

Herbicide Evaluation Trials - 1985

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I. EXPERIMENTAL TECHNIQUES

- DESIGN:** All treatments within an experiment were in a randomized complete block design with three or four replications per treatment. Each treated plot was two rows wide by twenty-five to forty feet in length depending on the experiment. An untreated row separated each plot except in the no-tillage studies.
- APPLICATION:** All treatments were applied with a hand-held boom sprayer pressurized by CO₂. Unless indicated otherwise, all treatments were applied at 25 GPA. Plots at the Lexington locations were incorporated with a power driven tiller, while at Princeton a tandem disk was used.
- EVALUATION:** Weed control was evaluated based on a 0 to 100 scale with 0 representing no control and 100 representing total control. Crop injury was also based on a 0 to 100 scale with 0 representing no injury and 100 representing crop death.
- CULTIVATION:** Plots were not cultivated except where indicated.
- SPECIFIC
EXPERIMENTAL
INFORMATION:** The following items are found at the end of each summary:
(A) location, (B) fertilization, (C) soil type, (D) pH, (E) organic matter, (F) treatment date(s), (G) hybrid or cultivar, (H) planting dates, (I) crop and/or weed growth stage for postemergence application.

II. ABBREVIATIONS

A. Weed Species

<u>ABB</u>	<u>Common Name</u>	<u>Scientific Name</u>
BLLE	Blue Lettuce	<i>Lactuca saligna</i>
BLNS	Eastern Black Nightshade	<i>Solanum pytcanthum</i>
COCB	Common Cocklebur	<i>Xanthium pensylvanicum</i>
COLQ	Common Lambsquarters	<i>Chenopodium album</i>
GIFT	Giant Foxtail	<i>Setaria faberi</i>
HHCL	Hophornbeam Copperleaf	<i>Acalypha ostryifolia</i>
ILMG	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
JIWE	Jimsonweed	<i>Datura stramonium</i>
JOGR	Johnsongrass	<i>Sorghum halepense</i>
LACG	Large Crabgrass	<i>Digitaria sanguinalis</i>
MRTL	Marestail	<i>Conyza canadensis</i>
PESW	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
PRLE	Prickly Lettuce	<i>Lactuca serriola</i>
PRSI	Prickly Sida	<i>Sida spinosa</i>
RRPW	Redroot Pigweed	<i>Amaranthus retroflexus</i>
TAMG	Tall Morningglory	<i>Ipomoea purpurea</i>
VELE	Velvetleaf	<i>Abutilon theophrasti</i>
WIGA	Wild Garlic	<i>Allium vineale</i>

B. Miscellaneous

BRLE	All Broadleaf Species
GRAS	All Grass Species
CRIN	Crop Injury

C. Crop Growth States at Application

1. CORN
SPK - Spiking stage; corn just emerging from soil
2. SOYBEAN
CRK - Emerging crop cracking the soil surface
V4 - Four nodes on the main stem with fully developed leaves beginning with the unifoliate
V5 - Five nodes on the main stem with fully developed leaves beginning with the unifoliate

II. ABBREVIATIONS

D. Herbicide Application Times with Reference to Crop or Weed

1. PPI —Preplant incorporated
2. PRE —Preemergence
3. SPI —Shallow preplant incorporated
4. EPP —Early preplant; 3-4 weeks before planting
5. POE —Postemergence
6. EP —Early postemergence; weeds less than 2"
7. MP —Mid-postemergence; weeds 2-4"
8. LMP —Late-mid-postemergence
9. LP —Late postemergence; weeds 4-6"
10. LLP —Late, late postemergence; weeds more than 18"
11. POD —Postemergence directed; to the base of the crop plant
12. POT —Post transplant; applied after transplanting
13. SEQ —Sequential application
14. 2LF —Two leaves formed
15. 3LF —Three leaves formed
16. 4LF —Four leaves formed
17. 5LF —Five leaves formed
18. 2"G —2" grass
19. 5"G —5" grass
20. 5DP —Five days prior to planting crop
21. +1D —Sequential treatment applied 1 day after first application
22. +4D —Sequential treatment applied 4 days after first application
23. -3D —Broadleaf material applied 3 days before grass material
24. -5D —Broadleaf material applied 5 days before grass material
25. +3W —Sequential treatment applied 3 weeks after first application
26. +4W —Sequential treatment applied 4 weeks after first application
27. +6W —Sequential treatment applied 6 weeks after first application
28. 10D —Sequential treatment applied 10 days after first application
29. 25D —Sequential treatment applied 25 days after first application
30. 30D —Sequential treatment applied 30 days after first application
31. 8J —6-10" Johnsongrass
32. 16J —12-20" Johnsongrass
33. 17J —15-20" Johnsongrass
34. 20J —15-24" Johnsongrass

TABLE III APRIL CLIMATOLOGICAL DATA, SPINDLETOP

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
4/ 1/85	54	47	--	68	50	55	49	54	44	.31
4/ 2/85	52	36	--	92	37	51	46	51	39	.16
4/ 3/85	67	52	--	56	32	52	47	57	42	.31
4/ 4/85	79	50	--	88	23	54	48	63	47	.42
4/ 5/85	72	65	TRACE	82	45	55	53	61	55	.19
4/ 6/85	51	45	.35	84	41	55	50	61	46	.31
4/ 7/85	52	40	.13	100	41	51	48	50	44	.06
4/ 8/85	47	35	.09	100	30	50	45	51	37	.18
4/ 9/85	44	25	TRACE	98	42	48	42	45	36	.09
4/10/85	55	25	TRACE	97	34	47	42	50	35	.13
4/11/85	69	46	.05	95	51	53	47	60	45	.08
4/12/85	73	44	--	98	37	56	49	62	45	.13
4/13/85	71	54	--	89	55	55	53	62	31	.16
4/14/85	75	54	--	94	53	58	53	67	52	.13
4/15/85	75	56	TRACE	98	55	58	55	67	55	.12
4/16/85	75	47	--	100	56	60	54	67	51	.11
4/17/85	72	44	--	78	43	60	55	70	50	.25
4/18/85	82	56	--	74	55	61	54	73	53	.29
4/19/85	82	62	--	89	50	64	58	77	58	.31
4/20/85	82	60	--	93	54	66	58	80	59	.23
4/21/85	87	60	--	100	43	66	59	78	60	.31
4/22/85	85	63	--	87	32	67	60	79	63	.34
4/23/85	78	66	--	70	51	67	62	74	63	.32
4/24/85	76	63	TRACE	90	46	64	61	72	63	.14
4/25/85	77	46	--	91	31	65	57	77	54	.24
4/26/85	82	52	--	77	22	67	57	77	59	.32
4/27/85	67	63	.17	84	80	67	62	70	64	.01
4/28/85	76	64	.01	84	47	66	62	70	63	.09
4/29/85	73	46	--	71	25	68	58	72	55	.31
4/30/85	80	60	--	66	40	69	59	75	56	.24

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

AVERAGES	SUMMARY											
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD	
	STATION	TEMP	PER	RH		SOILTEMP		PCPN	EVAP			
	HI	LO	AVG	HI	LO	GRASS	BARE					
						HI	LO	HI	LO			
SPINDLETOP	70	51	61	86	43	59	53	66	51	.80	6.29	
EXTREMES FOR PERIOD												
	STATION	TEMP	PCPN	RH		SOILTEMP		EVAP				
		HI	LO		HI	LO	GRASS	BARE				
						HI	LO	HI	LO			
SPINDLETOP	87	25	.35	100	22	69	42	80	31	.42		

TABLE III MAY CLIMATOLOGICAL DATA, SPINDLETOP

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
5/ 1/85	78	61	.41	85	50	68	64	73	64	.10
5/ 2/85	70	60	.36	85	66	64	61	65	61	.04
5/ 3/85	66	49	.10	82	44	66	58	65	55	.23
5/ 4/85	72	43	--	79	18	68	57	69	52	.17
5/ 5/85	76	55	--	71	41	68	60	68	56	.24
5/ 6/85	80	63	--	78	48	70	62	72	59	.41
5/ 7/85	74	60	--	67	32	71	64	74	60	.23
5/ 8/85	76	47	--	88	30	71	61	72	57	.22
5/ 9/85	80	49	--	80	23	73	61	79	57	.25
5/10/85	78	58	--	80	51	72	64	76	63	.19
5/11/85	82	58	--	85	40	73	69	79	63	.24
5/12/85	79	64	.28	85	54	74	67	79	66	.19
5/13/85	88	65	--	85	43	77	65	81	63	.21
5/14/85	78	63	.26	100	63	74	63	77	65	.16
5/15/85	78	64	.22	100	58	74	67	74	65	.35
5/16/85	75	60	.13	100	55	72	65	70	62	.13
5/17/85	61	51	.12	100	77	67	64	63	59	.15
5/18/85	70	43	.01	100	42	69	59	67	52	.26
5/19/85	79	51	--	94	41	73	61	74	56	.18
5/20/85	81	55	--	90	45	75	63	77	58	.25
5/21/85	81	62	.13	100	50	73	65	77	63	.16
5/22/85	58	53	.70	100	81	72	62	71	59	.09
5/23/85	58	54	.46	100	83	63	60	60	59	.04
5/24/85	72	54	.28	98	54	67	59	66	56	.15
5/25/85	81	47	--	100	36	72	60	73	55	.21
5/26/85	81	57	--	92	46	74	64	74	59	.22
5/27/85	85	65	.76	99	57	74	66	76	63	.25
5/28/85	70	64	.29	100	77	72	67	70	65	.13
5/29/85	76	54	--	100	55	74	64	76	61	.18
5/30/85	86	59	--	100	61	78	67	77	63	.25
5/31/85	80	73	--	97	84	75	70	75	68	.19

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AVERAGES	SUMMARY											
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD	
	STATION	TEMP	PER	RH		SOILTEMP		PCPN	EVAP			
	HI	LO	AVG	HI	LO	GRASS	BARE					
						HI	LO	HI	LO			
SPINDLETOP	76	57	67	91	52	71	63	73	60	4.51	6.07	
	EXTREMES FOR PERIOD											
	HI	LO		HI	LO	GRASS	BARE					
						HI	LO	HI	LO			
SPINDLETOP	88	43	.76	100	18	78	57	81	52	.41		

TABLE III JUNE CLIMATOLOGICAL DATA, SPINDLETOP

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
6/ 1/85	81	60	--	100	50	78	67	79	69	.26
6/ 2/85	81	63	.45	100	63	78	69	77	66	.19
6/ 3/85	85	63	.14	100	57	79	69	82	66	.15
6/ 4/85	80	65	.28	100	76	79	73	79	68	.18
6/ 5/85	80	69	.16	100	73	79	72	78	68	.11
6/ 6/85	75	64	.01	100	62	78	72	75	66	.15
6/ 7/85	80	65	.50	100	75	75	71	76	67	.11
6/ 8/85	83	64	--	100	62	80	71	81	67	.22
6/ 9/85	86	68	--	98	68	81	73	81	69	.32
6/10/85	84	61	1.93	100	57	81	70	81	67	.27
6/11/85	81	68	1.04	100	75	80	73	77	69	.12
6/12/85	66	51	.16	100	81	77	68	76	68	.13
6/13/85	68	45	--	100	44	73	64	70	52	.23
6/14/85	74	50	--	100	38	75	65	74	55	.20
6/15/85	79	61	--	82	54	74	68	72	62	.21
6/16/85	82	69	--	97	46	78	68	81	65	.33
6/17/85	80	67	.01	97	68	76	70	76	65	.10
6/18/85	78	64	--	100	50	77	72	79	65	.28
6/19/85	74	58	.03	98	59	78	68	77	63	.22
6/20/85	77	53	--	100	49	75	66	77	59	.22
6/21/85	82	57	--	92	57	75	67	81	62	.18
6/22/85	82	64	.01	100	72	75	69	82	66	.15
6/23/85	86	70	--	100	55	78	69	84	67	.29
6/24/85	83	67	.18	100	70	78	71	81	69	.11
6/25/85	88	64	--	100	50	82	71	87	67	.24
6/26/85	87	68	--	99	57	82	74	88	70	.28
6/27/85	82	60	--	99	41	82	72	89	68	.35
6/28/85	81	56	--	100	43	79	71	87	67	.25
6/29/85	84	57	--	100	40	80	71	87	67	.23
6/30/85	84	60	.08	100	45	80	71	88	68	.28

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AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP
	HI	LO	AVG	HI	LO	GRASS		BARE			
						HI	LO	HI	LO		
SPINDLETOP	80	62	71	99	58	78	70	80	66	4.98	6.36
EXTREMES FOR PERIOD											
STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	
	HI	LO		HI	LO	GRASS		BARE			
						HI	LO	HI	LO		
SPINDLETOP	88	45	1.93	100	38	82	64	89	52	.35	

TABLE III JULY CLIMATOLOGICAL DATA, SPINDLETOP

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
7/ 1/85	77	65	1.58							
7/ 2/85	78	61	.04							
7/ 3/85	84	62	.43							
7/ 4/85	84	62	.01							
7/ 5/85	84	62	--							
7/ 6/85	82	64	--							
7/ 7/85	85	59	--							
7/ 8/85	88	66	--							
7/ 9/85	90	74	.60							
7/10/85	88	74	.18							
7/11/85	85	63	--							
7/12/85	88	66	--							
7/13/85	90	68	--	100	57	86	75	90	72	.30
7/14/85	93	70	--	92	57	84	76	93	72	.26
7/15/85	92	69	.28	100	65	85	77	93	74	.21
7/16/85	84	63	--	100	40	83	76	90	69	.26
7/17/85	84	53	--	97	45	84	73	90	66	.28
7/18/85	88	50	--	100	46	84	72	92	66	.26
7/19/85	90	59	--	100	52	84	74	92	70	.21
7/20/85	90	62	--	100	52	83	75	90	72	.21
7/21/85	87	64	1.58	100	65	82	77	88	72	.16
7/22/85	81	67	.18	100	73	77	74	79	69	.06
7/23/85	81	64	--	100	52	79	74	82	68	.24
7/24/85	87	60	--	95	61	79	73	83	66	.28
7/25/85	85	65	--	100	68	80	75	84	69	.21
7/26/85	77	71	.31	100	92	79	76	83	73	.07
7/27/85	81	61	.04	100	51	80	72	82	66	.28
7/28/85	86	58	--	99	56	79	72	85	65	.23
7/29/85	88	69	--	100	61	81	75	85	71	.15
7/30/85	87	70	1.29	100	65	81	77	85	73	.32
7/31/85	84	70	.15	100	80	78	75	80	72	.07

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

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
SPINDLETOP	85	64	75	99	60	81	75	87	70	6.67	4.06

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
SPINDLETOP	93	50	1.58	100	40	86	72	93	65	.32

TABLE III AUGUST CLIMATOLOGICAL DATA, SPINDLETOP

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/85	75	67	.53	100	89	78	75	80	72	.18
8/ 2/85	77	57	--	92	59	78	72	79	63	.30
8/ 3/85	83	57	--	97	53	77	71	81	63	.16
8/ 4/85	83	62	--	98	62	77	73	81	68	.25
8/ 5/85	74	68	.04	99	74	77	74	77	69	.11
8/ 6/85	83	67	TRACE	100	72	75	72	78	68	.17
8/ 7/85	78	67	.03	100	81	76	73	77	69	.09
8/ 8/85	86	62	--	100	60	78	62	82	67	.17
8/ 9/85	86	64	--	100	60	79	74	85	71	.24
8/10/85	91	62	--	100	55	84	74	86	70	.22
8/11/85	89	68	--	93	52	81	76	86	74	.24
8/12/85	91	67	--	100	48	81	76	87	74	.23
8/13/85	91	73	--	96	54	82	77	87	76	.29
8/14/85	90	74	--	100	53	81	77	86	75	.23
8/15/85	82	70	.94	100	81	87	81	85	76	.28
8/16/85	75	69	.64	100	88	76	74	77	71	.09
8/17/85	85	68	.12	100	73	79	75	80	71	.15
8/18/85	87	64	--	100	59	80	75	83	70	.20
8/19/85	87	64	--	100	59	80	76	83	71	.30
8/20/85	69	62	.20	100	91	80	74	77	67	.04
8/21/85	79	59	--	100	49	76	72	79	65	.12
8/22/85	78	56	--	100	48	76	71	80	64	.23
8/23/85	81	61	--	99	52	77	72	82	67	.24
8/24/85	77	67	.63	100	78	77	73	81	69	.15
8/25/85	79	68	.30	100	66	75	73	78	69	.11
8/26/85	78	63	.05	100	62	74	72	78	67	.17
8/27/85	81	58	--	100	52	76	72	80	65	.18
8/28/85	83	57	--	100	50	75	71	81	65	.17
8/29/85	85	60	--	100	58	76	71	80	65	.17
8/30/85	81	65	.43	100	77	75	72	79	68	.13
8/31/85	80	59	--	100	61	75	71	80	66	.14

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

AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP		PER AVG	RH		SOILTEMP				PCPN	EVAP
	HI	LO		HI	LO	GRASS		BARE			
						HI	LO	HI	LO		
SPINDLETOP	82	64	73	99	64	78	73	81	69	3.91	5.75

STATION	EXTREMES FOR PERIOD									
	TEMP		PCPN	RH		SOILTEMP				EVAP
HI	LO	HI		LO	GRASS		BARE			
						HI	LO	HI	LO	
SPINDLETOP	91	56	.94	100	48	87	62	87	63	.30

