	2,4-DB	2.00 E	.20 LB/AC	POD									
32A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	100	100	100	75	88	100	33
32B	LINURON	4.00 L	1.00 LB/AC	POD									
32C	2,4-DB	2.00 E	.20 LB/AC	POD									
33A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	70	100	75	75	100	100	100	17
33B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE									
33C	BENTAZON	4.00 E	.75 LB/AC	MP									
33D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
34A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	88	90	58	58	72	100	100	31
34B	BENTAZON	4.00 E	.50 LB/AC	MP									
34C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
35A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	98	72	72	100	100	100	28
35B	BENTAZON	4.00 E	.75 LB/AC	MP									
35C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2014 SOYBEAN POSTEMERGENCE RATING IT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	JULY 13 CRIN	SIDI	COLQ	ILMG	IAMG	VECC	PERA	AMAE	9/17 YLD
36A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	88	80	92	92	90	100	100	31
36B	MC 10978	2.00 S	.50	LB/AC	MP									
37A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	80	88	92	92	100	100	100	33
37B	MC 10978	2.00 S	.25	LB/AC	MP									
37C	BENTAZON	4.00 E	.75	LB/AC	MP									
38A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	90	100	98	98	95	98	100	34
38B	MC 10978	2.00 S	.50	LB/AC	MP									
38C	BENTAZON	4.00 E	.50	LB/AC	MP									
39A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	92	92	98	98	98	100	100	37
39B	MC 10978	2.00 S	.75	LB/AC	MP									
39C	BENTAZON	4.00 E	.25	LB/AC	MP									
40A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	90	90	95	95	68	100	100	35
40B	MC 10978	2.00 S	.75	LB/AC	MP									
41A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	82	95	88	88	70	100	100	33
41B	MC 10978	2.00 S	.50	LB/AC	MP									
41C	2,4-DB	2.00 E	.03	LB/AC	MP									
42A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	85	82	95	95	38	95	100	30
42B	MC 10978	2.00 S	.50	LB/AC	MP									
42C	2,4-DB	2.00 E	.06	LB/AC	MP									
43A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	78	48	55	55	25	35	55	26
43B	2,4-DB	2.00 E	.03	LB/AC	MP									
44A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	80	68	70	70	20	18	98	28
44B	2,4-DB	2.00 E	.06	LB/AC	MP									
45A	ALACHLOR	4.00 E	2.00	LB/AC	COD	0	82	62	25	25	65	100	100	28
45B	PPG-844	2.00 E	.15	LB/AC	COD									
46A	ALACHLOR	4.00 E	2.00	LB/AC	COD	0	82	90	45	45	85	100	100	28
46B	PPG-844	2.00 E	.15	LB/AC	COD									
46C	SURFACTANT (X-77)	.50 VA	.25	%	COD									
47A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	92	100	100	100	95	100	100	36
47B	BENAZOLIN	4.00 E	.25	LB/AC	EP									
47C	ACIFLUORFEN	2.00 E	.25	LB/AC	EP									
48A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	0	75	95	10	10	100	100	100	28
48B	BENAZOLIN	4.00 E	.25	LB/AC	EP									
48C	BENTAZON	4.00 E	.25	LB/AC	EP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2014 SOYBEAN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 13 CRIN	GIFI	COLQ	ILMG	IAMG	VELE	PERA	JIAE	9/17 YLD
49A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	92	48	48	98	100	100	27
49B	BENAZOLIN	4.00 F	.25 LB/AC	LP									
49C	BENTAZON	4.00 E	.25 LB/AC	LP									
50A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	100	8	8	98	90	100	25
50B	BENAZOLIN	4.00 F	.25 LB/AC	EP									
50C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
51A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	100	42	42	98	85	100	22
51B	BENAZOLIN	4.00 F	.38 LB/AC	EP									
51C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
52A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	100	18	18	100	100	100	22
52B	BENAZOLIN	4.00 F	.50 LB/AC	EP									
52C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
53A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	68	85	15	15	65	58	100	24
53B	BENAZOLIN	4.00 F	.25 LB/AC	LP									
53C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
54A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	65	88	30	30	80	80	100	24
54B	BENAZOLIN	4.00 F	.38 LB/AC	LP									
54C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
55A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	8	78	100	12	12	100	98	100	24
55B	BENAZOLIN	4.00 F	.50 LB/AC	LP									
55C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP									
56A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	72	85	30	30	95	82	100	24
56B	BENAZOLIN	4.00 F	.25 LB/AC	EP									
57A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	80	82	25	25	92	100	100	21
57B	BENAZOLIN	4.00 F	.25 LB/AC	LP									
58A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	100	58	58	100	100	100	29
58B	BENAZOLIN	4.00 F	.25 LB/AC	EP									
58C	ACIFLUORFEN	2.00 E	.25 LB/AC	EP									
59A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	72	100	30	30	82	100	96	32
59B	DPX A5969	75.00 WP	.02 LB/AC	CR									
59C	SURFACTANT (X-77)	.50 VA	.25 %	CR									
60A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	92	55	55	95	100	100	29
60B	DPX A5969	75.00 WP	.03 LB/AC	CR									
60C	SURFACTANT (X-77)	.50 VA	.25 %	CR									
61A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	75	100	65	65	92	100	100	31
61B	DPX A5969	75.00 WP	.06 LB/AC	CR									
61C	SURFACTANT (X-77)	.50 VA	.25 %	CR									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2014 SOYBEAN POSTEMERGENCE RATING JT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL TIM	JULY 13 CRIN	JULY 13 GIFI	JULY 13 COLQ	JULY 13 ILMG	JULY 13 IAMG	JULY 13 VELS	JULY 13 PESA	JULY 13 JIAE	9/17 YLD
62A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	92	100	88	88	100	100	100	37
62B	DPX A5969	75.00 WP	.13 LB/AC	CR									
62C	SURFACTANT (X-77)	.50 WA	.25 %	CR									
63A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	82	98	68	68	100	100	100	34
63B	DPX A5969	75.00 WP	.02 LB/AC	1TR									
63C	SURFACTANT (X-77)	.50 WA	.25 %	1TR									
64A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	82	100	78	78	100	100	98	32
64B	DPX A5969	75.00 WP	.03 LB/AC	1TR									
64C	SURFACTANT (X-77)	.50 WA	.25 %	1TR									
65A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	5	75	100	90	90	100	100	100	28
65B	DPX A5969	75.00 WP	.06 LB/AC	1TR									
65C	SURFACTANT (X-77)	.50 WA	.25 %	1TR									
66A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	85	90	65	65	100	100	95	34
66B	DPX A5969	75.00 WP	.02 LB/AC	1TR									
67A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	82	100	60	60	95	100	100	32
67B	DPX A5969	75.00 WP	.03 LB/AC	1TR									
68A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	2	72	90	58	58	58	100	52	32
68B	DPX A5969	75.00 WP	.03 LB/AC	3TR									
68C	SURFACTANT (X-77)	.50 WA	.25 %	3TR									
69A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	78	78	52	52	78	100	48	29
69B	DPX A5969	75.00 WP	.03 LB/AC	3TR									
70A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	0	65	100	85	85	100	100	100	30
70B	BENTAZON	4.00 E	1.00 LB/AC	MP									
70C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
71A	PENDIMETHALIN	60.00 DG	1.25 LB/AC	PPI	2	72	100	88	88	100	100	100	25
71B	BENTAZON	4.00 E	1.00 LB/AC	MP									
71C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
72	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	0	100	0	0	0	0	0	0	16
73A	SETHOXYDIM	1.53 EC	.20 LB/AC	MP	0	100	0	0	0	0	0	0	22
73B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
74A	PPG-844	2.00 E	.25 LB/AC	PP	5	100	72	80	80	100	100	90	30
74B	SETHOXYDIM	1.53 EC	.25 LB/AC	PP									
74C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	PP									
75A	PPG-844	2.00 E	.25 LB/AC	PP	12	95	82	72	72	95	80	100	27
75B	SETHOXYDIM	1.53 EC	.25 LB/AC	PP									
75C	2,4-DB	2.00 E	.03 LB/AC	PP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2014 SOYBEAN POSTEMERGENCE RATING II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL. METH	JULY 13 CRIN	GIFT	COLQ	ILMG	IAMG	VELE	PERW	JIAE	9/17 YLD
76	PPG 1013	1.00 E	.02 LB/AC	EP	0	0	88	62	62	100	100	100	12
77	PPG 1013	1.00 E	.04 LB/AC	EP	0	10	100	88	88	100	100	100	15
78A	MC 10978	2.00 S	.50 LB/AC	MP	0	90	55	95	95	98	100	100	34
78B	BENTAZON	4.00 E	.50 LB/AC	MP									
78C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
79A	MC 10978	2.00 S	.50 LB/AC	MP	0	98	90	88	88	98	90	100	32
79B	BENTAZON	4.00 E	.50 LB/AC	MP									
79C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
79D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
80A	MC 10978	2.00 S	.25 LB/AC	MP	0	80	50	88	88	95	100	100	32
80B	BENTAZON	4.00 E	.75 LB/AC	MP									
80C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
81A	MC 10978	2.00 S	.25 LB/AC	MP	0	95	92	90	90	100	98	100	34
81B	BENTAZON	4.00 E	.75 LB/AC	MP									
81C	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
81D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
82A	MC 10978	2.00 S	.50 LB/AC	MP	0	88	55	88	88	90	100	100	29
82B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
83A	MC 10978	2.00 S	.50 LB/AC	MP	0	100	82	92	92	90	90	100	29
83B	SETHOXYDIM	1.53 EC	.20 LB/AC	MP									
83C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
84	CHECK (CULTIVATED)	.00 CK	.00		0	100	100	100	100	100	100	100	40
			LSD(05):		4	13	19	20	20	22	17	8	6