TABLE III SEPTEMBER CLIMATOLOGICAL DATA, SPINDLETOP

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO	HI	LO
9/ 1/85	86	57	--	100	53	75	70	81	65	.13
9/ 2/85	88	67	--	100	52	78	73	82	69	.29
9/ 3/85	87	67	--	100	58	78	73	83	70	.32
9/ 4/85	86	70	--	100	54	77	73	81	71	.34
9/ 5/85	86	73	.14	100	70	77	73	80	71	.10
9/ 6/85	88	73	--	100	65	78	74	82	71	.15
9/ 7/85	90	71	--	100	59	80	75	85	71	.25
9/ 8/85	91	71	--	100	58	81	75	85	73	.16
9/ 9/85	90	70	--	100	57	81	76	87	74	.31
9/10/85	84	72	.11	100	70	80	76	84	74	.12
9/11/85	74	65	--	100	64	79	73	80	69	.18
9/12/85	73	51	--	100	40	76	69	76	63	.22
9/13/85	67	46	--	100	40	73	66	76	59	.25
9/14/85	70	44	--	100	44	71	64	73	57	.14
9/15/85	75	44	--	100	40	70	63	75	58	.16
9/16/85	77	44	--	100	37	70	63	76	58	.18
9/17/85	82	52	--	100	41	71	64	77	61	.20
9/18/85	84	57	--	100	37	72	65	78	63	.28
9/19/85	84	52	--	100	35	72	65	80	63	.26
9/20/85	86	53	--	100	36	73	66	80	63	.17
9/21/85	85	53	--	100	37	73	64	81	64	.24
9/22/85	86	59	--	97	37	76	73	80	65	.24
9/23/85	78	62	.02	100	65			75	67	.14
9/24/85	74	48	.20	100	41	72	64	72	60	.19
9/25/85	78	42	--	100	34	69	64	71	55	.18
9/26/85	70	57	.57	100	56	66	65	71	62	.16
9/27/85	67	45	--	100	52	66	63	67	54	.18
9/28/85	70	41	--	100	44	64	61	66	52	.12
9/29/85	76	48	--	100	38	64	62	66	54	.18
9/30/85	80	58	--	91	61	65	63	68	58	.18

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AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP		PER	RH		SOILTEMP				PCPN	EVAP
	HI	LO	AVG	HI	LO	GRASS		BARE			
						HI	LO	HI	LO		
SPINDLETOP	80	57	69	100	49	73	68	77	64	1.04	6.02
						*	*				
STATION	EXTREMES FOR PERIOD										
	TEMP		PCPN	RH		SOILTEMP				EVAP	
	HI	LO		HI	LO	GRASS		BARE			
						HI	LO	HI	LO		
SPINDLETOP	91	41	.57	100	34	81	61	87	52	.34	

TABLE 111 APRIL CLIMATOLOGICAL DATA, PRINCETON

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
4/ 1/85	63	34	--	100	42	58	51			
4/ 2/85	55	30	--	100	38	56	48			
4/ 3/85	73	45	--	100	44	58	50			
4/ 4/85	78	58	--	100	40	60	52			
4/ 5/85	72	48	.55	100	40	58	50			
4/ 6/85	56	48	--	100	60	58	51			
4/ 7/85	56	42	.10	100	52	58	51			
4/ 8/85	58	34	.02	100	48	58	51			
4/ 9/85	52	25	--	100	30	50	45			
4/10/85	64	30	--	82	36	55	48			
4/11/85	71	54	--	68	56	55	50			
4/12/85	70	55	--	100	48	57	54			
4/13/85	73	54	.27	100	62	60	55			
4/14/85	70	56	.90	100	76	60	57			
4/15/85	65	54	.04	100	48	60	57			
4/16/85	74	49	--	100	68	62	58			
4/17/85	81	50	--	100	42	65	60			
4/18/85	83	56	--	100	50	66	62			
4/19/85	82	60	--	100	56	72	64			
4/20/85	84	61	--	100	48	68	64			
4/21/85	84	59	--	100	48	67	62			
4/22/85	85	65	--	100	42	68	64			
4/23/85	84	65	--	100	68	69	65			
4/24/85	76	59	2.45	100	68	69	65			
4/25/85	76	58	--	100	40	70	64			
4/26/85	78	58	--	98	70	70	64			
4/27/85	76	62	1.28	100	99	71	65			
4/28/85	76	62	.03	100	86	68	62			
4/29/85	78	58	--	100	50	71	66			
4/30/85	79	50	--	100	66	71	66			

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AVERAGES	SUMMARY						FOR PERIOD	
	FOR PERIOD			ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP		
	HI	LO	AVG	HI	LO	GRASS	BARE	
						HI	LO	
PRINCETON	72	51	62	98	54	63	57	5.64

STATION	EXTREMES FOR PERIOD						
	TEMP	PCPN	RH	SOILTEMP	EVAP		
	HI	LO	HI	LO	GRASS	BARE	
					HI	LO	
PRINCETON	85	25	2.45	100	30	72	45

TABLE 111 MAY CLIMATOLOGICAL DATA, PRINCETON

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
5/ 1/85	78	60	1.07	100	100	70	66			
5/ 2/85	70	53	.58	100	100	70	64			
5/ 3/85	67	48	.08	100	60	70	63			
5/ 4/85	73	46	--	100	52	72	62			
5/ 5/85	79	57	--	100	54	70	63			
5/ 6/85	80	64	--	100	64	69	63			
5/ 7/85	64	62	.08	100	100	68	62			
5/ 8/85	78	52	--	100	32	72	66			
5/ 9/85	79	48	--	96	44	72	64			
5/10/85	74	60	--	94	68	73	68			
5/11/85	77	60	--	94	56	71	67			
5/12/85	84	66	.14	96	58	72	68			
5/13/85	88	65	--	100	40	73	69			
5/14/85	88	70	.05	100	48	74	70			
5/15/85	78	59	--	96	50	74	70			
5/16/85	71	59	--	96	62	74	70			
5/17/85	68	58	.03	98	70	70	68			
5/18/85	72	58	--	96	32	70	66			
5/19/85	78	46	--	94	28	76	61			
5/20/85	80	54	--	94	68	74	68			
5/21/85	81	58	--	95	68	75	76			
5/22/85	80	56	2.70	100	100	75	74			
5/23/85	68	52	.66	100	39	74	70			
5/24/85	76	50	--	96	38	72	68			
5/25/85	80	49	--	96	32	73	68			
5/26/85	83	57	--	96	50	73	63			
5/27/85	84	68	--	100	54	73	63			
5/28/85	72	62	.35	100	60	74	70			
5/29/85	82	58	--	100	64	75	72			
5/30/85	85	68	--	100	72	76	74			
5/31/85	86	76	--	100	64	76	75			

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AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP		PER AVG	RH		SOILTEMP				PCPN	EVAP
	HI	LO		HI	LO	GRASS		BARE			
						HI	LO	HI	LO		
PRINCETON	78	58	68	98	59	73	67			5.74	
STATION	EXTREMES FOR PERIOD										
	TEMP		PCPN	RH		SOILTEMP				EVAP	
HI	LO	HI		LO	GRASS		BARE				
						HI	LO	HI	LO		
PRINCETON	88	46	2.70	100	28	76	61				

TABLE III JUNE CLIMATOLOGICAL DATA, PRINCETON

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
6/ 1/85	88	58	--	100	72	78	76			
6/ 2/85	88	64	.60	98	60	76	70			
6/ 3/85	87	65	.86	98	82	79	78			
6/ 4/85	88	65	.20	100	68	79	76			
6/ 5/85	81	70	.03	100	70	78	74			
6/ 6/85	80	68	.36	100	82	77	73			
6/ 7/85	83	66	.48	100	80	78	74			
6/ 8/85	82	65	--	98	64	78	74			
6/ 9/85	88	65	--	96	60	80	74			
6/10/85	87	66	--	100	64	82	74			
6/11/85	87	65	.25	100	64	82	75			
6/12/85	75	56	.62	100	50	80	73			
6/13/85	72	46	--	100	38	78	70			
6/14/85	78	62	--	100	42	77	70			
6/15/85	83	64	.08	100	52	78	70			
6/16/85	87	64	--	96	36	80	70			
6/17/85	87	66	.78	100	80	80	72			
6/18/85	79	56	.05	96	48	78	70			
6/19/85	80	63	TRACE	96	42	76	70			
6/20/85	80	63	TRACE	96	38	76	70			
6/21/85	84	62	--	98	62	76	70			
6/22/85	81	68	.05	96	46	76	71			
6/23/85	88	68	--	96	54	77	71			
6/24/85	92	72	--	100	42	78	73			
6/25/85	90	67	.74	96	62	79	74			
6/26/85	90	68	1.20	98	54	79	73			
6/27/85	87	68	.51	96	62	80	74			
6/28/85	85	65	.57	98	92	78	75			
6/29/85	80	66	.03	96	68	76	72			
6/30/85	82	60	1.47	98	46	80	74			

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AVERAGES	SUMMARY						FOR PERIOD	
	FOR PERIOD			ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP		
	HI	LO	AVG	HI	LO	GRASS	BARE	
						HI	LO	
PRINCETON	84	64	74	98	59	78	73	8.88

STATION	EXTREMES FOR PERIOD						
	TEMP	PCPN	RH	SOILTEMP	EVAP		
	HI	LO	HI	LO	GRASS	BARE	
					HI	LO	
PRINCETON	92	46	1.47	100	36	82	70

TABLE III JULY CLIMATOLOGICAL DATA, PRINCETON

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
				HI			LO	HI	LO		
7/ 1/85		69	62	.17	96	84	75	72			
7/ 2/85		83	59	.03	96	50	78	72			
7/ 3/85		86	67	--	96	52	76	73			
7/ 4/85		86	64	.83	96	56	78	73			
7/ 5/85		82	64	3.00	82	64	77	74			
7/ 6/85		84	61	.51	96	62	78	75			
7/ 7/85		86	60	--	96	44	80	75			
7/ 8/85		91	70	--	98	62	81	76			
7/ 9/85		92	74	--	96	52	81	78			
7/10/85		92	74	TRACE	96	64	82	76			
7/11/85		88	65	--	96	48	81	76			
7/12/85		93	67	--	96	46	82	78			
7/13/85		93	77	--	96	60	83	78			
7/14/85		92	74	--	96	52	84	75			
7/15/85		93	77	--	96	62	84	77			
7/16/85		90	70	--	96	42	84	78			
7/17/85		86	59	--	96	42	84	80			
7/18/85		88	62	--	96	44	84	80			
7/19/85		92	65	--	96	52	86	80			
7/20/85		93	72	--	96	56	84	76			
7/21/85		92	71	--	98	52	84	75			
7/22/85		88	69	.68	96	56	84	76			
7/23/85		88	69	--	96	50	84	78			
7/24/85		90	70	--	96	56	84	78			
7/25/85		89	66	TRACE	96	66	84	78			
7/26/85		86	71	.19	96	78	82	77			
7/27/85		84	64	--	96	42	83	78			
7/28/85		86	62	--	96	56	80	76			
7/29/85		87	71	--	96	64	80	77			
7/30/85		91	70	--	96	52	82	76			
7/31/85		91	73	--	96	58	83	79			

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AVERAGES	SUMMARY						FOR PERIOD	
	FOR PERIOD			ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP		
	HI	LO	AVG	HI	LO	GRASS	BARE	
						HI	LO	
PRINCETON	88	68	78	96	56	82	76	5.41

STATION	EXTREMES FOR PERIOD							
	TEMP	PCPN	RH	SOILTEMP	EVAP			
	HI	LO	HI	LO	GRASS	BARE	HI	LO
					HI	LO	HI	LO
PRINCETON	93	59	3.00	98	42	86	72	

TABLE III AUGUST CLIMATOLOGICAL DATA, PRINCETON

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/85	90	70	.33	96	90	82	78			
8/ 2/85	82	60	--	96	48	82	78			
8/ 3/85	82	62	--	92	42	82	78			
8/ 4/85	85	61	--	96	56	79	74			
8/ 5/85	83	64	1.81	98	72	79	72			
8/ 6/85	85	68	--	96	60	76	71			
8/ 7/85	86	68	--	96	58	79	75			
8/ 8/85	89	67	--	96	48	80	76			
8/ 9/85	90	67	--	96	40	81	77			
8/10/85	88	64	--	94	68	81	78			
8/11/85	87	70	--	96	60	82	77			
8/12/85	93	68	--	98	68	82	78			
8/13/85	92	72	--	96	50	84	79			
8/14/85	91	74	--	94	48	84	80			
8/15/85	90	72	.79	96	88	82	78			
8/16/85	78	68	1.24	98	92	82	78			
8/17/85	90	67	--	96	56	82	78			
8/18/85	88	64	--	94	54	82	76			
8/19/85	89	66	.17	96	52	82	77			
8/20/85	75	62	1.08	98	82	78	76			
8/21/85	80	60	--	96	48	79	74			
8/22/85	80	60	--	96	48	80	78			
8/23/85	80	65	.41	98	82	79	75			
8/24/85	80	65	1.64	98	90	78	77			
8/25/85	78	64	.29	96	52	76	72			
8/26/85	81	58	--	98	42	76	73			
8/27/85	84	55	--	98	38	78	76			
8/28/85	86	58	--	96	46	80	76			
8/29/85	89	64	--	100	42	78	74			
8/30/85	90	68	--	100	58	80	76			
8/31/85	88	65	.21	100	52	80	76			

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AVERAGES	SUMMARY						FOR PERIOD	
	FOR PERIOD			ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP		
	HI	LO	AVG	HI	LO	GRASS	BARE	
						HI	LO	
PRINCETON	85	65	75	97	59	80	76	7.97
STATION	EXTREMES FOR PERIOD						EVAP	
	TEMP	PCPN	RH	SOILTEMP				
	HI	LO	HI	LO	GRASS	BARE		
					HI	LO	HI	LO
PRINCETON	93	55	1.81	100	38	84	71	

TABLE III SEPTEMBER CLIMATOLOGICAL DATA, PRINCETON

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
9/ 1/85	88	62	--	98	42	80	75			
9/ 2/85	88	67	--	96	56	80	76			
9/ 3/85	87	72	--	96	60	80	76			
9/ 4/85	88	72	.02	96	68	82	77			
9/ 5/85	84	69	1.73	98	86	80	75			
9/ 6/85	89	72	--	98	68	81	76			
9/ 7/85	91	73	--	98	68	82	78			
9/ 8/85	92	72	--	98	68	82	79			
9/ 9/85	90	72	--	96	52	82	80			
9/10/85	89	72	--	98	60	82	80			
9/11/85	83	62	--	96	38	80	76			
9/12/85	76	58	--	98	50	78	74			
9/13/85	74	55	--	96	42	76	72			
9/14/85	74	48	--	98	52	77	69			
9/15/85	75	47	--	98	38	76	68			
9/16/85	78	47	--	98	40	73	67			
9/17/85	82	56	--	96	42	73	68			
9/18/85	84	59	--	96	38	72	68			
9/19/85	84	55	--	96	40	72	68			
9/20/85	83	53	--	98	36	74	70			
9/21/85	84	62	--	96	58	74	70			
9/22/85	85	54	--	98	42	73	68			
9/23/85	77	65	.24	100	78	74	70			
9/24/85	75	41	.72	96	62	70	68			
9/25/85	75	45	--	96	40	68	66			
9/26/85	72	48	.42	96	50	66	64			
9/27/85	68	40	--	96	62	64	62			
9/28/85	72	42	--	96	40	66	64			
9/29/85	74	44	--	96	38	64	62			
9/30/85	75	50	.76	96	60	68	64			

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

AVERAGES	SUMMARY						FOR PERIOD	
	FOR PERIOD			ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP		
	HI	LO	AVG	HI	LO	GRASS	BARE	
						HI	LO	
PRINCETON	81	58	70	97	52	75	71	3.89

STATION	EXTREMES FOR PERIOD						
	TEMP	PCPN	RH	SOILTEMP	EVAP		
	HI	LO	HI	LO	GRASS	BARE	
					HI	LO	
PRINCETON	92	40	1.73	100	36	82	62

CHEMICAL/COMMON	TRADE NAME	COMPANY
2,4-D AMINE	FORMULA 40, WEEDAR 64	VERTAC, UNION CARBIDE
2,4-DB	BUTYRAC 200	UNION CARBIDE
2,4-D ESTER	ESTERON 99	VERTAC
AC 499		AMERICAN CYANAMID
ACIFLUORFEN 1	BLAZER 2L	ROHM & HAAS
ACIFLUORFEN 2	TACKLE	RHONE POULENC
AFX 1309		UNION CARBIDE
ALACHLOR	LASSO 4E, 4MT	MONSANTO
ALACHLOR + ATRAZINE	LASSO/ATRAZINE	MONSANTO
ALACHLOR + GLYPHOSATE	BRONCO (LASSO 2.5 + ROUNDUP 1.5)	MONSANTO
AMMONIUM SULFATE		
ATRAZINE	SHELL ATRAZINE, AATREX, AATREX NINE-0	SHELL, CIBA GEIGY
BAS 517		BASF
BENAZOLIN		NORAM
BENEFIN	BALAN	ELANCO
BENTAZON	BASAGRAN	BASF
BIFENOX	MODOWN	RHONE POULENC
BROMOXYNIL	BROMINAL ME4	UNION CARBIDE
BROMOXYNIL 2	BUCTRIL	RHONE POULENC
BUTYLATE + R25788	SUTAN +	STAUFFER
BUTYLATE + R33865	SUTAN PKG. MIX W/R33865	STAUFFER
CGA 172764		CIBA GEIGY
CGA 174104		CIBA GEIGY
CGA 24704		CIBA GEIGY
CHLORAMBEN	AMIBEN 10G, 75DS	UNION CARBIDE
CHLORPROPHAM	FURLOE	PPG
CLOPROXYDIM	SELECTONE	CHEVRON
CN 6180		VELSICOL
CYANAZINE	BLADEX 4L	SHELL
CYCLOATE	RO-NEET	STAUFFER
CYCLOATE + R25788	RO-NEET + R25788	STAUFFER
CYCLOATE + R29148	RO-NEET + R29148	STAUFFER
CROP OIL CONCENTRATE	AMOCO, PEPTOIL, TORCH	
DICAMBA	BANVEL	VELSICOL
DIPHENAMID	ENIDE	NORAM
DOWCO 356	TANDEM	DOW
DOWCO 453	VERDICT	DOW
DPX F6025	CLASSIC	DUPONT
DPX F6025 + METRIBUZIN	CANOPY	DUPONT
DPX M6316		DUPONT
DPX 8259		DUPONT
DPX 9674		DUPONT
EL 107		ELANCO
EPTC + R25788	ERADICANE	STAUFFER
EPTC + R25788 + R33865	ERADICANE EXTRA	STAUFFER
ETHALFLURALIN	SONALAN	ELANCO
FMC 57020	COMMAND	FMC
FLUAZIFOP-BUTYL	FUSILADE, FUSILADE 2000	ICI
GLYPHOSATE	ROUNDUP	MONSANTO
HOE 581	WHIP	AMERICAN HOECHST
HOE 39866 (661)	HOE 661 (BASTA)	AMERICAN HOECHST

IMAZAQUIN
ISOPROPALIN
LINURON
LIQUID FERTILIZER
METALACHLOR
METALACHLOR + ATRAZINE
METHAZOLE
METRIBUZIN 1
METRIBUZIN 1 OR 2
METRIBUZIN 2
MZH 2091
NANPA/DN
NAPROPAMIDE
NAPTALAM + 2,4-DB
ORYZALIN
PARAQUAT
PEBULATE
PENDIMETHALIN
PPG 844
PPG 1013
PPG 1259
PRODIAMINE
PYRIDATE
R40224
RE 39571
RH-0265
SC 0051
SC 0058
SC 0224
SC 0774
SC 1084
SC 5676
SD 95481
SD 15418
SETHOXYDIM
SIMAZINE
SURFACTANT
TRIFLURALIN
VERNOLATE + R33865
Y6202

SCEPTER
PAARLAN
LOROX

DUAL
BICEP 4.5,6L

SENCOR 4L,75DF
METRIBUZIN
LEXONE 4L,75DF

DYANAP 3E
DEVRIKOL
RESCUE
SURFLAN
PARAQUAT PLUS
TILLAM
PROWL
COBRA

RS/010
RACER

CINCH
BLADIX DF
POAST
PRINCEP
X-77,TRITON AG 98
TREFLAN
REWARD
ASSURE

AMERICIN CYANAMID
ELANCO
DUPONT

CIBA GEIGY
CIBA GEIGY
VELSICOL
MOBAY

DUPONT
MOBAY
UNIROYAL
STAUFFER
UNIROYAL
ELANCO
CHEVRON
STAUFFER
AMERICAN CYANAMID
PPG
PPG
PPG
VELSICOL
RIVERSIDE TERRA
STAUFFER
CHEVRON
ROHM & HAAS
STAUFFER
STAUFFER
STAUFFER
STAUFFER
STAUFFER
SHELL
SHELL
BASF
CIBA GEIGY

ELANCO
STAUFFER
DUPONT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE C5001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 6						JULY 6					
					GRAS	BRLE	CRIN	GIFT	VELE	JIWE	ILMG	CRIN	GIFT	VELE	JIWE	ILMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	82	0	98	92	92	82	0	82	38	25	28
2	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	92	72	0	92	92	92	75	0	90	38	35	32
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	0	100	100	100	98	0	98	100	100	92
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
4A	ALACHLOR	4.00 MT	7.500 LB/AC	PRE	100	100	5	100	100	100	100	0	100	100	100	95
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
5A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	100	100	0	100	100	100	100	0	100	100	100	95
5B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
6A	ALACHLOR	4.00 E	7.500 LB/AC	PRE	100	100	8	100	100	100	100	0	100	100	100	100
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
7A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	98	8	100	100	100	100	0	98	100	95	82
7B	CYANAZINE	4.00 L	2.000 LB/AC	PRE												
7C	ATRAZINE	4.00 L	1.000 LB/AC	PRE												
8	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	78	0	95	85	82	75	0	82	40	32	30
9	METOLACHLOR	8.00 E	3.000 LB/AC	PRE	100	82	0	100	98	90	82	0	90	78	35	30
10A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	95	0	98	98	100	95	0	95	98	100	82
10B	ATRAZINE	4.00 L	.750 LB/AC	PRE												
11A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	100	0	100	100	100	100	0	100	100	100	92
11B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
12A	METOLACHLOR	8.00 E	7.500 LB/AC	PRE	100	98	2	100	100	100	98	0	100	95	100	95
12B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
13A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	92	0	100	95	95	92	0	100	95	88	88
13B	PPG 1259	.50 EC	.150 LB/AC	PRE												
14A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	90	0	98	95	98	92	0	95	90	98	88
14B	PPG 1013	.25 EC	.150 LB/AC	PRE												
15A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	85	0	98	92	92	85	0	98	68	65	62
15B	PPG-844	2.00 E	.150 LB/AC	PRE												
16A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	98	0	100	100	100	98	0	98	92	98	95
16B	ATRAZINE	4.00 L	.750 LB/AC	PRE												
16C	PPG 1259	.50 EC	.150 LB/AC	PRE												

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TABLE C5001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 6-----			-----JULY 6-----								
					GRAS	BRLE	CRIN	GIFT	VELE	JIWE	ILMG	CRIN	GIFT	VELE	JIWE	ILMG
17A	METOLACHLOR	8.00 E	2.500	LB/AC PRE	100	95	0	100	100	100	95	0	100	100	100	92
17B	ATRAZINE	4.00 L	.750	LB/AC PRE												
17C	PPG 1013	.25 EC	.150	LB/AC PRE												
18A	METOLACHLOR	8.00 E	2.500	LB/AC PRE	100	95	0	100	98	100	95	0	100	92	100	90
18B	ATRAZINE	4.00 L	.750	LB/AC PRE												
18C	PPG-844	2.00 E	.150	LB/AC PRE												
19	ATRAZINE	4.00 L	2.000	LB/AC PRE	98	100	2	95	100	100	100	0	55	68	68	68
20	CYANAZINE	4.00 L	3.000	LB/AC PRE	98	98	2	98	100	100	98	0	82	90	80	65
21	BIFENOX	4.00 L	2.000	LB/AC PRE	85	85	8	85	90	88	88	0	48	98	45	38
22A	BIFENOX	4.00 L	2.000	LB/AC PRE	100	98	10	100	100	100	98	0	92	100	55	55
22B	ALACHLOR	4.00 MT	2.500	LB/AC PRE												
23	R-40244	2.00 L	.380	LB/AC PRE	88	88	5	88	92	88	92	0	62	75	78	75
24	R-40244	2.00 L	.500	LB/AC PRE	90	85	2	90	92	85	85	0	75	80	80	78
25A	R-40244	2.00 L	.380	LB/AC PRE	100	92	5	100	100	95	92	0	95	68	80	82
25B	METOLACHLOR	8.00 E	1.500	LB/AC PRE												
26A	R-40244	2.00 L	.500	LB/AC PRE	100	90	8	100	100	95	88	0	98	60	75	90
26B	METOLACHLOR	8.00 E	1.500	LB/AC PRE												
27A	R-40244	2.00 L	.380	LB/AC PRE	92	98	2	92	98	98	98	0	80	80	90	98
27B	ATRAZINE	4.00 L	.750	LB/AC PRE												
28A	R-40244	2.00 L	.500	LB/AC PRE	92	95	8	92	100	100	95	0	82	88	100	95
28B	ATRAZINE	4.00 L	.750	LB/AC PRE												
29A	R-40244	2.00 L	.380	LB/AC PRE	100	98	8	100	98	98	95	0	98	90	100	92
29B	ATRAZINE	4.00 L	.750	LB/AC PRE												
29C	METOLACHLOR	8.00 E	1.500	LB/AC PRE												
30	CYANAZINE + ATRAZINE	4.00 L	3.000	LB/AC PRE	98	98	0	98	100	98	100	0	85	98	82	90
31A	CYANAZINE + ATRAZINE	4.00 L	3.000	LB/AC PRE	100	100	0	100	100	100	100	0	92	95	98	90
31B	ALACHLOR	4.00 MT	2.000	LB/AC PRE												
32A	CGA 172764	2.09 EC	2.500	LB/AC PRE	100	100	0	100	100	100	100	0	100	100	100	88
32B	ATRAZINE	4.00 L	1.500	LB/AC PRE												

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TABLE C5001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 6-----						-----JULY 6-----					
					GRAS	BRLE	CRIN	GIFT	VELE	JIWE	ILMG	CRIN	GIFT	VELE	JIWE	ILMG
33A	CGA 172764	2.09 EC	7.500 LB/AC	PRE	100	100	0	100	100	100	100	0	100	100	100	98
33B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
34A	CGA 174104	2.09 EC	2.500 LB/AC	PRE	100	100	0	100	100	100	100	0	98	100	100	90
34B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
35A	CGA 174104	2.09 EC	7.500 LB/AC	PRE	100	100	0	100	100	100	100	0	100	100	100	95
35B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
36	SC 0051	.50 E	1.000 LB/AC	PRE	72	98	0	80	100	100	98	0	32	92	95	88
37	SC 0051	.50 E	1.500 LB/AC	PRE	72	90	0	72	92	90	90	0	45	98	98	92
38	SC 0051	.50 E	2.000 LB/AC	PRE	82	95	0	82	100	100	95	0	52	100	100	90
39A	SC 0051	.50 E	1.000 LB/AC	PRE	92	100	2	92	100	100	100	0	82	100	98	90
39B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
40A	SC 0051	.50 E	1.500 LB/AC	PRE	90	100	0	90	100	100	100	0	80	100	100	90
40B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
41A	SC 0051	.50 E	1.500 LB/AC	PRE	100	98	0	100	100	100	95	0	98	100	100	92
41B	METOLACHLOR	8.00 E	1.500 LB/AC	PRE												
42	SC 5676	4.00 E	.750 LB/AC	PRE	100	85	0	100	95	92	85	0	98	55	52	45
43	SC 5676	4.00 E	1.500 LB/AC	PRE	100	85	5	100	98	98	85	0	98	55	50	50
44A	SC 5676	4.00 E	.750 LB/AC	PRE	100	100	2	100	100	100	100	0	90	98	100	98
44B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
45A	SC 5676	4.00 E	1.500 LB/AC	PRE	100	98	0	100	100	100	100	0	88	98	88	95
45B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
46	SC 0774	1.00 E	.500 LB/AC	PRE	90	75	2	90	95	82	82	0	88	92	62	62
47	SC 0774	1.00 E	1.000 LB/AC	PRE	95	88	0	95	92	88	85	0	88	88	58	52
48	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD(05):		5	8	4	6	5	5	7	0	6	6	5	7

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TABLE C5001 CORN PREEMERGENCE

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.6 O.M.: 3.3%
DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 6
VARIETY: PIONEER 3369A

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TABLE C5002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 13-----							
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	RRPW
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	100	70	0	100	100	63	97	93
1B	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI								
2	METALACHLOR + ATRAZI	4.50 F	4.500 LB/AC	PPI	97	93	0	97	100	93	100	93
3A	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PPI	100	93	0	100	100	93	97	100
3B	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI								
4A	RE 39571	3.00 E	1.500 LB/AC	PPI	87	93	77	87	97	97	97	100
4B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
5A	RE 39571	3.00 E	2.000 LB/AC	PPI	97	97	63	97	93	100	100	100
5B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
6A	ALACHLOR PKG MIX	2.50 L	2.500 LB/AC	PPI	97	100	0	97	100	100	100	100
6B	WITH ATRAZINE	1.50	1.500	PPI								
7A	EPTC + R-25788	6.70 E	6.000 LB/AC	PPI	97	100	0	97	100	100	100	100
7B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
8A	EPTC+R25788+R33865	6.00 EC	6.000 LB/AC	PPI	100	100	0	100	100	100	100	100
8B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
9A	ERADICANE + R33865	6.00 E	6.000 LB/AC	PPI	100	100	0	100	100	100	100	100
9B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
10A	EPTC + R-25788	6.70 E	6.000 LB/AC	PP1	100	100	0	100	100	100	100	100
10B	SC 0058	6.00 E	1.000 LB/AC	PPI								
10C	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
11A	EPTC + R-25788	6.70 E	6.000 LB/AC	PPI	100	100	0	100	100	100	100	100
11B	SC 0058	6.00 E	2.000 LB/AC	PPI								
11C	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
12A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	100	100	0	100	100	100	100	100
12B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
13A	BUTYLATE+ + R 33865	6.00 E	6.000 LB/AC	PPI	97	100	30	97	100	100	100	100
13B	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
14A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	100	100	0	100	100	100	100	100
14B	SC 0058	6.00 E	1.000 LB/AC	PPI								
14C	ATRAZINE	4.00 L	1.500 LB/AC	PPI								
15A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	100	100	0	100	100	100	100	100
15B	SC 0058	6.00 E	2.000 LB/AC	PPI								
15C	ATRAZINE	4.00 L	1.500 LB/AC	PPI								

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TABLE C5002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 13							
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	RRPW
16A	CYCLODATE/R 25788	6.00 EC	3.000	LB/AC PPI	93	100	0	93	100	100	100	100
16B	ATRAZINE	4.00 L	1.500	LB/AC PPI								
17A	CYCLODATE/R 29148	6.00 EC	3.000	LB/AC PPI	97	100	0	97	100	100	100	100
17B	ATRAZINE	4.00 L	1.500	LB/AC PPI								
18	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
LSD(05):					6	8	30	6	NS	11	NS	NS

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: MAY 7 PH: 6.6 O.M.: 3.3%
 VARIETY: PIONEER 3369A DATE TREATED: PPI MAY 7

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TABLE C5011 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 8-----					
					CRIN	GIFT	VELE	COLQ	JIWE	RRPW
1A	ALACHLOR	4.00 MT	2.500	LB/AC PPI	0	100	97	40	77	100
1B	BUTYLATE + R-25788	6.70 E	4.000	LB/AC PPI						
2	METALACHLOR + ATRAZI	4.50 F	4.500	LB/AC PPI	0	93	100	97	100	97
3A	CYANAZINE + ATRAZINE	4.00 L	3.000	LB/AC PPI	0	100	100	100	100	100
3B	BUTYLATE + R-25788	6.70 E	4.000	LB/AC PPI						
4A	RE 39571	3.00 E	1.500	LB/AC PPI	57	60	100	100	100	100
4B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
5A	RE 39571	3.00 E	2.000	LB/AC PPI	57	77	73	100	100	100
5B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
6A	ALACHLOR PKG MIX	2.50 L	2.500	LB/AC PPI	0	83	100	100	100	100
6B	WITH ATRAZINE	1.50	1.500	PPI						
7A	EPTC + R-25788	6.70 E	6.000	LB/AC PPI	0	97	100	100	100	100
7B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
8A	EPTC+R25788+R33865	6.00 EC	6.000	LB/AC PPI	0	100	100	100	100	100
8B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
9A	ERADICANE + R33865	6.00 E	6.000	LB/AC PPI	0	100	100	100	100	100
9B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
10A	EPTC + R-25788	6.70 E	6.000	LB/AC PPI	0	100	97	100	100	100
10B	SC 0058	6.00 E	1.000	LB/AC PPI						
10C	ATRAZINE	4.00 L	1.500	LB/AC PPI						
11A	EPTC + R-25788	6.70 E	6.000	LB/AC PPI	0	100	100	100	100	100
11B	SC 0058	6.00 E	2.000	LB/AC PPI						
11C	ATRAZINE	4.00 L	1.500	LB/AC PPI						
12A	BUTYLATE + R-25788	6.70 E	6.000	LB/AC PPI	0	100	100	100	100	100
12B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
13A	BUTYLATE+ + R 33865	6.00 E	6.000	LB/AC PPI	30	93	93	100	100	100
13B	ATRAZINE	4.00 L	1.500	LB/AC PPI						
14A	BUTYLATE + R-25788	6.70 E	6.000	LB/AC PPI	0	100	100	100	100	100
14B	SC 0058	6.00 E	1.000	LB/AC PPI						
14C	ATRAZINE	4.00 L	1.500	LB/AC PPI						
15A	BUTYLATE + R-25788	6.70 E	6.000	LB/AC PPI	0	100	100	100	100	100
15B	SC 0058	6.00 E	2.000	LB/AC PPI						
15C	ATRAZINE	4.00 L	1.500	LB/AC PPI						

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TABLE C5011 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 8-----					
					CRIN	GIFT	VELE	COLQ	JIWE	RRPW
16A	CYCLOATE/R 25788	6.00 EC	3.000 LB/AC	PPI	0	87	100	100	100	100
16B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
17A	CYCLOATE/R 29148	6.00 EC	3.000 LB/AC	PPI	0	90	100	100	100	100
17B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
18	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
LSD(05):					29	13	11	5	8	NS