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 6 DATE TREATED: MAY 10 CR & COD
VARIETY: WILLIAMS MAY 24 EP & ITR
MAY 29 MP

JUNE 2 LP, JUNE 3 POD, JUNE 4 STR
ED 0-2", MP 2-4", LP 4-6" WEEDS.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE 4202A SOYBEAN PREEMERGENCE & POSTEMERGENCE SUPPLEMENT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' BOLE	'A' CRIN	AUG 19 GIFI	AUG 19 IAMG	AUG 19 GIFI	AUG 19 IAMG	AUG 19 CRIN	10/1 YLD
1A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	32	18	100	28	92	8	0	28
1B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
2A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	48	20	100	48	98	12	0	32
2B	LINURON	4.00 L	1.00 LB/AC	PRE									
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	78	5	100	75	95	30	0	38
3B	DPX A5969	75.00 WP	.06 LB/AC	PRE									
4A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	10	100	88	92	72	0	43
4B	DPX A5969	75.00 WP	.13 LB/AC	PRE									
5A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	8	100	85	92	70	0	44
5B	DPX A5967	75.00 WP	.13 LB/AC	PRE									
6A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	85	20	100	85	92	62	0	41
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	100	92	10	100	92	95	72	0	40
7B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
7C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
8A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	88	35	100	88	92	55	5	37
8B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
8C	BANPAZON	3.00 E	1.50 LB/AC	EP									
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	75	20	92	72	92	62	0	38
9B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
9C	BASTALAN	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	98	82	8	98	82	98	60	0	39
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	93	90	12	92	80	95	60	0	39
11B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
11C	ACIFLUORFEN	2.00 E	.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	100	75	35	100	75	100	50	5	37
12B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
12C	BANPAZON	3.00 E	2.25 LB/AC	LP									
12D	2,4-DB	2.00 E	.03 LB/AC	LP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2026 SOYBEAN PREEMERGENCE & POSTEMERGENCE SUPPLEMENT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' BRLE	'A' CRBW	AUG 19 GIFT	AUG 19 IAMG	10/1 GIFT	10/1 IAMG	10/1 CRLV	10/1 YLD
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	98	18	5	98	12	95	8	0	30
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	100	85	22	100	85	90	50	0	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	100	90	12	100	90	98	60	0	38
15B	LINURON	4.00 L	1.00 LB/AC	PRE									
15C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
16A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	78	28	100	78	98	50	2	39
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	98	25	2	98	22	98	10	0	33
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	98	78	5	98	78	95	60	0	39
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	100	90	8	100	90	95	65	0	43
19B	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
20A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	75	18	100	75	92	40	0	38
20B	VANPAZON	3.00 E	1.50 LB/AC	EP									
21A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	52	12	100	50	100	18	0	33
21B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
22A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	88	12	100	88	98	65	0	39
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	100	90	12	100	90	98	72	0	40
23B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
23C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
24A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	82	28	100	82	100	48	0	39
24B	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
24C	VANPAZON	3.00 E	1.50 LB/AC	EP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2026 SOYBEAN PREEMERGENCE & POSTEMERGENCE SUPPLEMENT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' BRLE	'A' CRIN	'A' GIEI	'A' IAMG	AUG 19 GIEI	AUG 19 IAMG	AUG 19 CRIN	10/1 YLD
25A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	50	10	100	48	98	12	0	31
25B	LINURON	4.00 L	1.00 LB/AC	PRE									
26A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	98	88	12	98	88	95	68	0	38
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	100	88	12	100	88	98	60	0	39
27B	LINURON	4.00 L	1.00 LB/AC	PR									
27C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
28A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	90	30	100	90	100	65	5	38
28B	LINURON	4.00 L	1.00 LB/AC	PRE									
28C	NAMPAZON	3.00 E	1.50 LB/AC	EP									
29A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	85	5	100	85	98	60	0	40
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	98	90	0	98	90	98	65	0	43
30B	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
31A	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	100	62	12	100	60	100	25	0	34
31B	NAMPAZON	3.00 E	1.50 LB/AC	EP									
32A	SETHOXYDIM	1.53 EC	.20 LB/AC	EP	80	78	2	80	78	55	55	0	37
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	85	48	0	85	42	88	22	0	37
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	95	90	52	85	90	52	70	8	39
34B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
34C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
35A	SETHOXYDIM	1.53 EC	.30 LB/AC	MP	90	90	18	90	92	85	72	0	38
35B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
35C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
36A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	85	65	8	85	65	85	45	0	36
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	85	42	0	85	40	88	42	0	34
37B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
37C	BENTAZON	4.00 E	1.00 LB/AC	MP									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2026 SOYBEAN PREEMERGENCE & POSTEMERGENCE SUPPLEMENT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	'A' GRAS	'A' ABLE	'A' CRIN	AUG 19 GIEI	AUG 19 IAMG	AUG 19 GIEL	AUG 19 IAMG	AUG 19 CRIN	10/1 YLD
38A	FLUAZIFOP BUTYL	4.00 E	.20 LB/AC	EP	90	90	28	90	90	82	55	2	35
38B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
38C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
39A	FLUAZIFOP BUTYL	4.00 E	.30 LB/AC	MP	90	98	20	90	98	82	76	0	41
39B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
39C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
40A	DOWCO 453	2.00 E	.06 LB/AC	EP	88	80	0	88	72	75	42	0	36
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	90	52	0	90	45	90	42	0	39
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	92	80	28	92	90	75	65	2	37
42B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
42C	ACIFLUORFEN	2.00 E	.38 LB/AC	EP									
43A	DOWCO 453	2.00 E	.13 LB/AC	MP	90	92	10	90	92	90	80	0	39
43B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP									
43C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP									
44A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	42	62	2	42	62	30	52	0	35
44B	SURFACTANT (X-77)	.50 NA	.25 %	EP									
44C	BENTAZON	4.00 E	.75 LB/AC	EP									
44D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP									
45A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	99	38	10	98	30	92	20	0	31
45B	SURFACTANT (X-77)	.50 NA	.25 %	EP									
45C	METRIBUZIN	75.00 DF	.50 LB/AC	PRE									
46A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	98	22	5	98	20	95	0	0	29
46B	SURFACTANT (X-77)	.50 NA	.25 %	EP									
46C	LINURON	4.00 L	1.00 LB/AC	PRE									
47	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	0	0	0	23
48	CHECK (CULTIVATED)	.00 CK	.00		100	100	0	100	100	100	100	0	45
				LSD(05):	4	12	8	4	11	9	16	3	4