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: MAY 7 DATE TREATED: PPI MAY 7 PH: 6.6 O.M.: 3.3%
 VARIETY: PIONEER 3369A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE C5003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						---8 WEEKS AFTER APPLICATION---			APPLICATION		
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	CRIN	GIFT	VELE	COLQ	JIWE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	0	95	92	100	100	0	85	82	88	98
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	88	0	95	88	100	98	0	90	60	60	98
2B	BROMOXYNIL 2	2.00 E	.250 LB/AC	2LF												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	2	95	100	100	100	0	85	95	88	95
3B	BROMOXYNIL 2	2.00 E	.380 LB/AC	3LF												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	98	0	100	98	100	100	0	92	98	98	100
4B	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF												
4C	ATRAZINE	4.00 L	.500 LB/AC	4LF												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	5	98	98	98	98	0	92	100	95	95
5B	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF												
5C	ATRAZINE	4.00 L	.500 LB/AC	4LF												
5D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	5	95	92	98	98	0	90	78	82	82
6B	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF												
6C	2,4-D AMINE	4.00 E	.250 LB/AC	4LF												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	98	8	100	98	100	100	0	90	80	90	100
7B	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF												
7C	DICAMBA	4.00 S	.250 LB/AC	4LF												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	8	95	95	98	92	0	90	78	85	90
8B	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF												
8C	CYANAZINE	80.00 WP	.500 LB/AC	4LF												
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100	10	100	100	100	100	0	92	98	98	100
9B	PYRIDATE	45.00 WP	.900 LB/AC	EP												
9C	ATRAZINE	4.00 L	1.250 LB/AC	EP												
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	98	10	100	98	100	100	0	90	98	98	98
10B	PYRIDATE	45.00 WP	.900 LB/AC	EP												
10C	CYANAZINE	80.00 WP	1.250 LB/AC	EP												
11A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	92	98	5	95	98	98	98	0	85	95	90	95
11B	SETHOXYDIM	1.53 EC	.100 LB/AC	POD												
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD												
12A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	88	95	5	88	98	100	98	0	90	100	100	100
12B	SETHOXYDIM	1.53 EC	.150 LB/AC	POD												
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD												

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TABLE C5003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							---8 WEEKS AFTER APPLICATION---				
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	CRIN	GIFT	VELE	COLQ	JIWE
13A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	92	98	2	92	98	98	98	0	88	95	95	98
13B	SETHOXYDIM	1.53 EC	.200 LB/AC	POD												
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD												
14A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	90	98	5	90	98	100	100	2	90	98	98	100
14B	SETHOXYDIM	1.53 EC	.100 LB/AC	POD												
14C	2,4-D AMINE	4.00 E	.250 LB/AC	POD												
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD												
15A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	88	95	5	88	98	100	100	2	88	92	90	100
15B	SETHOXYDIM	1.53 EC	.150 LB/AC	POD												
15C	2,4-D AMINE	4.00 E	.250 LB/AC	POD												
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD												
16A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	88	92	2	92	95	95	98	0	88	98	98	100
16B	SETHOXYDIM	1.53 EC	.200 LB/AC	POD												
16C	2,4-D AMINE	4.00 E	.250 LB/AC	POD												
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	POD												
17A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	68	100	0	70	100	100	100	0	60	98	100	100
17B	SC 0051	.50 E	.250 LB/AC	EP												
18A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	98	100	5	98	100	100	100	0	85	95	98	100
18B	SC 0051	.50 E	.500 LB/AC	EP												
19A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	92	95	15	92	100	100	100	8	78	98	100	100
19B	SC 0051	.50 E	1.000 LB/AC	EP												
20A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	82	95	20	82	98	95	100	10	60	92	90	98
20B	SC 0051	.50 E	1.000 LB/AC	LP												
21A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	85	92	0	85	95	98	95	2	82	90	92	95
21B	SC 0051	.50 E	.500 LB/AC	EP												
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
22	CYANAZINE	4.00 L	2.000 LB/AC	PRE	78	90	0	78	90	98	98	0	62	82	85	95
23A	DOWCO 356	4.00 E	.500 LB/AC	SPK	95	98	0	95	98	100	100	0	90	95	100	100
23B	ATRAZINE	4.00 L	1.500 LB/AC	SPK												
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SPK												
24A	DOWCO 356	4.00 E	.500 LB/AC	2LF	98	100	2	98	100	100	100	0	90	95	98	100
24B	ATRAZINE	4.00 L	1.500 LB/AC	2LF												
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF												

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TABLE C5003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							---8 WEEKS AFTER APPLICATION---				
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	CRIN	GIFT	VELE	COLQ	JIWE
25A	DOWCO 356	4.00 E	.750 LB/AC	SPK	95	95	10	95	100	95	100	0	92	100	98	100
25B	ATRAZINE	4.00 L	1.500 LB/AC	SPK												
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SPK												
26A	DOWCO 356	4.00 E	.750 LB/AC	2LF	95	95	5	95	100	100	98	0	90	95	95	98
26B	ATRAZINE	4.00 L	1.500 LB/AC	2LF												
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF												
27A	DOWCO 356	4.00 E	.500 LB/AC	SPK	92	98	8	92	100	100	100	0	90	100	100	100
27B	ATRAZINE	4.00 L	.800 LB/AC	SPK												
27C	CYANAZINE	80.00 WP	.800 LB/AC	SPK												
28A	DOWCO 356	4.00 E	.500 LB/AC	2LF	100	100	0	98	100	100	100	0	92	95	98	100
28B	ATRAZINE	4.00 L	.800 LB/AC	2LF												
28C	CYANAZINE	80.00 WP	.800 LB/AC	2LF												
29A	DOWCO 356	4.00 E	.500 LB/AC	SPK	95	98	0	95	98	98	98	0	85	82	75	92
29B	ATRAZINE	4.00 L	1.000 LB/AC	SPK												
29C	CYANAZINE	80.00 WP	.400 LB/AC	SPK												
29D	OIL CONCENTRATE	.00 AD	.500 QT/AC	SPK												
30A	DOWCO 356	4.00 E	.500 LB/AC	2LF	100	100	5	100	100	100	100	0	90	98	100	100
30B	ATRAZINE	4.00 L	1.000 LB/AC	2LF												
30C	CYANAZINE	80.00 WP	.400 LB/AC	2LF												
30D	OIL CONCENTRATE	.00 AD	.500 QT/AC	2LF												
31A	DOWCO 356	4.00 E	.500 LB/AC	5LF	95	95	10	95	92	98	92	0	90	92	90	92
31B	ATRAZINE	4.00 L	1.500 LB/AC	5LF												
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												
31D	DOWCO 356	4.00 E	.500 LB/AC	+7D												
31E	ATRAZINE	4.00 L	1.500 LB/AC	+7D												
31F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D												
32A	BENTAZON	4.00 E	1.000 LB/AC	EP	50	98	0	50	98	98	98	0	42	95	95	95
32B	ATRAZINE	4.00 L	1.500 LB/AC	EP												
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
33A	BROMOXYNIL 2	2.00 E	.250 LB/AC	4LF	75	100	0	75	100	100	100	0	72	100	100	100
33B	ATRAZINE	4.00 L	.500 LB/AC	4LF												
33C	DOWCO 356	4.00 E	.500 LB/AC	4LF												
34A	PYRIDATE	45.00 WP	.900 LB/AC	EP	80	98	0	80	98	100	100	2	75	90	92	95
34B	ATRAZINE	4.00 L	1.500 LB/AC	EP												
35A	PYRIDATE	45.00 WP	.900 LB/AC	EP	95	100	10	95	100	100	100	0	88	92	88	92
35B	CYANAZINE	80.00 WP	1.500 LB/AC	EP												

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TABLE C5003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						---8 WEEKS AFTER APPLICATION---					
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	CRIN	GIFT	VELE	COLQ	JIWE
36	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD(05):		12	7	11	12	6	NS	4	NS	10	8	8	6

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 7
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.8%
 DATE TREATED: PRE MAY 7
 SPK MAY 13
 2LF MAY 16
 3LF MAY 20
 4LF MAY 24
 5LF MAY 28, +7D JUNE
 EP MAY 30
 LP JUNE 10

TREATMENTS 27-32 DIRECTED TO LOWER 6-10" OF 30" CORN
 TREATMENTS 27-32 10 GPA
 2LF = 2-3 LEAF STAGE OF CORN
 3LF = 3-4 LEAF STAGE OF CORN
 4LF = 4-5 LEAF STAGE OF CORN
 5LF = 4-6 LEAF STAGE OF CORN
 POD = POSTEMERGENCE DIRECTED
 SPK = SPIKE STAGE OF CORN
 +7D = SEQUENTIAL TREATMENT 7 DAYS AFTER INITIAL APPLICATION

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TABLE C5008 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----									
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	PESW	ILMG	PRSI
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	78	0	92	72	88	100	100	85	98
1B	BENAZOLIN	4.00 F	.250 LB/AC	MP										
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	80	0	92	75	90	100	100	85	92
2B	BENAZOLIN	4.00 F	.380 LB/AC	MP										
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	72	0	95	65	75	100	100	88	100
3B	BENAZOLIN	4.00 F	.130 LB/AC	MP										
3C	DICAMBA	4.00 S	.130 LB/AC	MP										
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	82	0	92	80	95	100	100	95	98
4B	BENAZOLIN	4.00 F	.130 LB/AC	MP										
4C	DICAMBA	4.00 S	.250 LB/AC	MP										
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	85	0	90	80	95	98	100	88	100
5B	BENAZOLIN	4.00 F	.250 LB/AC	MP										
5C	DICAMBA	4.00 S	.130 LB/AC	MP										
6A	ALACHLOR	4.00 MT	5.000 LB/AC	PRE	90	70	0	90	60	85	98	100	88	100
6B	DICAMBA	4.00 S	.130 LB/AC	MP										
6C	2,4-D AMINE	4.00 E	.130 LB/AC	MP										
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	0	98	88	100	100	100	95	98
7B	ATRAZINE	4.00 L	.250 LB/AC	MP										
7C	BENAZOLIN	4.00 F	.130 LB/AC	MP										
7D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	0	95	92	100	100	100	100	100
8B	ATRAZINE	4.00 L	.500 LB/AC	MP										
8C	BENAZOLIN	4.00 F	.130 LB/AC	MP										
8D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	92	95	100	98	98	100	95
9B	BROMOXYNIL	4.00 E	.500 LB/AC	EP										
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	0	90	88	98	100	100	100	98
10B	BROMOXYNIL	4.00 E	.250 LB/AC	EP										
10C	DICAMBA	4.00 S	.130 LB/AC	EP										
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	0	90	90	100	98	98	95	100
11B	BROMOXYNIL	4.00 E	.250 LB/AC	EP										
11C	2,4 D AMINE	4.00 E	.130 LB/AC	EP										

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TABLE C5008 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----										
					GRAS	BRLE	CRIN	GIFT	VELE	COLQ	JIWE	PESW	ILMG	PRSI	
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	90	0	88	92	98	98	100	98	92	
12B	BROMOXYNIL	4.00 E	.250 LB/AC	EP											
12C	2,4 D AMINE	4.00 E	.250 LB/AC	EP											
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	0	98	98	100	100	98	100	100	
13B	BROMOXYNIL	4.00 E	.250 LB/AC	EP											
13C	ATRAZINE	4.00 L	1.000 LB/AC	EP											
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	92	95	100	100	100	95	100	
14B	AFX-1309	4.00 F	.750 LB/AC	EP											
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100	0	100	100	100	100	100	100	100	
15B	AFX-1309	4.00 F	.250 LB/AC	EP											
15C	ATRAZINE	4.00 L	1.000 LB/AC	EP											
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	80	0	95	70	95	100	100	98	98	
16B	DICAMBA	4.00 S	.250 LB/AC	MP											
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	0	90	90	100	98	100	95	98	
17B	DICAMBA	4.00 S	.500 LB/AC	EP											
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	100	0	98	100	100	100	100	100	100	
18B	CN 6180	3.20 F	1.600 LB/AC	EP											
LSD(05):					6	8	0	6	8	8	NS	NS	10	6	

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LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: MAY 7 DATE TREATED: PRE MAY 7 PH: 7.0 O.M.: 5.1%
 VARIETY: PIONEER 3369A EP MAY 27
 MP JUNE 4

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE C5014 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ----					
					CRIN	GIFT	VELE	COLQ	JIWE	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	82	88	98	82
1B	BENAZOLIN	4.00 F	.250 LB/AC	MP						
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	85	95	95	98	78
2B	BENAZOLIN	4.00 F	.380 LB/AC	MP						
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	80	72	100	90
3B	BENAZOLIN	4.00 F	.130 LB/AC	MP						
3C	DICAMBA	4.00 S	.130 LB/AC	MP						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	92	98	95	90
4B	BENAZOLIN	4.00 F	.130 LB/AC	MP						
4C	DICAMBA	4.00 S	.250 LB/AC	MP						
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	92	98	100	90
5B	BENAZOLIN	4.00 F	.250 LB/AC	MP						
5C	DICAMBA	4.00 S	.130 LB/AC	MP						
6A	ALACHLOR	4.00 MT	5.000 LB/AC	PRE	0	85	78	85	98	85
6B	DICAMBA	4.00 S	.130 LB/AC	MP						
6C	2,4-D AMINE	4.00 E	.130 LB/AC	MP						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	98	100	100	98
7B	ATRAZINE	4.00 L	.250 LB/AC	MP						
7C	BENAZOLIN	4.00 F	.130 LB/AC	MP						
7D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	100	100	100	100
8B	ATRAZINE	4.00 L	.500 LB/AC	MP						
8C	BENAZOLIN	4.00 F	.130 LB/AC	MP						
8D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	85	98	100	95	95
9B	BROMOXYNIL	4.00 E	.500 LB/AC	EP						
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	95	95	92	98
10B	BROMOXYNIL	4.00 E	.250 LB/AC	EP						
10C	DICAMBA	4.00 S	.130 LB/AC	EP						
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	85	92	98	98	92
11B	BROMOXYNIL	4.00 E	.250 LB/AC	EP						
11C	2,4 D AMINE	4.00 E	.130 LB/AC	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE C5014 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	VELE	COLQ	JIWE	ILMG
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	82	98	95	95	98
12B	BROMOXYNIL	4.00 E	.250 LB/AC	EP						
12C	2,4 D AMINE	4.00 E	.250 LB/AC	EP						
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	100	100	100	100
13B	BROMOXYNIL	4.00 E	.250 LB/AC	EP						
13C	ATRAZINE	4.00 L	1.000 LB/AC	EP						
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	100	100	98	95
14B	AFX-1309	4.00 F	.750 LB/AC	EP						
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	98	100	100	100
15B	AFX-1309	4.00 F	.250 LB/AC	EP						
15C	ATRAZINE	4.00 L	1.000 LB/AC	EP						
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	85	92	100	100
16B	DICAMBA	4.00 S	.250 LB/AC	MP						
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	98	100	98	98
17B	DICAMBA	4.00 S	.500 LB/AC	EP						
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	100	100	100	98
18B	CN 6180	3.20 F	1.600 LB/AC	EP						
LSD(05):					0	9	8	10	NS	10

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 7
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM
 PH: 7.0 O.M.: 5.1%
 DATE TREATED: PRE MAY 7
 EP MAY 27
 MP JUNE 4

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE C5004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14 -----				-----JULY 9 -----			
					GRAS	BRLE	CRIN	RRPW	CRIN	GIFT	LACG	RRPW
11A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	82	100	0	100	0	80	88	90
11B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
12A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	88	95	2	95	0	80	82	85
12B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
12C	HOE 661	1.78 AS	.900 LB/AC	PRE								
13A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	82	80	0	80	0	70	75	72
13B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
13C	HOE 661	1.78 AS	1.000 LB/AC	PRE								
14A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	80	92	0	92	0	62	78	88
14B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
14C	HOE 661	1.78 AS	1.200 LB/AC	PRE								
15A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	88	98	0	98	0	82	82	98
15B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
15C	HOE 39866	1.78 AS	.500 LB/AC	PRE								
16A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	100	0	100	5	92	92	100
16B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
16C	HOE 39866	1.78 AS	.670 LB/AC	PRE								
17A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	75	90	8	90	2	65	58	72
17B	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE								
18A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	92	100	5	100	0	92	88	100
18B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
18D	DOWCO 356	4.00 E	.500 LB/AC	EP								
18E	ATRAZINE	4.00 L	1.500 LB/AC	EP								
18F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
19A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	90	82	12	82	2	78	80	52
19B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
19C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
19D	DOWCO 356	4.00 E	.500 LB/AC	EP								
19E	CYANAZINE	80.00 WP	1.600 LB/AC	EP								
20A	SIMAZINE	4.00 L	1.000 LB/AC	PRE	98	100	2	100	0	92	95	100
20B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
20C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
20D	DOWCO 356	4.00 E	.500 LB/AC	EP								
20E	ATRAZINE	4.00 L	1.500 LB/AC	EP								
20F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								