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1992

TABLE A2026 SOYBEAN PREEMERGENCE & POSTEMERGENCE SUPPLEMENT

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 3.5%
DATE PLANTED: MAY 25 DATE TREATED: MAY 25 PREEMERGENCE
VARIETY: WILLIAMS JUNE 11 EP
JUNE 18 MP
JUNE 25 LP

'A' THE FIRST RATINGS WERE TAKEN THREE WEEKS AFTER APPLICATION. EP 0-2" MP 2-4", LP 4-6" WEEDS.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2015 SOYBEAN RELAY CROPPING IN WHEAT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 10 CRLV	AUGUST 10 GIEI	AUGUST 10 CORN	AUGUST 10 COLQ	AUGUST 10 PESW	SEPT 7 CRLV	SEPT 7 GIEI	SEPT 7 CORN	SEPT 7 COLQ	SEPT 7 PESW	6/28 YLD-WH	11/9 YLD-SB
1	PENDIMETHALIN	4.00 E	1.00 LB/AC	TIL	0	18	0	35	8	0	16	0	25	8	24	12
2A	PENDIMETHALIN	4.00 E	1.00 LB/AC	TIL	0	32	45	28	82	0	32	32	18	82	21	31
2B	BENTAZON	4.00 E	1.00 LB/AC	MP												
2C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
3	PENDIMETHALIN	4.00 E	1.00 LB/AC	JT	0	40	0	0	25	0	40	0	0	25	19	14
4A	PENDIMETHALIN	4.00 E	1.00 LB/AC	JT	2	48	38	28	58	0	52	15	15	58	24	16
4B	BENTAZON	4.00 E	1.00 LB/AC	MP												
4C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
5	PENDIMETHALIN	4.00 E	1.50 LB/AC	TIL	0	48	25	65	8	0	45	28	42	8	21	17
6A	PENDIMETHALIN	4.00 E	1.50 LB/AC	TIL	0	35	38	38	78	0	30	32	32	78	18	17
6B	BENTAZON	4.00 E	1.00 LB/AC	MP												
6C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
7	PENDIMETHALIN	4.00 E	1.50 LB/AC	JT	0	30	10	60	50	0	22	10	55	50	21	16
8A	PENDIMETHALIN	4.00 E	1.50 LB/AC	JT	0	40	30	82	62	0	42	15	38	62	26	13
8B	BENTAZON	4.00 E	1.00 LB/AC	MP												
8C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
9A	PENDIMETHALIN	4.00 E	1.00 LB/AC	POW	0	32	72	92	45	0	32	68	95	35	43	16
9B	METRIBUZIN 1	4.00 F	.38 LB/AC	POW												
9C	PARAQUAT	2.00 E	.25 LB/AC	POW												
9D	SURFACTANT (X-77)	.50 WA	.50 %	POW												
10A	PENDIMETHALIN	4.00 E	1.50 LB/AC	POW	2	50	75	65	42	0	45	80	58	35	40	18
10B	METRIBUZIN 1	4.00 F	.50 LB/AC	POW												
10C	PARAQUAT	2.00 E	.25 LB/AC	POW												
10D	SURFACTANT (X-77)	.50 WA	.25 %	POW												
11A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	78	55	72	22	0	78	35	60	20	2	19
11B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE												
11C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
11D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												
12A	ORYZALIN	4.00 AS	1.00 LB/AC	POW	0	50	100	78	32	0	45	100	70	30	37	16
12B	LINURON	4.00 L	1.00 LB/AC	POW												
12C	PARAQUAT	2.00 E	.25 LB/AC	POW												
12D	SURFACTANT (X-77)	.50 WA	.25 %	POW												
13A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	0	80	55	65	72	0	78	55	55	60	0	25
13B	LINURON	4.00 L	1.00 LB/AC	PRE												
13C	PARAQUAT	2.00 E	.25 LB/AC	PRE												
13D	SURFACTANT (X-77)	.50 WA	.25 %	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2015 SOYBEAN RELAY CROPPING IN WHEAT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 10 CRLV	AUGUST 10 GIET	AUGUST 10 CORN	AUGUST 10 COLQ	AUGUST 10 PESW	SEPT 7 CRLV	SEPT 7 GIET	SEPT 7 CORN	SEPT 7 COLQ	SEPT 7 PESW	6/28 YLD-WH	11/9 YLD-SB
14	ORYZALIN	4.00 AS	1.50 LB/AC	JT	0	52	12	0	50	0	48	12	0	45	19	11
15A	ORYZALIN	4.00 AS	1.00 LB/AC	JT	0	52	30	50	35	0	55	20	25	30	38	14
15B	ORYZALIN	4.00 AS	1.00 LB/AC	POW												
16A	ORYZALIN	4.00 AS	.50 LB/AC	JT	0	55	68	90	40	0	58	68	88	28	36	21
16B	ORYZALIN	4.00 AS	.50 LB/AC	POW												
16C	LINURON	4.00 L	1.00 LB/AC	POW												
17A	SETHOXYDIM	1.53 EC	.75 LB/AC	MP	0	95	58	0	100	0	98	50	0	100	24	14
17B	BENTAZON	4.00 E	.75 LB/AC	MP												
17C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP												
			LSD(05):		NS	30	40	47	46	NS	30	42	43	47	8	30