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TABLE C5004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----				-----JULY 9-----			
					GRAS	BRLE	CRIN	RRPW	CRIN	GIFT	LACG	RRPW
21A	DOWCO 356	4.00 E	.500 LB/AC	PRE	88	98	2	98	0	75	75	98
21B	ATRAZINE	4.00 L	2.000 LB/AC	PRE								
21C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
21D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
22A	METALACHLOR + ATRAZI	4.50 F	3.600 LB/AC	PRE	70	100	0	100	0	75	70	98
22B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
22C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
23A	METALACHLOR + ATRAZI	4.50 F	4.500 LB/AC	PRE	82	98	5	98	0	78	78	88
23B	HOE 661	1.78 AS	.500 LB/AC	PRE								
24A	METALACHLOR + ATRAZI	4.50 F	4.500 LB/AC	PRE	88	100	0	100	0	78	80	95
24B	HOE 661	1.78 AS	.750 LB/AC	PRE								
25A	METALACHLOR + ATRAZI	4.50 F	4.500 LB/AC	PRE	90	100	0	100	0	85	82	90
25B	HOE 661	1.78 AS	1.000 LB/AC	PRE								
26A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	100	0	100	2	88	95	98
26B	EPTC+R25788+R33865	6.00 EC	4.000 LB/AC	PRE								
27A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	100	100	0	100	0	92	95	100
27B	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PRE								
28A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	85	72	0	72	0	80	75	68
28B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
29A	R-40244	2.00 L	.500 LB/AC	PRE	88	72	8	72	0	82	85	55
29B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE								
29C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
29D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
30A	R-40244	2.00 L	.750 LB/AC	PRE	88	78	10	78	0	80	85	70
30B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE								
30C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
30D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
31A	R-40244	2.00 L	1.000 LB/AC	PRE	95	88	22	88	2	88	88	75
31B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE								
31C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
31D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
32A	PPG-844	2.00 E	.250 LB/AC	PRE	55	58	2	58	2	68	65	50
32B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
32C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE								

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TABLE C5004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----				-----JULY 9-----			
					GRAS	BRLE	CRIN	RRPW	CRIN	GIFT	LACG	RRPW
33A	PPG-844	2.00 E	.500 LB/AC	PRE	32	40	0	40	0	45	50	48
33B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
33C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE								
34A	PPG-844	2.00 E	.250 LB/AC	PRE	90	68	2	68	0	78	82	58
34B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
34C	CYANAZINE	4.00 L	1.000 LB/AC	PRE								
35A	PPG 1013	.25 EC	.150 LB/AC	PRE	38	75	5	75	0	50	50	72
35B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
35C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE								
36A	PPG 1013	.25 EC	.150 LB/AC	PRE	75	80	5	80	0	68	70	65
36B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
36C	CYANAZINE	4.00 L	1.000 LB/AC	PRE								
37A	RE 39571	3.00 E	1.500 LB/AC	PRE	45	98	12	98	0	62	70	85
37B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
37C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
37D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
38A	RE 39571	3.00 E	2.000 LB/AC	PRE	92	95	22	95	0	72	80	68
38B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
38C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
38D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
39A	PYRIDATE	45.00 WP	.900 LB/AC	PRE	85	100	0	100	0	82	88	98
39B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
39C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
39D	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
39E	PYRIDATE	45.00 WP	.900 LB/AC	EP								
39F	ATRAZINE	4.00 L	1.000 LB/AC	EP								
40	SC 0051	.50 E	1.000 LB/AC	PRE	30	58	0	58	2	20	45	68
41	SC 0051	.50 E	1.500 LB/AC	PRE	45	62	0	62	0	30	62	80
42	SC 0051	.50 E	2.000 LB/AC	PRE	68	100	8	100	5	52	78	95
43A	SC 0051	.50 E	1.000 LB/AC	PRE	72	98	0	98	0	55	78	98
43B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
44A	SC 0051	.50 E	1.500 LB/AC	PRE	78	95	0	95	0	78	85	88
44B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								

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TABLE C5004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----				-----JULY 9-----			
					GRAS	BRLE	CRIN	RRPW	CRIN	GIFT	LACG	RRPW
45A	SC 5676	4.00 E	2.000 LB/AC	PRE	98	95	20	95	2	82	90	75
45B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
45C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
46A	SC 5676	4.00 E	3.000 LB/AC	PRE	92	90	20	90	5	78	75	62
46B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
46C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
47A	SC 5676	4.00 E	2.000 LB/AC	PRE	90	100	5	100	0	90	82	98
47B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
47C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
47D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
48A	SC 5676	4.00 E	3.000 LB/AC	PRE	80	90	0	90	0	75	70	82
48B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
48C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
48D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								

LSD(05): 25 30 11 30 NS 20 19 25

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.7 O.M.: 4.4%
 DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 6
 VARIETY: PIONEER 3369A EP MAY 30
 MP JUNE 10

TREATMENTS 15-16 RATE BURNDOWN 10-14, AND 21-28 DAT
 TREATMENTS 26-27 ARE IMPREGNATED ON FERTILIZER

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TABLE C5005 NO-TILL CORN LOW VOLUME CARRIER

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 15-----									
					GRAS	BRLE	CRIN	GIFT	LACG	VELE	RRPW	ILMG	PRSI	
1A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	95	95	0	98	95	95	100	100	100	
1B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
1C	ALACHLOR	4.00 MT	2.000 LB/AC	PRE										
1D	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	98	100	0	100	98	100	100	100	100	
2B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
2C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
2D	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
3A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	92	98	0	100	92	95	100	100	100	
3B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
3C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
3D	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	100	98	0	100	100	100	100	98	100	
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
4C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE										
4D	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
5A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	98	100	0	98	100	100	100	100	100	
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
5C	ALACHLOR	4.00 MT	4.000 LB/AC	PRE										
5D	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	92	0	98	90	98	95	98	100	
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
6C	ALACHLOR	4.00 E	2.500 LB/AC	PRE										
6D	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
7A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	98	0	98	88	98	95	100	92	
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
7C	ALACHLOR PKG MIX	2.50 L	2.500 LB/AC	PRE										
7D	WITH ATRAZINE	1.50	1.500	PRE										
8A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	100	98	0	100	100	100	100	98	100	
8B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
8C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
8D	SIMAZINE	4.00 L	1.000 LB/AC	PRE										
8E	ATRAZINE	4.00 L	1.000 LB/AC	PRE										
9A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	92	92	0	95	92	88	100	98	100	
9B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP										
9C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE										
9D	SIMAZINE	4.00 L	1.000 LB/AC	PRE										
9E	ATRAZINE	4.00 L	1.000 LB/AC	PRE										

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TABLE C5005 NO-TILL CORN LOW VOLUME CARRIER

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 15-----								
					GRAS	BRLE	CRIN	GIFT	LACG	VELE	RRPW	ILMG	PRSI
10A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	98	98	0	98	100	98	100	100	100
10B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP									
10C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
10D	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
11A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	100	95	0	100	100	90	100	100	100
11B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP									
11C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE									
11D	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
12A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	92	98	0	92	95	98	100	100	98
12B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP									
12C	SIMAZINE	4.00 L	1.500 LB/AC	PRE									
12D	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	82	95	0	88	82	98	98	95	100
13B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
13C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE									
13D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	90	0	90	88	90	92	100	95
14B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
14C	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE									
14D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	88	0	92	88	90	95	100	100
15B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
15C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
16A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	92	95	0	98	90	100	92	100	98
16B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
16C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
16D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
17A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	90	100	0	98	90	100	100	100	100
17B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
17C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
17D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
18A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	92	95	0	95	90	95	92	100	98
18B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
18C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE									
18D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE									
18E	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	PRE									

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TABLE C5005 NO-TILL CORN LOW VOLUME CARRIER

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 15-----									
					GRAS	BRLE	CRIN	GIFT	LACG	VELE	RRPW	ILMG	PRSI	
19A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	90	98	0	100	90	100	98	100	98	
19B	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
19C	PARAQUAT PLUS	2.00 E	.500 LB/AC	PRE										
19D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
20A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	92	95	0	100	92	100	98	100	100	
20B	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
20C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
20D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
21A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	92	95	0	98	92	100	98	100	100	
21B	ATRAZINE	4.00 L	2.000 LB/AC	PRE										
21C	PARAQUAT PLUS	2.00 E	.500 LB/AC	PRE										
21D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
22A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	92	98	0	95	92	100	95	100	100	
22B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
22C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE										
22D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
23A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	85	78	0	88	85	100	62	90	88	
23B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
23C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE										
23D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										

LSD(05): 8 8 0 8 11 11 11 NS NS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.7 O.M.: 4.4%
 DATE PLANTED: MAY 13 DATE TREATED: SDP MAY 6
 VARIETY: PIONEER 3369A PRE MAY 13
 TREATMENTS 1-12 ARE 10 GPA
 TREATMENTS 13-23 ARE 25 GPA
 SDP = 5 DAYS PRIOR TO PLANTING

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TABLE C5012 NO-TILL CORN LOW VOLUME

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	LACG	VELE	RRPW	PRSI
1A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	88	62	95	82	90
1B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
1C	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
1D	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	82	80	100	92	95
2B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
2C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
2D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
3A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	80	72	95	90	98
3B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
3C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
3D	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	80	90	95	92	88
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
4C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE						
4D	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
5A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	90	78	95	88	100
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
5C	ALACHLOR	4.00 MT	4.000 LB/AC	PRE						
5D	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	72	60	92	70	88
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
6C	ALACHLOR	4.00 E	2.500 LB/AC	PRE						
6D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
7A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	78	70	90	72	78
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
7C	ALACHLOR PKG MIX	2.50 L	2.500 LB/AC	PRE						
7D	WITH ATRAZINE	1.50	1.500	PRE						
8A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	82	80	95	72	95
8B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
8C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
8D	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
8E	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
9A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	82	82	82	78	92
9B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
9C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE						
9D	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
9E	ATRAZINE	4.00 L	1.000 LB/AC	PRE						

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TABLE C5012 NO-TILL CORN LOW VOLUME

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	LACG	VELE	RRPW	PRSI
10A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	92	82	92	95	100
10B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
10C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE						
10D	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
11A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	90	80	80	85	92
11B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
11C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
11D	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
12A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	90	88	92	90	100
12B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP						
12C	SIMAZINE	4.00 L	1.500 LB/AC	PRE						
12D	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	70	62	88	78	100
13B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
13C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE						
13D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	68	88	62	85
14B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
14C	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE						
14D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	82	72	80	58	90
15B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
15C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE						
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
16A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	0	90	52	100	60	80
16B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
16C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE						
16D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
17A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	0	88	68	95	80	95
17B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
17C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE						
17D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
18A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	0	72	72	88	62	90
18B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
18C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE						
18D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
18E	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	PRE						

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TABLE C5012 NO-TILL CORN LOW VOLUME

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	LACG	VELE	RRPW	PRSI
19A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	0	90	68	92	80	92
19B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
19C	PARAQUAT PLUS	2.00 E	.500 LB/AC	PRE						
19D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
20A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	0	80	70	100	72	100
20B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
20C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE						
20D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
21A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	80	72	95	78	88
21B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
21C	PARAQUAT PLUS	2.00 E	.500 LB/AC	PRE						
21D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
22A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	75	62	95	62	92
22B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
22C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE						
22D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
23A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	78	78	90	22	68
23B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
23C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE						
23D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						

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LSD(05): 0 10 11 15 12 13

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.7 O.M.: 4.4%
 DATE PLANTED: MAY 13 DATE TREATED: SDP MAY 6
 VARIETY: PIONEER 3369A PRE MAY 13
 TREATMENTS 1-12 ARE 10 GPA
 TREATMENTS 13-23 ARE 25 GPA
 SDP = 5 DAYS PRIOR TO PLANTING

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE C5007 NO-TILL CORN LIQUID FERTILIZER VS WATER CARRIER

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLICATION			-----8 WEEKS ---				
					GRAS	BRLE	CRIN	GIFT	RRPW	CRIN	GIFT	RRPW
1A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	100	100	15	100	100	0	95	80
1B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
1C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
1D	DOWCO 356	4.00 E	.500 LB/AC	2LF								
1E	ATRAZINE	4.00 L	1.500 LB/AC	2LF								
1F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF								
2A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	100	92	20	100	92	0	95	65
2B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
2C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
2D	DOWCO 356	4.00 E	.500 LB/AC	2LF								
2E	CYANAZINE	80.00 WP	1.600 LB/AC	2LF								
3A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	98	95	0	98	98	0	100	90
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
3C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
3D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
4A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	82	28	5	82	28	0	68	20
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
4C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
5A	CYANAZINE	4.00 L	3.000 LB/AC	PRE	95	100	0	95	100	0	88	88
5B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
5C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
5D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
6A	CYANAZINE	4.00 L	3.000 LB/AC	PRE	100	100	10	100	100	0	92	85
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
6C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
7A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	100	100	0	100	100	0	98	92
7B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
7C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
7D	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
7E	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
8A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	98	95	5	98	95	0	82	52
8B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
8C	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
8D	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
8E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								

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TABLE C5007 NO-TILL CORN LIQUID FERTILIZER VS WATER CARRIER

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS GRAS	AFTER CRIN	APPLICATIO GIFT	RRPW	-----8 WEEKS CRIN	GIFT	RRPW	
9A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	88	82	0	88	90	0	80	80
9B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
9C	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
10A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	98	100	5	98	100	0	85	75
10B	2,4-D ESTER	4.00 E	.500 LB/AC	PRE								
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
11A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	90	82	0	90	82	0	85	68
11B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
11C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
11D	LIQUID FERTILIZER	.00 AD	99.900 QT/AC	PRE								
12A	CYANAZINE + ATRAZINE	4.00 L	.250 LB/AC	PRE	100	95	10	100	95	0	92	75
12B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
13A	DOWCO 356	4.00 E	.500 LB/AC	PRE	85	65	10	85	65	0	78	40
13B	CYANAZINE	4.00 L	2.000 LB/AC	PRE								
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
14A	DOWCO 356	4.00 E	.500 LB/AC	PRE	92	100	8	92	100	0	80	88
14B	ATRAZINE	4.00 L	2.000 LB/AC	PRE								
14C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
14D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
15A	SIMAZINE	4.00 L	1.000 LB/AC	PRE	100	100	12	100	100	0	82	90
15B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
15C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
15D	DOWCO 356	4.00 E	.500 LB/AC	2LF								
15E	ATRAZINE	4.00 L	1.500 LB/AC	2LF								
15F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF								
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	78	98	5	78	98	0	58	70
16B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
16C	BROMOXYNIL 2	2.00 E	.250 LB/AC	PRE								
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	95	10	85	95	0	60	70
17B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
17C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE								
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	5	98	100	0	80	88
18B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
18C	BROMOXYNIL 2	2.00 E	.250 LB/AC	PRE								
18D	GLYPHOSATE	4.00 E	.500 LB/AC	PRE								

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TABLE C5007 NO-TILL CORN LIQUID FERTILIZER VS WATER CARRIER

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLICATION			-----8 WEEKS ---				
					GRAS	BRLE	CRIN	GIFT	RRPW	CRIN	GIFT	RRPW
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	10	98	98	0	70	70
19B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
19C	BROMOXYNIL 2	2.00 E	.380 LB/AC	PRE								
19D	GLYPHOSATE	4.00 E	.500 LB/AC	PRE								
LSD(05):					9	14	7	9	13	0	16	24

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 125 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: MAY 7 PH: 5.8 O.M.: 4.5%
 VARIETY: PIONEER 3369A DATE TREATED: PRE MAY 7
 2LF = 2 LEAF STAGE OF CORN 2LF MAY 20

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TABLE C5031 CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION ----						-----8 WEEKS ----		
					GRAS	BRLE	CRIN	GIFT	RRPW	PRSI	CRIN	GIFT	RRPW
1A	CYANAZINE	4.00 L	2.000	LB/AC EPP	72	28	0	72	28	95	15	72	15
1B	OIL CONCENTRATE	.00 AD	1.000	QT/AC EPP									
2A	CYANAZINE	4.00 L	2.000	LB/AC EPP	100	100	0	100	100	100	0	92	100
2B	OIL CONCENTRATE	.00 AD	1.000	QT/AC EPP									
2C	ATRAZINE	4.00 L	2.000	LB/AC 2LF									
2D	OIL CONCENTRATE	.00 AD	1.000	QT/AC 2LF									
3A	CYANAZINE	4.00 L	2.000	LB/AC EPP	100	100	0	100	100	100	0	90	100
3B	OIL CONCENTRATE	.00 AD	1.000	QT/AC EPP									
3C	ALACHLOR	4.00 MT	2.500	LB/AC PRE									
3D	ATRAZINE	4.00 L	1.500	LB/AC PRE									
4A	CYANAZINE	4.00 L	2.000	LB/AC EPP	100	100	0	100	100	100	10	85	100
4B	OIL CONCENTRATE	.00 AD	1.000	QT/AC EPP									
4C	DOWCO 356	4.00 E	.500	LB/AC 2LF									
4D	ATRAZINE	4.00 L	1.500	LB/AC 2LF									
4E	OIL CONCENTRATE	.00 AD	1.000	QT/AC 2LF									
5A	METOLACHLOR	8.00 E	1.650	LB/AC EPP	78	18	0	78	30	32	18	68	22
5B	METOLACHLOR	8.00 E	.800	LB/AC PRE									
LSD(05):					10	7	0	10	16	18	10	10	9

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 7 7
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM
 PH: 5.8 O.M.: 4.5%
 DATE TREATED: EPP APRIL 23
 PRE MAY 7
 2LF MAY 20

2LF = 2-3 LF GRASS

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TABLE C5009 CORN JOHNSONGRASS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 7 -----				--JULY 7 --	
					GRAS	BRLE	CRIN	JOGR	CRIN	JOGR
1A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	88	90	2	88	0	78
1B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
2A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	75	95	2	80	0	45
2B	WITH R-33865	1.00	1.000	PPI						
2C	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
3A	EPTC + R-25788	6.70 E	6.000 LB/AC	PPI	78	88	5	78	2	52
3B	SC 0058	6.00 E	1.000 LB/AC	PPI						
3C	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
4A	EPTC + R-25788	6.70 E	6.000 LB/AC	PPI	92	98	10	92	8	80
4B	SC 0058	6.00 E	2.000 LB/AC	PPI						
4C	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
5A	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI	85	95	0	85	0	78
5B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
6A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	85	92	0	85	0	82
6B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
7A	BUTYLATE+ + R 33865	6.00 E	4.000 LB/AC	PPI	82	85	2	82	2	85
7B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
8A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	88	90	0	88	2	82
8B	SC 0058	6.00 E	1.000 LB/AC	PPI						
8C	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
9A	BUTYLATE + R-25788	6.70 E	6.000 LB/AC	PPI	85	92	10	85	8	88
9B	SC 0058	6.00 E	2.000 LB/AC	PPI						
9C	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
10A	CYCLOATE/R 29148	6.00 EC	3.000 LB/AC	PPI	72	92	0	72	0	55
10B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
11A	CYCLOATE/R 29148	6.00 EC	4.000 LB/AC	PPI	88	98	2	88	2	68
11B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
12A	CYCLOATE/R 29148	6.00 EC	5.000 LB/AC	PPI	90	95	0	90	0	82
12B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
LSD(05):					8	7	6	9	5	9

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TABLE C5009 CORN JOHNSONGRASS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.7 O.M.: 3.5%
DATE PLANTED: MAY 7 DATE TREATED: PPI MAY 7
VARIETY: PIONEER 3369A

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TABLE S5011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 23							
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	ILMG	TAMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	70	0	95	88	85	72	70
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	80	0	100	100	100	78	72
2B	LINURON	4.00 L	1.000 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	82	0	95	98	100	92	80
3B	LINURON	4.00 L	1.500 LB/AC	PRE								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	0	98	100	100	80	80
4B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
5A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	98	72	0	98	100	100	82	70
5B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
5C	LINURON	4.00 L	.750 LB/AC	PRE								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	75	0	95	100	100	82	72
6B	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	78	10	98	98	100	78	70
7B	METRIBUZIN 2	75.00 DF	.750 LB/AC	PRE								
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	95	2	95	100	100	98	95
8B	DPX F6025 + METRIBUZ	75.00 DF	.250 LB/AC	PRE								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	0	95	98	100	100	98
9B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE								
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	0	95	100	100	100	95
10B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE								
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	5	95	100	100	100	92
11B	DPX F6025 + METRIBUZ	75.00 DF	.630 LB/AC	PRE								
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	100	8	95	100	100	100	100
12B	DPX F6025 + METRIBUZ	75.00 DF	.750 LB/AC	PRE								
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	72	0	95	92	98	82	70
13B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE								
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	95	2	95	98	100	100	95
14B	DPX 8259	60.00 WP	.750 LB/AC	PRE								
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	0	95	100	100	98	92
15B	DPX 8259	60.00 WP	1.000 LB/AC	PRE								

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TABLE S5011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	ILMG	TAMG
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	95	0	98	98	100	98	98
16B	DPX 8259	60.00 WP	1.250 LB/AC	PRE								
17	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	72	0	100	88	98	78	65
18A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	82	0	100	98	100	82	80
18B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
19A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	82	0	98	98	100	88	72
19B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
20A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	98	80	0	98	100	100	88	72
20B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
20C	LINURON	4.00 L	.750 LB/AC	PRE								
21A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	90	0	100	98	100	98	88
21B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
21C	MZH 2091	4.00 EC	.500 LB/AC	PRE								
22A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	82	0	100	98	95	82	83
22B	PPG-844	2.00 E	.300 LB/AC	PRE								
23A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	85	0	98	100	100	92	80
23B	PPG 1013	.25 EC	.150 LB/AC	PRE								
24A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	90	0	100	100	100	88	90
24B	PPG 1013	.25 EC	.200 LB/AC	PRE								
25A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	98	95	2	98	100	100	98	92
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
26A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	92	98	2	92	98	100	100	98
26B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
27A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	98	98	10	98	100	100	98	98
27B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
28A	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE	100	90	8	100	100	100	100	90
28B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
29A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	85	0	100	100	100	92	85
29B	FMC 57020	6.00 EC	1.000 LB/AC	PRE								
30A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	100	95	0	100	100	100	100	95
30B	FMC 57020	6.00 EC	.750 LB/AC	PRE								

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TABLE S5011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	ILMG	TAMG
31A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	98	92	0	98	100	100	95	90
31B	LINURON	4.00 L	1.000 LB/AC	PRE								
31C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
32A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	98	90	0	98	100	100	92	90
32B	LINURON	4.00 L	1.000 LB/AC	PRE								
32C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
33A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	90	92	5	90	100	100	98	92
33B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE								
34	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	72	0	100	100	100	75	68
35A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	95	0	100	100	100	100	95
35B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE								
36A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	95	92	5	95	100	100	98	95
36B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE								
37A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	90	0	100	100	100	95	90
37B	DPX F6025	25.00 DF	.060 LB/AC	PRE								
38A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	85	0	100	100	100	85	78
38B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE								
39A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	78	0	100	98	100	80	72
39B	LINURON	4.00 L	.500 LB/AC	PRE								
40A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	80	18	100	100	100	90	78
40B	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE								
41A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	75	0	100	100	100	85	68
41B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE								
42A	ORYZALIN	4.00 AS	.560 LB/AC	PRE	92	85	0	92	95	98	88	80
42B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
43A	ORYZALIN	4.00 AS	.560 LB/AC	PRE	100	78	2	100	92	100	88	70
43B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
43C	METRIBUZIN	75.00 DF	.250 LB/AC	PRE								
44	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	85	72	0	85	100	100	78	58
45A	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE	95	75	0	95	100	100	82	62
45B	FMC 57020	6.00 EC	.750 LB/AC	PRE								

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	ILMG	TAMG
46A	METRIBUZIN 1	4.00 F	.340 LB/AC	PRE	100	82	0	100	100	100	85	78
46B	FMC 57020	6.00 EC	.750 LB/AC	PRE								
47A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	80	2	100	100	100	80	75
47B	FMC 57020	6.00 EC	.750 LB/AC	PRE								
48A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	92	90	0	92	95	100	95	88
48B	MZH 2091	4.00 EC	.500 LB/AC	PRE								
49	BIFENOX	4.00 L	2.000 LB/AC	PRE	82	90	58	82	98	100	98	88
50A	BIFENOX	4.00 L	2.000 LB/AC	PRE	88	80	42	88	85	75	82	80
50B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE								
51	SD 95481	7.00 EC	1.400 LB/AC	PRE	98	65	2	98	60	98	72	70
52A	SD 95481	7.00 EC	1.200 LB/AC	PRE	95	95	12	95	98	100	98	92
52B	IMAZAQUIN	1.50 AS	.190 LB/AC	PRE								
53A	SD 95481	7.00 EC	1.200 LB/AC	PRE	100	95	5	100	98	100	98	95
53B	DPX F6025	25.00 DF	.060 LB/AC	PRE								
54A	SD 95481	7.00 EC	1.200 LB/AC	PRE	98	82	5	98	98	100	88	78
54B	LINURON	4.00 L	1.000 LB/AC	PRE								
55A	SD 95481	7.00 EC	1.200 LB/AC	PRE	98	75	0	98	92	100	80	48
55B	METRIBUZIN 2	75.00 DF	.500 LB/AC	RE								
56	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	75	78	2	75	98	98	85	75
57	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	80	75	12	80	100	100	72	70
58A	METHAZOLE	75.00 WP	1.000 LB/AC	PRE	95	70	0	95	100	100	80	65
58B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
59A	METHAZOLE	75.00 WP	1.500 LB/AC	PRE	98	80	0	98	100	100	88	72
59B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
60A	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	98	80	18	98	98	100	85	78
60B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
61A	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	98	90	75	98	100	100	98	88
61B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
62A	RE 39571	3.00 E	1.500 LB/AC	PRE	95	75	0	95	98	100	82	65
62B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								

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TABLE S5011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 23-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	ILMG	TAMG
63A	RE 39571	3.00 E	2.000 LB/AC	PRE	100	70	0	100	98	100	80	68
63B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
64A	RE 39571	3.00 E	3.000 LB/AC	PRE	100	72	2	100	98	100	75	60
64B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
65	SC 5676	4.00 E	.750 LB/AC	PRE	90	80	0	90	100	95	78	75
66	SC 5676	4.00 E	1.500 LB/AC	PRE	100	80	8	100	98	100	82	80
67A	SC 5676	4.00 E	.750 LB/AC	PRE	92	75	2	95	98	98	80	68
67B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
68	AC 499	1.95 AS	.032 LB/AC	PRE	75	82	0	75	85	100	90	85
69	AC 499	1.95 AS	.063 LB/AC	PRE	92	90	0	92	98	100	100	90
70	AC 499	1.95 AS	.093 LB/AC	PRE	92	98	5	92	100	100	100	98
71	AC 499	1.95 AS	.125 LB/AC	PRE	92	100	2	92	100	100	100	100
72A	CGA 24704	2.50 EC	1.500 LB/AC	PRE	100	78	0	100	100	100	78	78
72B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
73A	CGA 24704	2.50 EC	1.800 LB/AC	PRE	100	80	0	100	100	100	80	78
73B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
74	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
LSD(05):					7	10	10	.7	9	NS	13	

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LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.4%
 DATE PLANTED: MAY 16 DATE TREATED: PRE MAY 16
 VARIETY: WILLIAMS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5051 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	JIWE	PESW	ILMG	TAMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	75	92	65	58
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	100	98	78	70
2B	LINURON	4.00 L	1.000 LB/AC	PRE						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	98	100	82	75
3B	LINURON	4.00 L	1.500 LB/AC	PRE						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	95	100	70	78
4B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
5A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	0	90	100	100	70	62
5B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE						
5C	LINURON	4.00 L	.750 LB/AC	PRE						
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	95	100	68	68
6B	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	95	95	100	58	55
7B	METRIBUZIN 2	75.00 DF	.750 LB/AC	PRE						
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	85	100	100	92	90
8B	DPX F6025 + METRIBUZ	75.00 DF	.250 LB/AC	PRE						
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	92	100	95	98
9B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE						
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	98	100	90	88
10B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE						
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	90	98	100	100	90
11B	DPX F6025 + METRIBUZ	75.00 DF	.630 LB/AC	PRE						
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	90	100	100	98	98
12B	DPX F6025 + METRIBUZ	75.00 DF	.750 LB/AC	PRE						
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	88	98	68	68
13B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE						
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	95	100	92	88
14B	DPX 8259	60.00 WP	.750 LB/AC	PRE						
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	85	100	100	95	90
15B	DPX 8259	60.00 WP	1.000 LB/AC	PRE						

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TABLE S5051 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	JIWE	PESW	ILMG	TAMG
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	92	98	100	98	92
16B	DPX 8259	60.00 WP	1.250 LB/AC	PRE						
17	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	100	85	95	72	68
18A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	98	95	100	70	70
18B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
19A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	95	98	100	75	70
19B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
20A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	0	98	98	100	60	60
20B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE						
20C	LINURON	4.00 L	.750 LB/AC	PRE						
21A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	98	98	100	88	82
21B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
21C	MZH 2091	4.00 EC	.500 LB/AC	PRE						
22A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	100	95	100	72	70
22B	PPG-844	2.00 E	.300 LB/AC	PRE						
23A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	2	95	100	100	82	70
23B	PPG 1013	.25 EC	.150 LB/AC	PRE						
24A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	2	95	98	100	85	75
24B	PPG 1013	.25 EC	.200 LB/AC	PRE						
25A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	2	95	100	100	90	88
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
26A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	2	88	100	100	92	95
26B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
27A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	5	95	100	100	90	92
27B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
28A	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE	5	90	98	100	90	82
28B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
29A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	2	98	100	100	88	90
29B	FMC 57020	6.00 EC	1.000 LB/AC	PRE						
30A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	2	100	100	100	90	92
30B	FMC 57020	6.00 EC	.750 LB/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5051 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	JIWE	PESW	ILMG	TAMG
31A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	2	92	98	100	88	92
31B	LINURON	4.00 L	1.000 LB/AC	PRE						
31C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
32A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	92	100	100	90	95
32B	LINURON	4.00 L	1.000 LB/AC	PRE						
32C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
33A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	10	88	100	98	90	85
33B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE						
34	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	62	58
35A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	92	92
35B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE						
36A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	2	95	100	100	100	90
36B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE						
37A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	98	88
37B	DPX F6025	25.00 DF	.060 LB/AC	PRE						
38A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	98	100	100	78	78
38B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE						
39A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	98	100	100	75	68
39B	LINURON	4.00 L	.500 LB/AC	PRE						
40A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	10	100	100	100	70	65
40B	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE						
41A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	100	100	100	75	65
41B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE						
42A	ORYZALIN	4.00 AS	.560 LB/AC	PRE	0	90	82	98	82	72
42B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
43A	ORYZALIN	4.00 AS	.560 LB/AC	PRE	0	92	100	100	70	60
43B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
43C	METRIBUZIN	75.00 DF	.250 LB/AC	PRE						
44	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	75	98	100	58	55
45A	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE	0	85	98	100	72	62
45B	FMC 57020	6.00 EC	.750 LB/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5051 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	JIWE	PESW	ILMG	TAMG
46A	METRIBUZIN 1	4.00 F	.340 LB/AC	PRE	0	100	100	100	78	72
46B	FMC 57020	6.00 EC	.750 LB/AC	PRE						
47A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	98	100	100	65	68
47B	FMC 57020	6.00 EC	.750 LB/AC	PRE						
48A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	78	90	100	90	82
48B	MZH 2091	4.00 EC	.500 LB/AC	PRE						
49	BIFENOX	4.00 L	2.000 LB/AC	PRE	32	52	98	100	80	78
50A	BIFENOX	4.00 L	2.000 LB/AC	PRE	28	78	75	85	80	75
50B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
51	SD 95481	7.00 EC	1.400 LB/AC	PRE	0	85	45	98	62	62
52A	SD 95481	7.00 EC	1.200 LB/AC	PRE	10	92	98	100	92	92
52B	IMAZAQUIN	1.50 AS	.190 LB/AC	PRE						
53A	SD 95481	7.00 EC	1.200 LB/AC	PRE	5	98	100	100	92	90
53B	DPX F6025	25.00 DF	.060 LB/AC	PRE						
54A	SD 95481	7.00 EC	1.200 LB/AC	PRE	5	88	88	100	78	70
54B	LINURON	4.00 L	1.000 LB/AC	PRE						
55A	SD 95481	7.00 EC	1.200 LB/AC	PRE	0	95	90	100	68	60
55B	METRIBUZIN 2	75.00 DF	.500 LB/AC	RE						
56	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	2	65	98	98	68	65
57	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	12	60	100	100	68	65
58A	METHAZOLE	75.00 WP	1.000 LB/AC	PRE	0	90	100	100	65	58
58B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
59A	METHAZOLE	75.00 WP	1.500 LB/AC	PRE	0	92	100	100	75	72
59B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
60A	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	2	95	95	100	68	72
60B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
61A	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	68	90	95	100	92	85
61B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
62A	RE 39571	3.00 E	1.500 LB/AC	PRE	0	92	88	100	68	68
62B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						

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TABLE S5051 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 19-----					
					CRIN	GIFT	JIWE	PESW	ILMG	TAMG
63A	RE 39571	3.00 E	2.000 LB/AC	PRE	0	98	98	100	70	60
63B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
64A	RE 39571	3.00 E	3.000 LB/AC	PRE	5	98	95	100	62	62
64B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
65	SC 5676	4.00 E	.750 LB/AC	PRE	0	85	92	95	78	65
66	SC 5676	4.00 E	1.500 LB/AC	PRE	5	98	92	100	80	82
67A	SC 5676	4.00 E	.750 LB/AC	PRE	0	85	100	100	78	68
67B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE						
68	AC 499	1.95 AS	.032 LB/AC	PRE	0	72	80	100	80	82
69	AC 499	1.95 AS	.063 LB/AC	PRE	0	85	98	100	95	88
70	AC 499	1.95 AS	.093 LB/AC	PRE	2	85	100	100	92	92
71	AC 499	1.95 AS	.125 LB/AC	PRE	8	88	100	100	95	92
72A	CGA 24704	2.50 EC	1.500 LB/AC	PRE	0	95	100	100	72	65
72B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
73A	CGA 24704	2.50 EC	1.800 LB/AC	PRE	0	98	98	100	78	75
73B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE						
74	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
LSD(05):					6	10	13	NS	15	14

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.4%
 DATE PLANTED: MAY 16 DATE TREATED: PRE MAY 16
 VARIETY: WILLIAMS