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 5.1%
DATE PLANTED: MAY 10 DATE TREATED: APRIL 26 TILL
VARIETY: WILLIAMS MAY 6 JT
MAY 10 PREEMERGENCE
JUNE 28 POW, JULY 19 MP. PRE = TOTAL KILL OF WHEAT AT SOYBEAN PLANTING.
POW, POST AFTER WHEAT HARVEST, TRUE NO-TILL DOUBLE CROP SOYBEANS.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2020 SOYBEAN BLACK NIGHTSHADE PREEMERGENCE & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRLY	9/15 BLNS	--X BLNS	--X YLD
1	ALACHLOR	4.00 E	2.50 LB/AC	PRE	3	97	83	20
2	ALACHLOR	4.00 E	3.00 LB/AC	PRE	0	100	80	21
3	ALACHLOR	4.00 E	4.00 LB/AC	PRE	3	100	83	21
4A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	7	100	83	23
4B	LINURON	4.00 L	.75 LB/AC	PRE				
5A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	3	100	93	23
5B	LINURON	4.00 L	1.00 LB/AC	PRE				
6A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	20	100	83	21
6B	CHLORAMBEN	2.00 F	3.00 LB/AC	PRE				
7A	OXYFLUORFEN	2.00 F	.38 LB/AC	PRE	43	100	93	25
7B	ALACHLOR	4.00 E	2.00 LB/AC	PRE				
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	33	97	97	23
8B	OXYFLUORFEN	2.00 E	.38 LB/AC	PRE				
8C	ACIFLUORFEN	2.00 E	.50 LB/AC	MP				
9A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	23	100	93	21
9B	MC 10978	2.00 S	.50 LB/AC	MP				
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	17	100	87	20
10B	MC 10978	2.00 S	.50 LB/AC	MP				
10C	SURFACTANT (X-77)	.50 WA	.50 %	MP				
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	5	100	83	23
11B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE				
11C	LINURON	4.00 L	.75 LB/AC	PRE				
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	7	100	90	20
12B	CHLORAMBEN	2.00 E	2.50 LB/AC	PRE				
12C	LINURON	4.00 L	1.00 LB/AC	PRE				
13A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	3	97	90	21
13B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE				
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	23	93	83	19
14B	METRIBUZIN 2	4.00 L	.50 LB/AC	POD				
14C	WK (SURFACTANT)	.00 WA	.25 %	POD				
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	50	97	93	22
15B	LINURON	4.00 L	1.00 LB/AC	POD				
15C	2,4-DB	2.00 F	.20 LB/AC	POD				
15D	WK (SURFACTANT)	.00 WA	.25 %	POD				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2020 SOYBEAN BLACK NIGHTSHADE PREEMERGENCE & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	----AA --- CRIN	BLNS	9/15 BLNS	--X YLD
16A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	23	97	90	22
16B	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
16C	METRIBUZIN 1	4.00 F	.25	LB/AC	POD				
16D	2,4-DB	2.00 E	.20	LB/AC	POD				
16E	SURFACTANT (X-77)	.50 WA	.25	%	POD				
17A	ALACHLOR	4.00 E	2.50	LB/AC	PRE	17	93	93	22
17B	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
17C	METRIBUZIN 1	4.00 F	.50	LB/AC	POD				
17D	2,4-DB	2.00 E	.20	LB/AC	POD				
17E	SURFACTANT (X-77)	.50 WA	.25	%	POD				
18A	ALACHLOR	4.00 E	2.00	LB/AC	PRE	7	97	93	24
18B	ACIFLUORFEN	2.00 E	.50	LB/AC	MP				
19A	ALACHLOR	4.00 E	2.00	LB/AC	PRE	27	90	90	25
19B	METRIBUZIN 2	4.00 L	.38	LB/AC	POD				
19C	2,4-DB	2.00 E	.20	LB/AC	POD				
19D	WK (SURFACTANT)	.00 WA	.25	%	POD				
20A	ALACHLOR	4.00 E	2.00	LB/AC	PRE	23	97	87	22
20B	METRIBUZIN 2	4.00 L	.50	LB/AC	POD				
20C	2,4-DB	2.00 E	.20	LB/AC	POD				
20D	WK (SURFACTANT)	.00 WA	.25	%	POD				
21A	ALACHLOR	4.00 E	2.00	LB/AC	PRE	23	100	90	19
21B	NAMPA/DM	3.00 E	1.50	LB/AC	EP				
22	METOLACHLOR	8.00 E	2.50	LB/AC	PRE	0	97	83	22
23	METOLACHLOR	8.00 E	3.00	LB/AC	PRE	0	97	93	21
24	METOLACHLOR	8.00 E	4.00	LB/AC	PRE	3	97	93	18
25A	METOLACHLOR	8.00 E	3.00	LB/AC	PRE	0	97	87	23
25B	LINURON	4.00 L	.75	LB/AC	PRE				
26A	METOLACHLOR	8.00 E	3.00	LB/AC	PRE	3	100	93	20
26B	LINURON	4.00 L	1.00	LB/AC	PRE				
27A	METOLACHLOR	8.00 E	3.00	LB/AC	PRE	7	100	97	23
27B	CHLORAMBEN	2.00 E	3.00	LB/AC	PRE				
28A	METOLACHLOR	8.00 E	2.00	LB/AC	PRE	20	93	87	20
28B	LINURON	4.00 L	.50	LB/AC	POD				
28C	WK (SURFACTANT)	.00 WA	.25	%	POD				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2020 SOYBEAN BLACK NIGHTSHADE PREEMERGENCE & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	----AA --- CRTI	9/15 BLNS	--X BLNS	YLD
29A	METOLACHLOR	8.00 E	2.00	LB/AC	PRE	27	97	97	21
29B	LINURON	4.00 L	1.00	LB/AC	POD				
29C	WK (SURFACTANT)	.00 WA	.25	%	POD				
30A	METOLACHLOR	8.00 E	2.00	LB/AC	PRE	27	97	90	20
30B	LINURON	4.00 L	.50	LB/AC	POD				
30C	2,4-DB	2.00 E	.20	LB/AC	POD				
30D	WK (SURFACTANT)	.00 WA	.25	%	POD				
31A	METOLACHLOR	8.00 E	2.00	LB/AC	PRE	13	97	93	20
31B	LINURON	4.00 L	1.00	LB/AC	POD				
31C	2,4-DB	2.00 E	.20	LB/AC	POD				
31D	WK (SURFACTANT)	.00 WA	.25	%	POD				
32A	METOLACHLOR	8.00 E	2.00	LB/AC	PRE	20	90	87	24
32B	METRIBUZIN 1	4.00 F	.38	LB/AC	POD				
32C	2,4-DB	2.00 E	.20	LB/AC	POD				
32D	SURFACTANT (X-77)	.50 WA	.25	%	POD				
33A	METOLACHLOR	8.00 E	2.00	LB/AC	PRE	27	93	87	20
33B	METRIBUZIN 1	4.00 F	.50	LB/AC	POD				
33C	2,4-DB	2.00 E	.20	LB/AC	POD				
33D	SURFACTANT (X-77)	.50 WA	.50	%	POD				
34A	METOLACHLOR	9.00 E	2.50	LB/AC	PRE	10	100	97	22
34B	ACIFLUORFEN	2.00 E	.50	LB/AC	MP				
35A	METOLACHLOR	8.00 E	3.00	LB/AC	PRE	0	100	87	18
35B	METRIBUZIN 1	4.00 F	.50	LB/AC	PRE				
36	FOE 2492	50.00 WP	1.50	LB/AC	PRE	3	73	43	19
37	FOE 2502	4.00 E	1.00	LB/AC	PRE	3	47	10	18
38	FOE 2602	4.00 E	1.50	LB/AC	PRE	0	57	17	17
39	PPG-844	2.00 E	.20	LB/AC	EP	27	100	87	23
40	PPG-844	2.00 E	.30	LB/AC	EP	27	100	93	25
41	BAS 506	53.60 WP	.84	LB/AC	EP	20	100	73	23
42	BAS 506	53.60 WP	1.17	LB/AC	EP	23	100	80	20
43A	BAS 506	53.60 WP	.84	LB/AC	EP	23	83	27	18
43B	OIL CONCENTRATE	.00 AD	1.00	PT/AC	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2020 SOYBEAN BLACK NIGHTSHADE PREEMERGENCE & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE		APPL METH	----AA --- CRIN	BLNS	9/15 BLNS	--X YLD
44A	BAS 506	53.50 WP	1.17	LB/AC	EP	37	100	67	22
44B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	EP				
45A	BENTAZON	4.00 E	.75	LB/AC	EP	7	40	3	16
45B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	EP				
46A	BENTAZON	4.00 E	1.00	LB/AC	MP	3	10	3	18
46B	OIL CONCENTRATE	.00 AD	1.00	QT/AC	MP				
47A	BENTAZON	4.00 E	.75	LB/AC	MP	0	3	0	16
47B	ACIFLUORFEN	2.00 E	.13	LB/AC	MP				
48A	BENTAZON	4.00 E	.75	LB/AC	MP	10	93	67	21
48B	ACIFLUORFEN	2.00 E	.25	LB/AC	MP				
49	ACIFLUORFEN	2.00 E	.50	LB/AC	EP	30	100	90	21
50	ACIFLUORFEN	2.00 E	.50	LB/AC	MP	13	90	73	24
51	LINURON	50.00 WP	1.00	LB/AC	PRE	3	10	3	13
52A	MEFLUIDIDE	2.00 S	.13	LB/AC	MP	23	70	10	17
52B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
52C	ACIFLUORFEN	2.00 E	.25	LB/AC	30A				
53A	MEFLUIDIDE	2.00 S	.13	LB/AC	MP	37	90	17	16
53B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
53C	MC 1097P	2.00 S	.25	LB/AC	30A				
53D	SURFACTANT (X-77)	.50 WA	.50	%	30A				
54A	MEFLUIDIDE	2.00 S	.13	LB/AC	MP	23	10	0	10
54B	SURFACTANT (X-77)	.50 WA	.50	%	MP				
54C	BENTAZON	4.00 E	.38	LB/AC	30A				
54D	OIL CONCENTRATE	.00 AD	1.00	QT/AC	30A				
55A	SETHOXYDIM	1.53 EC	.30	LB/AC	EP	30	100	90	22
55B	ACIFLUORFEN	2.00 E	.50	LB/AC	EP				
56	CHECK (UNCULTIVATED)	.00 CK	.00			0	0	0	17
				LSD(05):		12	14	12	6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2020 SOYBEAN BLACK NIGHTSHADE PREEMERGENCE & POST