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	80	82	0	80	100	100	100	90	70
1B	METRIBUZIN 2	75.00 DF	.500 LB/AC	PPI									
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	95	100	10	95	100	100	100	95	100
2B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PPI									
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	88	85	0	88	100	100	100	75	70
3B	METRIBUZIN 1	4.00 F	.265 LB/AC	PPI									
3C	METRIBUZIN 1	4.00 F	.265 LB/AC	PRE									
4A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	100	88	2	100	100	98	100	88	85
4B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
5A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	100	85	5	100	100	98	100	72	78
5B	METRIBUZIN 1	4.00 F	.265 LB/AC	PPI									
5C	METRIBUZIN 1	4.00 F	.265 LB/AC	PRE									
6A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	100	85	5	100	100	100	100	75	75
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI									
6C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	98	88	5	98	98	100	100	90	78
7B	BENTAZON	4.00 E	1.000 LB/AC	EP									
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
8A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	85	92	22	85	92	95	100	100	85
8B	PPG-844	2.00 E	.150 LB/AC	EP									
9A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	88	70	15	88	58	90	98	98	92
9B	PPG-844	2.00 E	.150 LB/AC	LP									
10A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	92	98	30	92	95	98	100	98	90
10B	PPG-844	2.00 E	.200 LB/AC	EP									
11A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	80	55	20	80	32	98	98	95	95
11B	PPG-844	2.00 E	.200 LB/AC	LP									
12A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	88	90	20	88	92	95	100	98	88
12B	PPG 1013	.25 EC	.020 LB/AC	EP									
13A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	80	72	15	80	62	95	88	92	88
13B	PPG 1013	.25 EC	.020 LB/AC	MP									
13C	BENTAZON	4.00 E	.500 LB/AC	MP									
13D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
14A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	68	48	20	68	80	90	92	98	90
14B	PPG 1013	4.25 EC	.020 LB/AC	MP									
14C	BENAZOLIN	4.00 F	.250 LB/AC	MP									
15	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	85	55	8	85	58	52	80	92	100
16A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	95	92	2	95	100	100	88	95	98
16B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
17A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	98	90	8	98	100	100	90	92	98
17B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI									
17C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
18A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	95	98	12	95	100	95	100	95	100
18B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI									
18C	IMAZAQUIN	1.50 AS	.100 LB/AC	PPI									
19A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	90	5	92	100	98	70	98	95
19B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
19C	MZH 2091	4.00 EC	.500 LB/AC	PPI									
20A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	92	18	100	100	100	100	95	92
20B	METOLACHLOR	8.00 E	2.500 LB/AC	PPI									
20C	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI									
21A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	100	12	100	100	98	100	98	95
21B	METOLACHLOR	8.00 E	2.500 LB/AC	PPI									
21C	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
22A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	85	85	2	85	92	88	88	98	95
22B	EL 107	80.00 WP	.040 LB/AC	PPI									
23A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	82	82	18	82	98	90	100	95	95
23B	EL 107	80.00 WP	.060 LB/AC	PPI									
24	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI	42	50	8	42	100	80	40	65	65
25A	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI	100	85	0	100	100	100	100	75	65
25B	FMC 57020	6.00 EC	.750 LB/AC	PPI									
26A	METRIBUZIN 1	4.00 F	.340 LB/AC	PPI	100	85	0	100	100	100	95	85	78
26B	FMC 57020	6.00 EC	.750 LB/AC	PPI									
27A	IMAZAQUIN	1.50 AS	.250 LB/AC	PPI	100	99	29	100	100	100	100	98	100
27B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI									

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
43A	RE 39571	3.00 E	1.500 LB/AC	PPI	88	62	0	88	100	95	60	82	70
43B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
44A	RE 39571	3.00 E	2.000 LB/AC	PPI	98	88	2	98	100	98	85	85	72
44B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
45A	RE 39571	3.00 E	3.000 LB/AC	PPI	98	78	0	98	100	92	72	75	58
45B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
46	AC 499	1.95 AS	.032 LB/AC	PPI	58	88	2	58	82	95	100	95	98
47	AC 499	1.95 AS	.063 LB/AC	PPI	60	98	2	60	100	100	100	88	100
48	AC 499	1.95 AS	.093 LB/AC	PPI	82	92	8	82	92	95	100	92	95
49	AC 499	1.95 AS	.125 LB/AC	PPI	100	100	18	100	100	100	100	100	98
50	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100
LSD(05):					11	16	9	11	14	12	16	11	13

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.4%
 DATE TREATED: PPI MAY 16
 PRE MAY 16
 EP JUNE 6
 MP JUNE 24
 LP JUNE 25

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5052 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----						
					CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	80	98	95	98	82	70
1B	METRIBUZIN 2	75.00 DF	.500 LB/AC	PPI							
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	8	95	100	100	98	95	92
2B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PPI							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	90	100	95	100	72	75
3B	METRIBUZIN 1	4.00 F	.265 LB/AC	PPI							
3C	METRIBUZIN 1	4.00 F	.265 LB/AC	PRE							
4A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	2	100	100	98	100	82	80
4B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
5A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	100	98	95	100	75	65
5B	METRIBUZIN 1	4.00 F	.265 LB/AC	PPI							
5C	METRIBUZIN 1	4.00 F	.265 LB/AC	PRE							
6A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	100	100	100	100	70	75
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI							
6C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	98	98	100	100	80	75
7B	BENTAZON	4.00 E	1.000 LB/AC	EP							
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
8A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	5	82	100	95	100	90	82
8B	PPG-844	2.00 E	.150 LB/AC	EP							
9A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	92	78	90	95	95	90
9B	PPG-844	2.00 E	.150 LB/AC	LP							
10A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	10	92	100	92	100	88	85
10B	PPG-844	2.00 E	.200 LB/AC	EP							
11A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	85	82	100	100	95	92
11B	PPG-844	2.00 E	.200 LB/AC	LP							
12A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	10	85	95	92	100	92	85
12B	PPG 1013	.25 EC	.020 LB/AC	EP							
13A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	80	92	100	88	92	85
13B	PPG 1013	.25 EC	.020 LB/AC	MP							
13C	BENTAZON	4.00 E	.500 LB/AC	MP							
13D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5052 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----						
					CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
14A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	72	95	100	98	98	88
14B	PPG 1013	.25 EC	.020 LB/AC	MP							
14C	BENAZOLIN	4.00 F	.250 LB/AC	MP							
15	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	92	75	48	88	90	92
16A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	98	100	92	68	98	90
16B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
17A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	2	98	98	92	70	95	92
17B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI							
17C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE							
18A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	2	95	98	92	95	90	98
18B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI							
18C	IMAZAQUIN	1.50 AS	.100 LB/AC	PPI							
19A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	95	100	95	60	98	92
19B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
19C	MZH 2091	4.00 EC	.500 LB/AC	PPI							
20A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	8	100	100	90	100	90	82
20B	METOLACHLOR	8.00 E	2.500 LB/AC	PPI							
20C	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI							
21A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	100	98	92	100	95	90
21B	METOLACHLOR	8.00 E	2.500 LB/AC	PPI							
21C	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
22A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	98	82	88	100	90
22B	EL 107	80.00 WP	.040 LB/AC	PPI							
23A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	5	88	100	85	95	95	88
23B	EL 107	80.00 WP	.060 LB/AC	PPI							
24	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI	0	38	95	60	35	65	65
25A	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI	0	100	100	100	95	72	72
25B	FMC 57020	6.00 EC	.750 LB/AC	PPI							
26A	METRIBUZIN 1	4.00 F	.340 LB/AC	PPI	0	98	100	98	82	72	72
26B	FMC 57020	6.00 EC	.750 LB/AC	PPI							
27A	IMAZAQUIN	1.50 AS	.250 LB/AC	PPI	19	99	100	100	100	96	99
27B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI							

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TABLE S5052 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----						
					CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
28A	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI	15	65	100	90	32	92	82
28B	MZH 2091	4.00 EC	.500 LB/AC	PPI							
29A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	10	98	98	100	95	88	98
29B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI							
30A	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	12	90	100	100	100	98	100
30B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI							
31A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	12	98	100	100	100	92	98
31B	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI							
32A	IMAZAQUIN	1.50 AS	.250 LB/AC	PPI							
32B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI							
33A	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	12	95	100	100	100	100	100
33B	TRIFLURALIN	4.00 E	.750 LB/AC	PPI							
34A	IMAZAQUIN	1.50 AS	.250 LB/AC	PPI	12	100	100	100	100	100	100
34B	TRIFLURALIN	4.00 E	.750 LB/AC	PPI							
35A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	100	100	98	100	92	95
35B	FMC 57020	6.00 EC	1.000 LB/AC	PPI							
36A	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	8	100	100	98	100	95	98
36B	FMC 57020	6.00 EC	.750 LB/AC	PPI							
37	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	88	75	48	92	92	98
38A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	5	95	100	95	80	90	80
38B	METRIBUZIN 1	4.00 F	.265 LB/AC	PPI							
38C	METRIBUZIN 1	4.00 F	.265 LB/AC	PRE							
39A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	2	82	92	85	90	95	88
39B	EL 107	80.00 WP	.040 LB/AC	PPI							
40A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	98	100	75	85	98	85
40B	EL 107	80.00 WP	.040 LB/AC	PPI							
40C	METRIBUZIN	75.00 DF	.250 LB/AC	PPI							
41A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	0	95	100	95	75	90	98
41B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
42A	METHAZOLE	75.00 WP	2.000 LB/AC	PPI	2	72	100	88	100	85	70
42B	ALACHLOR	4.00 MT	2.500 LB/AC	PPI							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5052 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION -----						
					CRIN	GIFT	COLQ	JIWE	BLNS	ILMG	TAMG
43A	RE 39571	3.00 E	1.500 LB/AC	PPI	0	90	100	82	48	72	70
43B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
44A	RE 39571	3.00 E	2.000 LB/AC	PPI	0	90	100	98	68	72	72
44B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
45A	RE 39571	3.00 E	3.000 LB/AC	PPI	0	100	100	90	70	72	58
45B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
46	AC 499	1.95 AS	.032 LB/AC	PPI	0	62	95	92	100	90	98
47	AC 499	1.95 AS	.063 LB/AC	PPI	0	75	100	100	100	90	95
48	AC 499	1.95 AS	.093 LB/AC	PPI	5	82	98	95	100	90	95
49	AC 499	1.95 AS	.125 LB/AC	PPI	5	95	100	100	100	95	100
50	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
LSD(05):					6	11	9	15	20	11	14

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5
 O.M.: 3.4%

DATE TREATED: PPI MAY 16
 PRE MAY 16
 EP JUNE 6
 MP JUNE 24
 LP JUNE 25

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	PESW	ILMG
1A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	98	92	8	98	98	98	100	92
1B	IMAZAQUIN	1.50 AS	.125	LB/AC MP								
1C	2,4-DB	2.00 E	.030	LB/AC MP								
2A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	95	98	8	95	100	100	100	98
2B	IMAZAQUIN	1.50 AS	.125	LB/AC MP								
2C	ACIFLUORFEN	2.00 L	.250	LB/AC MP								
3A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	95	95	5	95	98	100	100	95
3B	IMAZAQUIN	1.50 AS	.125	LB/AC MP								
3C	ACIFLUORFEN	2.00 L	.380	LB/AC MP								
4A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	90	88	0	90	100	100	100	88
4B	IMAZAQUIN	1.50 AS	.125	LB/AC MP								
4C	BENTAZON	4.00 E	.750	LB/AC MP								
5A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	92	92	5	92	100	100	100	92
5B	IMAZAQUIN	1.50 AS	.125	LB/AC MP								
5C	BENTAZON	4.00 E	1.000	LB/AC MP								
6A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	98	98	5	98	100	100	100	98
6B	DPX F6025 + METRIBUZ	75.00 DF	.500	LB/AC PRE								
6C	DPX F6025	25.00 DF	.008	LB/AC MP								
6D	X-77 (SURFACTANT)	.50 WA	.250	% MP								
7A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	95	100	12	95	100	100	100	100
7B	DPX F6025 + METRIBUZ	75.00 DF	.500	LB/AC PRE								
7C	DPX F6025	25.00 DF	.016	LB/AC MP								
7D	X-77 (SURFACTANT)	.50 WA	.250	% MP								
8A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	100	98	8	98	100	100	100	95
8B	METRIBUZIN 2	4.00 L	.500	LB/AC PRE								
8C	DPX F6025	25.00 DF	.008	LB/AC MP								
8D	X-77 (SURFACTANT)	.50 WA	.250	% MP								
9A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	95	90	25	95	100	100	100	90
9B	METRIBUZIN 2	4.00 L	.500	LB/AC PRE								
9C	DPX F6025	25.00 DF	.016	LB/AC MP								
9D	X-77 (SURFACTANT)	.50 WA	.250	% MP								
10A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	90	88	5	90	92	100	100	90
10B	DPX F6025	25.00 DF	.008	LB/AC MP								
10C	X-77 (SURFACTANT)	.50 WA	.250	% MP								
11A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	95	88	8	95	90	100	100	92
11B	DPX F6025	25.00 DF	.012	LB/AC MP								
11C	X-77 (SURFACTANT)	.50 WA	.250	% MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	PESW	ILMG
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	95	8	95	98	95	100	100
12B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	EP								
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	2	98	98	100	100	100
13B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	EP								
13C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	100	5	98	100	100	100	100
14B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	EP								
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	92	98	100	100	95
15B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP								
15C	BENTAZON	4.00 E	.500 LB/AC	EP								
15D	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	10	98	95	100	100	95
16B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP								
16C	BENTAZON	4.00 E	.500 LB/AC	EP								
16D	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	95	8	98	98	100	100	100
17B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
17C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	8	90	95	100	100	98
18B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
18C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	95	10	98	100	100	98	100
19B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
19C	2,4-DB	2.00 E	.030 LB/AC	MP								
19D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	10	98	100	100	100	100
20B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
20C	2,4-DB	2.00 E	.030 LB/AC	MP								
20D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	95	10	95	98	100	100	98
21B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
21C	BENTAZON	4.00 E	.500 LB/AC	MP								
21D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	100	10	98	100	100	100	100
22B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP								
22C	BENTAZON	4.00 E	.500 LB/AC	MP								
22D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	PESW	ILMG
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	92	8	90	95	98	100	92
23B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
23C	BENTAZON	4.00 E	.500 LB/AC	MP								
23D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	10	98	98	100	100	100
24B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP								
24C	BENTAZON	4.00 E	.500 LB/AC	MP								
24D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	2	98	98	100	100	98
25B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
25C	BENTAZON	4.00 E	.500 LB/AC	MP								
25D	10 34 0	.00 AD	1.000 QT/AC	MP								
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	100	0	98	100	100	100	100
26B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP								
26C	BENTAZON	4.00 E	.500 LB/AC	MP								
26D	10 34 0	.00 AD	1.000 QT/AC	MP								
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	0	98	98	100	100	95
27B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
27C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP								
27D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	8	95	98	100	100	100
28B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
28C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP								
28D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	95	5	95	98	100	100	100
29B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
29C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP								
29D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	100	5	98	100	100	100	100
30B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
30C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP								
30D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	92	0	90	95	98	98	98
31B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
31C	DPX F6025	25.00 DF	.004 LB/AC	MP								
31D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	PESW	ILMG
32A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	95	2	98	98	100	100	98
32B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
32C	DPX F6025	25.00 DF	.008 LB/AC	MP								
32D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
33A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	98	5	98	100	100	100	100
33B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
33C	DPX F6025	25.00 DF	.004 LB/AC	MP								
33D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
34A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	98	0	95	100	100	100	98
34B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
34C	DPX F6025	25.00 DF	.008 LB/AC	MP								
34D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
35A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	85	8	95	95	98	95	95
35B	RH-0265	2.00 E	.120 LB/AC	MP								
35C	2,4-DB	2.00 E	.030 LB/AC	MP								
36A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	20	92	95	100	95	100
36B	RH-0265	2.00 E	.120 LB/AC	LP								
36C	2,4-DB	2.00 E	.030 LB/AC	LP								
37A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	95	2	100	100	100	95	98
37B	RH-0265	2.00 E	.180 LB/AC	MP								
37C	2,4-DB	2.00 E	.030 LB/AC	MP								
38A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	98	20	90	98	100	100	98
38B	RH-0265	2.00 E	.180 LB/AC	LP								
38C	2,4-DB	2.00 E	.030 LB/AC	LP								
39A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	90	5	100	100	100	100	90
39B	BENTAZON	4.00 E	.500 LB/AC	MP								
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
40A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	92	0	100	100	100	100	92
40B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
40C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
41A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	98	2	100	100	100	100	98
41B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
41C	2,4-DB	2.00 E	.030 LB/AC	MP								
41D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
42A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	92	2	100	100	100	100	92
42B	DPX F6025	25.00 DF	.008 LB/AC	MP								
42C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	PESW	ILMG
43A	SD 95481	7.00 EC	1.400 LB/AC	PRE	98	95	8	98	95	100	98	100
43B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
43C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP								
44A	SD 95481	7.00 EC	1.400 LB/AC	PRE	98	90	10	98	98	100	100	90
44B	BENTAZON	4.00 E	1.000 LB/AC	MP								
44C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
45A	SD 95481	7.00 EC	1.400 LB/AC	PRE	100	98	12	100	100	100	100	100
45B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP								
45C	BENTAZON	4.00 E	.500 LB/AC	MP								
45D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
46A	SD 95481	7.00 EC	1.400 LB/AC	PRE	100	98	15	100	98	100	100	100
46B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
46C	2,4-DB	2.00 E	.030 LB/AC	MP								
46D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
47A	SD 95481	7.00 EC	1.400 LB/AC	PRE	92	90	10	92	100	100	100	90
47B	BENTAZON	4.00 E	.750 LB/AC	MP								
47C	2,4-DB	2.00 E	.030 LB/AC	MP								
47D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
48	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(05):		6	8	12	6	NS	NS	NS	6