LOCATION: SPINDLETOP FARM SOIL TYPE: MARUY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.2 O.M.: 3.8%
DATE PLANTED: MAY 12 DATE TREATED: PRE MAY 12
VARIETY: WILLIAMS EP JUNE 11
MP JUNE 21

POD JULY 9, A. NOTE PRE RATINGS WERE TAKEN 4 WEEKS AFTER APPLICATION.
EP, MP +30 AND POD RATINGS WERE TAKEN 10 DAYS AFTER APPLICATION.
EP 0-2", MP 2-4", POD 2-8".
XX NOTE YIELDS ARE REDUCED DUE TO COMPETITION AND LATE HARVEST 12/1.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2021 SOYBEAN BLACK NIGHTSHADE POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- CRTY	9/15 BLNS	--X BLNS	YLD
1	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	93	90	17
2	ALACHLOR	4.00 E	3.00 LB/AC	PPI	0	100	93	20
3	ALACHLOR	4.00 E	4.00 LB/AC	PPI	0	97	90	16
4	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	0	97	90	19
5	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	0	93	80	18
6	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	3	100	93	22
7A	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	7	97	90	19
7B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI				
8A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	0	57	10	14
8B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI				
9A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	7	80	23	20
9B	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI				
9C	CHLORAMBEN	2.00 E	3.00 LB/AC	PPI				
10A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	7	77	23	17
10B	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI				
11A	TRIFLURALIN	4.00 E	.75 LB/AC	PPI	7	100	83	19
11B	ALACHLOR	4.00 E	2.50 LB/AC	PPI				
11C	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI				
12	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	3	70	20	18
13	ETHALFLURALIN	3.00 E	1.50 LB/AC	PPI	0	83	53	15
14A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	3	100	90	19
14B	LINURON	4.00 L	.75 LB/AC	PRE				
15A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	0	97	80	22
15B	ALACHLOR	4.00 E	2.00 LB/AC	PPI				
15C	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI				
16A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	0	93	87	19
16B	METOLACHLOR	8.00 E	2.00 LB/AC	PPI				
16C	METRIBUZIN 1	4.00 F	.38 LB/AC	PPI				
17A	ETHALFLURALIN	3.00 E	1.12 LB/AC	PPI	13	93	90	19
17B	ACIFLUORFEN	2.00 E	.50 LB/AC	PP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2021 SOYBEAN BLACK NIGHTSHADE POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----AA --- 8/17 BLNS	9/15 BLNS	--X YLD
18	FOE 2492	50.00 WP	2.00 LB/AC	PPI	0	67	50	13
19	FOE 2602	4.00 E	1.50 LB/AC	PPI	0	73	43	19
20	FOE 2602	4.00 E	2.00 LB/AC	PPI	0	90	53	16
21A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	23	80	53	21
21B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP				
22A	VERNOLATE	7.00 E	3.00 LB/AC	PPI	20	93	67	19
22B	ACIFLUORFEN	2.00 E	.25 LB/AC	MP				
23A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	27	43	0	8
23B	BENTAZON	4.00 E	.75 LB/AC	MP				
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
24A	VERNOLATE	7.00 E	3.00 LB/AC	PPI	37	43	7	12
24B	BENTAZON	4.00 E	.75 LB/AC	MP				
24C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP				
				LSD(05):	12	16	22	7

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.2 O.M.: 3.8%
DATE PLANTED: MAY 12 DATE TREATED: PPI MAY 12
VARIETY: WILLIAMS MP JUNE 21
0

A. NOTE PPI RATINGS WERE TAKEN 4 WEEKS AFTER APPLICATION. MP RATINGS WERE TAKEN 10 DAYS AFTER APPLICATION. MP 2-4".
EP 0-2", MP 2-4", POD 2-4".
XX NOTE YIELDS ARE REDUCED DUE TO COMPETITION AND LATE HARVEST 12/1.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2024 SOYBEAN YELLOW NUTSEDGE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/27 -- YEWS	CRIT	--6/2 11 - YEWS	CRIN	--9 YLD
1	METOLACHLOR	8.00 E	2.50 LB/AC	PPI	*85	0	75	0	28
2	METOLACHLOR	8.00 E	3.00 LB/AC	PPI	88	0	88	0	31
3	METOLACHLOR	8.00 E	4.00 LB/AC	PPI	90	0	88	0	27
4	METOLACHLOR	8.00 E	2.50 LB/AC	PRE	25	0	38	0	32
5	METOLACHLOR	8.00 E	3.00 LB/AC	PRE	50	0	60	0	33
6	METOLACHLOR	8.00 E	4.00 LB/AC	PRE	65	0	68	0	33
7	ALACHLOR	4.00 E	3.00 LB/AC	PRE	42	0	15	0	31
8	ALACHLOR	4.00 E	4.00 LB/AC	PRE	52	0	35	0	31
9	ALACHLOR	4.00 E	3.00 LB/AC	PPI	85	0	68	0	35
10	ALACHLOR	4.00 E	4.00 LB/AC	PPI	90	0	82	0	30
11A	BENTAZON	4.00 E	1.00 LB/AC	EP	45	0	60	0	28
11B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP					
12	MBR 22359	2.00 E	1.50 LB/AC	PRE	52	0	68	0	32
13	MBR 22359	2.00 E	2.00 LB/AC	PRE	55	0	68	0	30
14	MBR 22359	2.00 E	2.50 LB/AC	PRE	60	0	75	0	33
15	MBR 22359	2.00 E	3.00 LB/AC	PRE	72	0	88	0	33
16	MBR 23709	2.00 S	1.50 LB/AC	PRE	50	0	50	0	30
17	MBR 23709	2.00 S	2.00 LB/AC	PRE	58	0	72	0	35
18	MBR 23709	2.00 S	2.50 LB/AC	PRE	62	0	75	0	38
19	MBR 23709	2.00 S	3.00 LB/AC	PRE	55	0	82	0	36
20	FOE 2602	4.00 E	1.50 LB/AC	PPI	82	0	72	0	30
21	FOE 2602	4.00 E	2.00 LB/AC	PPI	82	8	58	2	32
22	FOE 2602	4.00 E	2.50 LB/AC	PPI	75	5	65	5	31
23	FOE 2602	4.00 E	1.00 LB/AC	PRE	50	0	32	0	28

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2024 SOYBEAN YELLOW NUTSEDGE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---5/27 -- YEWS	CRIN	--6/2 11 - YEWS	CRIN	--9 YLD
24	FOE 2602	4.00 E	1.50 LB/AC	PRE	42	0	25	0	29
25	FOE 2602	4.00 E	2.00 LB/AC	PRE	72	0	55	2	27
26	FOE 2492	50.00 WP	1.50 LB/AC	PPI	40	0	0	0	28
27	FOE 2492	50.00 WP	2.00 LB/AC	PPI	45	5	18	2	29
28	FOE 2492	50.00 WP	2.50 LB/AC	PPI	58	0	18	5	24
29	FOE 2492	50.00 WP	1.00 LB/AC	PRE	18	0	10	0	30
30	FOE 2492	50.00 WP	1.50 LB/AC	PRE	12	0	0	0	29
31	FOE 2492	50.00 WP	2.00 LB/AC	PRE	30	0	10	0	31
32A	FOE 2602	4.00 E	1.00 LB/AC	PRE	48	0	42	0	29
32B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE					
33A	FOE 2602	4.00 E	1.50 LB/AC	PRE	35	0	30	0	31
33B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE					
34A	FOE 2602	4.00 E	1.50 LB/AC	PPI	80	0	70	2	27
34B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
35A	FOE 2602	4.00 E	2.00 LB/AC	PPI	80	0	70	5	27
35B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
36A	FOE 2492	50.00 WP	1.50 LB/AC	PRE	38	0	30	0	32
36B	METRIBUZIN 1	4.00 F	.50 LB/AC	PRE					
37A	FOE 2492	50.00 WP	1.50 LB/AC	PPI	65	0	32	0	32
37B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
38	VERNOLATE	7.00 F	3.00 LB/AC	PPI	92	18	80	12	27
39A	VERNOLATE R5G MIX	6.00 EC	3.00 LB/AC	PPI	90	12	75	5	28
39B	WITH R-33865	1.00	.50	PPI					
40A	VERNOLATE	7.00 E	3.00 LB/AC	PPI	84	38	78	45	19
40B	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
41A	VERNOLATE R5G MIX	6.00 EC	3.00 LB/AC	PPI	92	30	72	45	22
41B	WITH R-33865	1.00	.50	PPI					
41C	METRIBUZIN 1	4.00 F	.50 LB/AC	PPI					
42	CHECK (CULTIVATE))	.00 CK	.00		100	0	100	0	34
			LSD(05):		25	10	21	8	6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2024 SOYBEAN YELLOW NUTSEDGE

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 50 N, 60 P, 60 K PH: 6.4 O.M.: 2.3%
DATE PLANTED: MAY 5 DATE TREATED: MAY 6 PREEMERGENCE
VARIETY: WILLIAMS MAY 6 PREPLANT
MAY 20 EP

EP 2LF.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2037 SOYBEAN POSTEMERGENCE ANNUAL GRASS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LACG	---B LACG	---C LACG	---D LACG	YLD
1A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	92	####	90	88	22
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
2A	SETHOXYDIM	1.53 EC	.15 LB/AC	LP	92	####	90	80	28
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
3A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	68	####	68	65	29
3B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
4A	SETHOXYDIM	1.53 EC	.25 LB/AC	LP	88	####	90	88	23
4B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
5A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	95	####	92	92	18
5B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
6A	SETHOXYDIM	1.53 EC	.10 LB/AC	LLP	####	68	####	####	28
6B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP					
7A	SETHOXYDIM	1.53 EC	.15 LB/AC	LLP	####	40	####	####	29
7B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP					
8A	SETHOXYDIM	1.53 EC	.20 LB/AC	LLP	####	25	####	####	25
8B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP					
9A	SETHOXYDIM	1.53 EC	.25 LB/AC	LLP	####	20	####	####	20
9B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP					
10A	SETHOXYDIM	1.53 EC	.30 LB/AC	LLP	####	30	####	####	28
10B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP					
11A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	65	####	55	42	24
11B	BENTAZON	4.00 E	.75 LB/AC	LP					
11C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
12A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	92	####	90	82	27
12B	BENTAZON	4.00 E	.75 LB/AC	LP					
12C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
13A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	80	####	78	65	18
13B	BENTAZON	4.00 E	.75 LB/AC	LP					
13C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
13D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
14A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	82	####	75	60	24
14B	BENTAZON	4.00 E	.75 LB/AC	LP					
14C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
14D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2037 SOYBEAN POSTEMERGENCE ANNUAL GRASS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LAGG	---B LAGG	---C LAGG	---D LAGG	YLD
15A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	88	####	78	75	30
15B	BENTAZON	4.00 E	.75 LB/AC	LP					
15C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
15D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
16A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	92	####	90	82	22
16B	BENTAZON	4.00 E	.50 LB/AC	LP					
16C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
16D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
17A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	95	####	85	78	27
17B	BENTAZON	4.00 E	.50 LB/AC	LP					
17C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
17D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
18A	SETHOXYDIM	1.53 EC	.10 LB/AC	LP	92	####	80	65	19
18B	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
18C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
19A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	90	####	85	82	22
19B	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
19C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
20A	SETHOXYDIM	1.53 EC	.20 LB/AC	LP	85	####	78	68	18
20B	BENTAZON	4.00 E	.50 LB/AC	LP					
20C	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
20D	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
21A	SETHOXYDIM	1.53 EC	.30 LB/AC	LP	95	####	92	85	23
21B	ACIFLUORFEN	2.00 E	.25 LB/AC	LP					
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
22A	CGA-82725	2.00 EC	.13 LB/AC	MP	82	####	78	82	21
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP					
23A	CGA-82725	2.00 EC	.25 LB/AC	MP	92	####	88	88	24
23B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP					
24A	CGA-82725	2.00 EC	.38 LB/AC	MP	98	####	95	92	32
24B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	MP					
25A	CGA-82725	2.00 EC	.13 LB/AC	LP	72	####	78	78	28
25B	BENTAZON	4.00 E	.75 LB/AC	LP					
25C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
26A	CGA-82725	2.00 EC	.25 LB/AC	LP	78	####	80	78	33
26B	BENTAZON	4.00 E	.75 LB/AC	LP					
26C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2037 SOYBEAN POSTEMERGENCE ANNUAL GRASS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LACG	---B LACG	---C LACG	---D LACG	YLD
27A	CGA-92725	2.00 EC	.38 LB/AC	LP	95	####	95	92	32
27B	BENTAZON	4.00 E	.75 LB/AC	LP					
27C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
28A	DOWCO 453	2.00 E	.03 LB/AC	MP	65	####	65	72	27
28B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP					
29A	DOWCO 453	2.00 E	.06 LB/AC	MP	95	####	92	88	21
29B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP					
30A	DOWCO 453	2.00 E	.13 LB/AC	MP	100	####	98	92	21
30B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP					
31A	DOWCO 453	2.00 E	.19 LB/AC	MP	100	####	92	90	24
31B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP					
32A	DOWCO 453	2.00 E	.25 LB/AC	MP	100	####	100	95	25
32B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	MP					
33A	DOWCO 453	2.00 E	.03 LB/AC	LP	42	####	42	38	27
33B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP					
34A	DOWCO 453	2.00 E	.06 LB/AC	LP	95	####	90	88	23
34B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP					
35A	DOWCO 453	2.00 E	.13 LB/AC	LP	95	####	90	85	23
35B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP					
36A	DOWCO 453	2.00 E	.19 LB/AC	LP	92	####	90	85	25
36B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP					
37A	DOWCO 453	2.00 E	.25 LB/AC	LP	98	####	92	90	27
37B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	LP					
38A	DOWCO 453	2.00 E	.25 LB/AC	4TR	100	####	98	88	24
38B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	4TR					
39A	DOWCO 453	2.00 E	.25 LB/AC	RI	98	####	90	92	25
39B	OIL CON. (AIPLUS)	.00 AD	1.00 QT/AC	RI					
40	HOE 581	1.00 EC	.10 LB/AC	SLF	98	####	92	85	27
41	HOE 581	1.00 EC	.15 LB/AC	SLF	94	####	98	98	22
42	HOE 581	1.00 EC	.20 LB/AC	SLF	100	####	95	92	26
43	HOE 581	1.00 EC	.10 LB/AC	7LF	95	####	92	90	25

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2037 SOYBEAN POSTEMERGENCE ANNUAL GRASS

TRT No.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---A LAGG	---B LAGG	---C LAGG	---D LAGG	YLD
44	HOE 581	1.00 EC	.15 LB/AC	7LF	95	####	92	88	36
45	HOE 581	1.00 EC	.20 LB/AC	7LF	100	####	100	95	25
46A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LP	78	####	80	72	27
46B	SURFACTANT (X-77)	.50 WA	1.00 %	LP					
47A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LLP	####	30	####	####	21
47B	SURFACTANT (X-77)	.50 WA	1.00 %	LLP					
48A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LP	90	####	88	82	28
48B	OIL CONCENTRATE	.00 AD	.25 QT/AC	LP					
49A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LP	90	####	85	80	27
49B	OIL CONCENTRATE	.00 AD	.50 QT/AC	LP					
50A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LP	95	####	85	72	23
50B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LP					
51A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LLP	####	17	0	####	28
51B	OIL CONCENTRATE	.00 AD	.25 QT/AC	LLP					
52A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LLP	####	38	####	####	22
52B	OIL CONCENTRATE	.00 AD	.50 QT/AC	LLP					
53A	FLUAZIFOP BUTYL	4.00 E	.10 LB/AC	LLP	####	32	####	####	27
53B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	LLP					
54	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	52	####	55	50	28
55A	DICLOFOP METHYL	3.00 E	1.00 LB/AC	EP	70	####	65	72	31
55B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	EP					
56	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	0	28
				LSD(05):	18	17	29	15	NS

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: JULY 5 DATE TREATED: JULY 30 EP
VARIETY: WILLIAMS AUGUST 2 4TR
AUGUST 6 5LF
AUGUST 9 7LF & R1, AUGUST 12 MP, AUGUST 17 LP, SEPTEMBER 7 LLP.
A 2 WEEKS AFTER APPLICATION. B 5 WEEKS AFTER APPLICATION.
C 9 WEEKS AFTER APPLICATION. D 8 WEEKS AFTER APPLICATION.
NOTE #### REPRESENTS UNAVAILABLE DATA.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE AP019 SOYBEAN TOLERENCE TO POSTEMERGENCE APPLICATION

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRIN	--B CRIN	--C CRIN	--D CRIN	--E CRIN	--F CRIN	--G YLD
1	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	38	20	18	18	8	5	37
2	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	48	25	22	12	8	2	38
3A	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	45	28	30	12	5	2	39
3B	2,4-DB	2.00 E	.03 LB/AC	2TR							
4A	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR	45	40	30	22	8	2	38
4B	2,4-DB	2.00 E	.06 LB/AC	2TR							
5A	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	48	35	28	20	12	10	38
5B	2,4-DB	2.00 E	.03 LB/AC	2TR							
6A	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR	50	45	32	18	6	5	37
6B	2,4-DB	2.00 E	.06 LB/AC	2TR							
7	2,4-DB	2.00 E	.03 LB/AC	2TR	12	5	8	0	2	2	42
8	2,4-DB	2.00 E	.06 LB/AC	2TR	22	10	18	8	2	0	41
9	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	22	38	22	10	2	2	39
10	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	25	42	20	10	2	2	38
11A	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	22	48	35	18	10	0	39
11B	2,4-DB	2.00 E	.03 LB/AC	5TR							
12A	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR	22	48	30	8	0	0	40
12B	2,4-DB	2.00 E	.06 LB/AC	5TR							
13A	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	25	42	22	10	5	0	39
13B	2,4-DB	2.00 E	.03 LB/AC	5TR							
14A	ACIFLUORFEN	2.00 E	.50 LB/AC	5TR	28	52	28	5	2	2	39
14B	2,4-DB	2.00 E	.06 LB/AC	5TR							
15	2,4-DB	2.00 E	.03 LB/AC	5TR	15	10	5	5	2	2	46
16	2,4-DB	2.00 E	.06 LB/AC	5TR	15	20	25	10	2	2	40
17A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	53	50	35	20	10	10	35
17B	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR							
18A	MEFLUIDIDE	2.00 S	.20 LB/AC	2TR	53	52	40	25	15	10	37
18B	ACIFLUORFEN	2.00 E	.50 LB/AC	2TR							
19A	MEFLUIDIDE	2.00 S	.20 LB/AC	5TR	22	28	22	8	0	2	40
19B	ACIFLUORFEN	2.00 E	.38 LB/AC	5TR							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2019 SOYBEAN TOLERENCE TO POSTEMERGENCE APPLICATION

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL MTH	--A CRTN	--B CRTN	--C CRTN	--D CRTN	--E CRTN	--F CRTN	--G YLD
20A	MEFLUIDIDE	2.00 S	.20 LB/AC	STR	18	45	32	8	5	2	38
20B	ACIFLUORFEN	2.00 E	.50 LB/AC	STR							
21A	SETHOXYDIM	1.53 EC	.20 LB/AC	2TR	42	25	22	15	10	8	36
21B	ACIFLUORFEN	2.00 E	.38 LB/AC	2TR							
21C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	2TR							
22A	SETHOXYDIM	1.53 EC	.20 LB/AC	2TR	25	20	18	10	8	5	38
22B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	2TR							
22C	ACIFLUORFEN	2.00 E	.38 LB/AC	SEQ							
23A	SETHOXYDIM	1.53 EC	.20 LB/AC	STR	42	48	25	5	0	0	40
23B	ACIFLUORFEN	2.00 E	.38 LB/AC	STR							
23C	OIL CONCENTRATE	.00 AD	1.00 QT/AC	STR							
24A	SETHOXYDIM	1.53 EC	.20 LB/AC	STR	30	40	30	5	0	0	40
24B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	STR							
24C	ACIFLUORFEN	2.00 E	.38 LB/AC	SEQ							
25	CHECK (UNCULTIVATED)	.00 CK	.00		0	0	0	0	0	0	42
26	CHECK (UNCULTIVATED)	.00 CK	.00		******	NO DATA FOUND			******		
				LSD(05):	11	16	12	9	9	7	NS

LOCATION: SPINDLETOP FARM SOIL TYPE: LANTON SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.1 O.M.: 5.0%
DATE PLANTED: MAY 11 DATE TREATED: JUNE 7 2TR
VARIETY: WILLIAMS JUNE 22 STR
A JUNE 28, B JULY 6, C JULY 13,
D JULY 20, E AUGUST 3, F AUGUST 17, G SEPTEMBER 15 HARVEST.
THE FIRST RATING WAS TAKEN APPROXIMATELY ONE WEEK AFTER APPLICATION.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE W2104 SOYBEAN PREEMERGENCE & PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---6/28 -- JOER	CRIN	---8/13 -- JOER	CRIN	--1 YLD
1	FOE 2602	4.00 E	1.50 LB/AC	PPI	90	8	78	0	29
2	FOE 2602	4.00 E	2.00 LB/AC	PPI	95	0	88	0	28
3	FOE 2492	50.00 WP	1.50 LB/AC	PRE	68	5	12	0	21
4	FOE 2602	4.00 E	1.00 LB/AC	PRE	82	5	78	0	28
5	FOE 2602	4.00 E	1.50 LB/AC	PRE	90	10	80	0	22
6	FOE 2492	50.00 WP	2.00 LB/AC	PPI	52	5	28	0	19
7	MBR 22359	2.00 E	1.50 LB/AC	PRE	98	2	100	0	26
8	MBR 22359	2.00 E	2.00 LB/AC	PRE	100	5	100	0	25
9	MBR 22359	2.00 E	2.50 LB/AC	PRE	100	5	100	0	26
10	MBR 22359	2.00 E	3.00 LB/AC	PRE	100	12	100	0	25
11	MBR 23709	2.00 S	1.50 LB/AC	PRE	90	0	90	0	33
12	MBR 23709	2.00 S	2.00 LB/AC	PRE	92	5	90	0	29
13	MBR 23709	2.00 S	2.50 LB/AC	PRE	95	5	90	0	29
14	MBR 23709	2.00 S	3.00 LB/AC	PRE	95	8	95	0	23
15	CHECK (CULTIVATED)	.00 CK	.00		100	0	52	0	28
			LSD(05):		15	7	21	NS	7

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 48 N, 48 P, 48 K PH: 6.0 O.M.: 1.7%
DATE PLANTED: MAY 11 DATE TREATED: MAY 11 PREEMERGENCE
VARIETY: WILLIAMS MAY 11 PREPLANT INC.

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE N2115 SOYBEAN RESPONSE TO POSTEMERGENCE HERBICIDES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRTN	--B CRTN	--C CRTN	--D YLD
1A	BENTAZON	4.00 E	1.00 LB/AC	VC	0	0	0	45
1B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	VC				
2A	BENTAZON	4.00 E	1.00 LB/AC	V2	0	17	0	41
2B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	V2				
3A	BENTAZON	4.00 E	1.00 LB/AC	V5	0	0	0	50
3B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	V5				
4A	BENTAZON	4.00 E	1.00 LB/AC	R1	0	0	0	37
4B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	R1				
5A	BENTAZON	4.00 E	1.00 LB/AC	R2	0	0	3	44
5B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	R2				
6A	BENTAZON	4.00 E	1.00 LB/AC	R3	0	0	0	36
6B	OIL CONCENTRATE	.00 AD	1.00 QT/AC	R3				
7	ACIFLUORFEN	2.00 E	.50 LB/AC	VC	10	7	0	38
8	ACIFLUORFEN	2.00 E	.50 LB/AC	V2	0	23	0	45
9	ACIFLUORFEN	2.00 E	.50 LB/AC	V5	0	0	3	42
10	ACIFLUORFEN	2.00 E	.50 LB/AC	R1	0	0	10	35
11	ACIFLUORFEN	2.00 E	.50 LB/AC	R2	0	0	10	35
12	ACIFLUORFEN	2.00 E	.50 LB/AC	R3	0	0	0	37
13	NANPA/DN	3.00 E	3.00 LB/AC	VC	13	7	17	35
14	NANPA/DN	3.00 E	3.00 LB/AC	V2	0	23	0	42
15	NANPA/DN	3.00 E	3.00 LB/AC	V5	0	0	7	41
16	NANPA/DN	3.00 E	3.00 LB/AC	R1	0	0	0	42
17	NANPA/DN	3.00 E	3.00 LB/AC	R2	0	0	20	33
18	NANPA/DN	3.00 E	3.00 LB/AC	R3	0	0	0	37
19A	BENTAZON	4.00 E	1.00 LB/AC	VC	23	43	3	39
19B	2,4-DB	2.00 E	.06 LB/AC	VC				
20A	BENTAZON	4.00 E	1.00 LB/AC	V2	0	20	0	45
20B	2,4-DB	2.00 E	.06 LB/AC	V2				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE A2116 SOYBEAN RESPONSE TO POSTEMERGENCE HERBICIDES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRTN	--B CRTN	--C CRTN	--D YLD
21A	BENTAZON	4.00 E	1.00 LB/AC	V5	0	0	37	33
21B	2,4-DB	2.00 E	.06 LB/AC	V5				
22A	BENTAZON	4.00 E	1.00 LB/AC	R1	0	0	0	45
22B	2,4-DB	2.00 E	.06 LB/AC	R1				
23A	BENTAZON	4.00 E	1.00 LB/AC	R2	0	0	0	37
23B	2,4-DB	2.00 E	.06 LB/AC	R2				
24A	BENTAZON	4.00 E	1.00 LB/AC	R3	0	0	0	42
24B	2,4-DB	2.00 E	.06 LB/AC	R3				
25A	ACIFLUORFEN	2.00 E	.50 LB/AC	VC	33	37	10	45
25B	2,4-DB	2.00 E	.06 LB/AC	VC				
26A	ACIFLUORFEN	2.00 E	.50 LB/AC	V2	0	30	0	37
26B	2,4-DB	2.00 E	.06 LB/AC	V2				
27A	ACIFLUORFEN	2.00 E	.50 LB/AC	V5	0	0	10	37
27B	2,4-DB	2.00 E	.06 LB/AC	V5				
28A	ACIFLUORFEN	2.00 E	.50 LB/AC	R1	0	0	10	39
28B	2,4-DB	2.00 E	.06 LB/AC	R1				
29A	ACIFLUORFEN	2.00 E	.50 LB/AC	R2	0	0	10	33
29B	2,4-DB	2.00 E	.06 LB/AC	R2				
30A	ACIFLUORFEN	2.00 E	.50 LB/AC	R3	0	0	0	34
30B	2,4-DB	2.00 E	.06 LB/AC	R3				
31A	NANPA/DN	3.00 E	3.00 LB/AC	VC	47	80	47	31
31B	2,4-DB	2.00 E	.06 LB/AC	VC				
32A	NANPA/DN	3.00 E	3.00 LB/AC	V2	0	43	17	37
32B	2,4-DB	2.00 E	.06 LB/AC	V2				
33A	NANPA/DN	3.00 E	3.00 LB/AC	V5	0	0	3	40
33B	2,4-DB	2.00 E	.06 LB/AC	V5				
34A	NANPA/DN	3.00 E	3.00 LB/AC	R1	0	0	3	37
34B	2,4-DB	2.00 E	.06 LB/AC	R1				
35A	NANPA/DN	3.00 E	3.00 LB/AC	R2	0	0	20	34
35B	2,4-DB	2.00 E	.06 LB/AC	R2				
36A	NANPA/DN	3.00 E	3.00 LB/AC	R3	0	0	0	37
36B	2,4-DB	2.00 E	.06 LB/AC	R3				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1982

TABLE #2116 SOYBEAN RESPONSE TO POSTEMERGENCE HERBICIDES

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--A CRLV	--B CRLV	--C CRLV	--D YLD
37	CHECK (CULTIVATED)	.00 CK	.00		0	0	0	39
				LSD(05):	3	11	8	NS

LOCATION: PRICETON SOIL TYPE: CRIDER SILT LOAM
FERTILIZATION (LB/AC): 0 N, 48 P, 48 K PH: 7.3 O.M.: 2.3%
DATE PLANTED: JUNE 9 DATE TREATED: JUNE 20 VC
VARIETY: WILLIAMS JULY 1 VS
JULY 16 VS

JULY 21 R1, JULY 26 R2, AUGUST 4 R3.
A JUNE 20, B JULY 1, C JULY 16, D OCTOBER 19 .