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.4%
 DATE TREATED: PRE MAY 17
 EP JUNE 6
 MP JUNE 10
 LP JUNE 24

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5053 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	COLQ	JIWE	PESW	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	80	95	100	80
1B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP						
1C	2,4-DB	2.00 E	.030 LB/AC	MP						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	92	98	98	100	88
2B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP						
2C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	100	92	98	98	90
3B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP						
3C	ACIFLUORFEN	2.00 L	.380 LB/AC	MP						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	95	100	98	70
4B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP						
4C	BENTAZON	4.00 E	.750 LB/AC	MP						
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	98	100	98	85
5B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP						
5C	BENTAZON	4.00 E	1.000 LB/AC	MP						
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	98	95	100	100	88
6B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE						
6C	DPX F6025	25.00 DF	.008 LB/AC	MP						
6D	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	90	98	100	100	90
7B	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE						
7C	DPX F6025	25.00 DF	.016 LB/AC	MP						
7D	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	100	92	100	100	88
8B	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE						
8C	DPX F6025	25.00 DF	.008 LB/AC	MP						
8D	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	88	98	100	82
9B	METRIBUZIN 2	4.00 L	.500 LB/AC	PRE						
9C	DPX F6025	25.00 DF	.016 LB/AC	MP						
9D	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	85	88	98	98	75
10B	DPX F6025	25.00 DF	.008 LB/AC	MP						
10C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	90	78	88	78	78
11B	DPX F6025	25.00 DF	.012 LB/AC	MP						
11C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5053 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION----					
					CRIN	GIFT	COLQ	JIWE	PESW	ILMG
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	82	90	95	85
12B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	EP						
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	90	90	100	100	85
13B	ACIFLUORFEN 2	2.00 L	.500 LB/AC	EP						
13C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	98	100	100	95
14B	ACIFLUORFEN 2	2.00 L	.750 LB/AC	EP						
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	82	82	90	98	80
15B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP						
15C	BENTAZON	4.00 E	.500 LB/AC	EP						
15D	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	92	85	98	100	85
16B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP						
16C	BENTAZON	4.00 E	.500 LB/AC	EP						
16D	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	90	80	88	98	88
17B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
17C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	82	88	100	100	90
18B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
18C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	90	88	88	98	88
19B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
19C	2,4-DB	2.00 E	.030 LB/AC	MP						
19D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	98	88	100	90	78
20B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
20C	2,4-DB	2.00 E	.030 LB/AC	MP						
20D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	98	88	85	100	85
21B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
21C	BENTAZON	4.00 E	.500 LB/AC	MP						
21D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	88	90	100	100	80
22B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP						
22C	BENTAZON	4.00 E	.500 LB/AC	MP						
22D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5053 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	COLQ	JIWE	PESW	ILMG
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	80	90	92	100	80
23B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
23C	BENTAZON	4.00 E	.500 LB/AC	MP						
23D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	80	100	100	80
24B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP						
24C	BENTAZON	4.00 E	.500 LB/AC	MP						
24D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	82	100	100	80
25B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
25C	BENTAZON	4.00 E	.500 LB/AC	MP						
25D	10 34 0	.00 AD	1.000 QT/AC	MP						
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	100	100	100	92
26B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP						
26C	BENTAZON	4.00 E	.500 LB/AC	MP						
26D	10 34 0	.00 AD	1.000 QT/AC	MP						
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	82	100	100	68
27B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
27C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP						
27D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	8	98	98	100	100	88
28B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
28C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP						
28D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	92	82	100	100	80
29B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
29C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP						
29D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	100	100	100	90
30B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
30C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP						
30D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	90	100	85	80
31B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
31C	DPX F6025	25.00 DF	.004 LB/AC	MP						
31D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5053 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	COLQ	JIWE	PESW	ILMG
32A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	85	100	100	82
32B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
32C	DPX F6025	25.00 DF	.008 LB/AC	MP						
32D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
33A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	85	100	100	88
33B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
33C	DPX F6025	25.00 DF	.004 LB/AC	MP						
33D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
34A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	100	100	100	82
34B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
34C	DPX F6025	25.00 DF	.008 LB/AC	MP						
34D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
35A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	5	98	78	100	80	72
35B	RH-0265	2.00 E	.120 LB/AC	MP						
35C	2,4-DB	2.00 E	.030 LB/AC	MP						
36A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	80	100	88	95
36B	RH-0265	2.00 E	.120 LB/AC	LP						
36C	2,4-DB	2.00 E	.030 LB/AC	LP						
37A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	85	90	100	100	88
37B	RH-0265	2.00 E	.180 LB/AC	MP						
37C	2,4-DB	2.00 E	.030 LB/AC	MP						
38A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	8	82	90	100	100	88
38B	RH-0265	2.00 E	.180 LB/AC	LP						
38C	2,4-DB	2.00 E	.030 LB/AC	LP						
39A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	92	88	100	100	88
39B	BENTAZON	4.00 E	.500 LB/AC	MP						
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
40A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	98	100	100	100	88
40B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
40C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
41A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	92	88	100	100	80
41B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
41C	2,4-DB	2.00 E	.030 LB/AC	MP						
41D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
42A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	95	92	100	100	90
42B	DPX F6025	25.00 DF	.008 LB/AC	MP						
42C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						

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TABLE S5053 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	COLQ	JIWE	PESW	ILMG
43A	SD 95481	7.00 EC	1.400 LB/AC	PRE	5	98	100	100	100	95
43B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
43C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP						
44A	SD 95481	7.00 EC	1.400 LB/AC	PRE	0	92	85	100	100	88
44B	BENTAZON	4.00 E	1.000 LB/AC	MP						
44C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
45A	SD 95481	7.00 EC	1.400 LB/AC	PRE	8	92	95	100	98	88
45B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP						
45C	BENTAZON	4.00 E	.500 LB/AC	MP						
45D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
46A	SD 95481	7.00 EC	1.400 LB/AC	PRE	0	92	88	100	100	88
46B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
46C	2,4-DB	2.00 E	.030 LB/AC	MP						
46D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
47A	SD 95481	7.00 EC	1.400 LB/AC	PRE	0	92	88	88	100	80
47B	BENTAZON	4.00 E	.750 LB/AC	MP						
47C	2,4-DB	2.00 E	.030 LB/AC	MP						
47D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
48	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100

LSD(05): 5 6 6 3 3 7

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.4%
 DATE TREATED: PRE MAY 17
 EP JUNE 6
 MP JUNE 10
 LP JUNE 24

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TABLE S5027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----										
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG	
1	HOE 33171	1.00 EC	.100 LB/AC	MP	93	10	0	93	20	27	83	53	87	67	
2	HOE 33171	1.00 EC	.150 LB/AC	MP	97	10	0	97	10	43	63	47	90	87	
3A	HOE 33171	1.00 EC	.100 LB/AC	MP	97	20	0	97	27	30	90	57	83	87	
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
4A	HOE 33171	1.00 EC	.150 LB/AC	25D	97	47	0	97	97	100	73	50	93	97	
4B	BENTAZON	4.00 E	1.000 LB/AC	25D											
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	25D											
5A	HOE 33171	1.00 EC	.200 LB/AC	25D	93	100	3	93	97	100	100	100	100	97	
5B	BENTAZON	4.00 E	.500 LB/AC	25D											
5C	ACIFLUORFEN	2.00 L	.250 LB/AC	25D											
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	25D											
6A	DOWCO 453	2.00 E	.090 LB/AC	EP	63	87	3	63	83	93	97	97	100	93	
6B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP											
6C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											
7A	DOWCO 453	2.00 E	.090 LB/AC	MP	100	93	3	100	93	100	100	100	100	90	
7B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP											
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
8A	DOWCO 453	2.00 E	.130 LB/AC	EP	90	100	13	90	100	100	100	100	100	93	
8B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP											
8C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											
9A	DOWCO 453	2.00 E	.130 LB/AC	MP	97	93	3	97	90	100	100	100	100	100	
9B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP											
9C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
10A	DOWCO 453	2.00 E	.130 LB/AC	EP	93	60	0	93	87	97	67	67	90	83	
10B	BENTAZON	4.00 E	.750 LB/AC	EP											
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
11A	DOWCO 453	2.00 E	.130 LB/AC	MP	97	53	0	97	93	100	47	80	90	73	
11B	BENTAZON	4.00 E	.750 LB/AC	MP											
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
12A	DOWCO 453	2.00 E	.090 LB/AC	EP	93	100	0	93	100	100	100	100	100	97	
12B	BENTAZON	4.00 E	.500 LB/AC	EP											
12C	ACIFLUORFEN	2.00 L	.500 LB/AC	EP											
12D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											

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TABLE S5027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----										
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG	
13A	DOWCO 453	2.00 E	.090 LB/AC	MP	100	100	3	100	97	100	100	100	100	97	
13B	BENTAZON	4.00 E	.500 LB/AC	MP											
13C	ACIFLUORFEN	2.00 L	.500 LB/AC	MP											
13D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
14A	DOWCO 453	2.00 E	.130 LB/AC	EP	87	97	7	87	97	97	100	100	100	97	
14B	BENTAZON	4.00 E	.500 LB/AC	EP											
14C	ACIFLUORFEN	2.00 L	.500 LB/AC	EP											
14D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											
15A	DOWCO 453	2.00 E	.130 LB/AC	MP	100	100	3	100	97	100	100	100	100	97	
15B	BENTAZON	4.00 E	.500 LB/AC	MP											
15C	ACIFLUORFEN	2.00 L	.500 LB/AC	MP											
15D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
16A	DOWCO 453	2.00 E	.130 LB/AC	EP	90	57	10	90	90	100	37	87	100	93	
16B	BENTAZON	4.00 E	.750 LB/AC	EP											
16C	2,4-DB	2.00 E	.030 LB/AC	EP											
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
17A	DOWCO 453	2.00 E	.130 LB/AC	MP	93	57	10	93	90	100	57	60	100	100	
17B	BENTAZON	4.00 E	.750 LB/AC	MP											
17C	2,4-DB	2.00 E	.030 LB/AC	MP											
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
18A	DOWCO 453	2.00 E	.090 LB/AC	EP	100	97	3	100	97	100	100	100	100	100	
18B	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP											
18C	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D											
18D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D											
19A	DOWCO 453	2.00 E	.090 LB/AC	MP	100	93	3	100	83	100	100	100	100	90	
19B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
19C	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D											
19D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D											
20A	DOWCO 453	2.00 E	.090 LB/AC	EP	67	83	0	67	100	100	77	100	93	87	
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
20C	BENTAZON	4.00 E	.750 LB/AC	+4D											
20D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D											
21A	DOWCO 453	2.00 E	.090 LB/AC	MP	100	50	0	100	80	100	23	93	97	97	
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
21C	BENTAZON	4.00 E	.750 LB/AC	+4D											
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D											

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TABLE S5027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----										
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG	
22A	Y 6202	.80 L	.060 LB/AC	MP	83	50	3	83	47	100	80	100	100	97	
22B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
22C	DPX F6025	25.00 DF	.008 LB/AC	+1D											
22D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D											
23A	Y 6202	.80 L	.090 LB/AC	MP	90	40	0	90	27	100	67	100	97	83	
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
23C	DPX F6025	25.00 DF	.008 LB/AC	+1D											
23D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D											
24A	Y 6202	.80 L	.120 LB/AC	MP	83	53	0	83	43	100	70	100	97	80	
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
24C	DPX F6025	25.00 DF	.008 LB/AC	+1D											
24D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D											
25A	DPX F6025	25.00 DF	.008 LB/AC	-3D	83	70	0	83	50	100	87	100	100	97	
25B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D											
25C	Y 6202	.80 L	.060 LB/AC	MP											
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
26A	DPX F6025	25.00 DF	.008 LB/AC	-3D	80	63	0	80	50	100	90	100	100	80	
26B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D											
26C	Y 6202	.80 L	.090 LB/AC	MP											
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
27A	DPX F6025	25.00 DF	.008 LB/AC	-3D	87	60	0	87	40	100	80	100	97	90	
27B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D											
27C	Y 6202	.80 L	.120 LB/AC	MP											
27D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
28A	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	MP	90	83	27	90	97	100	67	90	97	90	
28B	BENTAZON	4.00 E	1.000 LB/AC	MP											
28C	2,4-DB	2.00 E	.030 LB/AC	MP											
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
29A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP	83	43	23	83	90	100	27	67	97	100	
29B	BENTAZON	4.00 E	1.000 LB/AC	MP											
29C	2,4-DB	2.00 E	.030 LB/AC	MP											
29D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
30A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	100	77	27	100	97	97	70	83	100	97	
30B	BENTAZON	4.00 E	1.000 LB/AC	MP											
30C	2,4-DB	2.00 E	.030 LB/AC	MP											
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											

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TABLE S5027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----										
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG	
31A	BAS 517	1.67 E	.050 LB/AC	LP	83	53	0	83	97	100	53	80	97	87	
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
31C	BENTAZON	4.00 E	.750 LB/AC	-5D											
31D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D											
32A	BAS 517	1.67 E	.075 LB/AC	LP	93	53	0	93	93	100	47	63	93	80	
32B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
32C	BENTAZON	4.00 E	.750 LB/AC	-5D											
32D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D											
33A	BAS 517	1.67 E	.100 LB/AC	LP	93	73	0	93	100	100	70	83	90	83	
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
33C	BENTAZON	4.00 E	.750 LB/AC	-5D											
33D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D											
34A	BAS 517	1.67 E	.150 LB/AC	LP	97	63	0	97	97	100	63	77	97	80	
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
34C	BENTAZON	4.00 E	.750 LB/AC	-5D											
34D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D											
35A	SC 1084	4.00 E	.125 LB/AC	LP	23	77	0	23	100	100	67	93	90	87	
35B	BENTAZON	4.00 E	1.000 LB/AC	LP											
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
36A	SC 1084	4.00 E	.125 LB/AC	LP	63	47	0	63	67	100	73	53	87	77	
36B	BENTAZON	4.00 E	1.000 LB/AC	SEQ											
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ											
37A	SC 1084	4.00 E	.250 LB/AC	LP	37	37	0	37	83	100	20	97	87	93	
37B	BENTAZON	4.00 E	1.000 LB/AC	LP											
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
38A	SC 1084	4.00 E	.250 LB/AC	LP	87	40	0	87	60	100	60	57	83	83	
38B	BENTAZON	4.00 E	1.000 LB/AC	SEQ											
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ											
39A	SC 1084	4.00 E	.380 LB/AC	LP	67	57	0	67	87	100	43	87	97	87	
39B	BENTAZON	4.00 E	1.000 LB/AC	LP											
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
40A	SC 1084	4.00 E	.380 LB/AC	LP	90	50	0	90	67	100	47	17	90	87	
40B	BENTAZON	4.00 E	1.000 LB/AC	SEQ											
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ											
			LSD(05):		22	26	6	22	20	6	30	27	11	16	

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TABLE S5027 SOYBEAN POSTEMERGENCE II

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 6.5 O.M.: 3.4%
DATE PLANTED: MAY 16	DATE TREATED: EP, -3D JUNE 6
VARIETY: WILLIAMS	MP, +4D JUNE 10
	25D, +5D JUNE 10
	+1D JUNE 11
	+4D JUNE 14
	LP JUNE 15
	SEQ JUNE 24

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TABLE S5054 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----							
					CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG
1	HOE 33171	1.00 EC	.100 LB/AC	MP	0	100	17	27	73	53	80	57
2	HOE 33171	1.00 EC	.150 LB/AC	MP	0	100	10	40	63	50	80	77
3A	HOE 33171	1.00 EC	.100 LB/AC	MP	0	100	27	33	83	53	83	77
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
4A	HOE 33171	1.00 EC	.150 LB/AC	25D	0	100	97	100	73	40	90	93
4B	BENTAZON	4.00 E	1.000 LB/AC	25D								
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	25D								
5A	HOE 33171	1.00 EC	.200 LB/AC	25D	0	93	93	100	100	100	97	93
5B	BENTAZON	4.00 E	.500 LB/AC	25D								
5C	ACIFLUORFEN	2.00 L	.250 LB/AC	25D								
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	25D								
6A	DOWCO 453	2.00 E	.090 LB/AC	EP	0	93	100	100	100	100	100	93
6B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP								
6C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
7A	DOWCO 453	2.00 E	.090 LB/AC	MP	0	100	93	100	100	100	97	90
7B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
8A	DOWCO 453	2.00 E	.130 LB/AC	EP	0	90	100	100	100	100	100	93
8B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP								
8C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
9A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	100	90	100	100	100	100	100
9B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
9C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
10A	DOWCO 453	2.00 E	.130 LB/AC	EP	0	100	83	97	73	60	87	77
10B	BENTAZON	4.00 E	.750 LB/AC	EP								
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
11A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	100	97	100	47	73	87	73
11B	BENTAZON	4.00 E	.750 LB/AC	MP								
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
12A	DOWCO 453	2.00 E	.090 LB/AC	EP	0	90	100	100	100	100	100	97
12B	BENTAZON	4.00 E	.500 LB/AC	EP								
12C	ACIFLUORFEN	2.00 L	.500 LB/AC	EP								
12D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								

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TABLE S5054 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----							
					CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG
13A	DOWCO 453	2.00 E	.090 LB/AC	MP	0	97	97	100	100	100	97	93
13B	BENTAZON	4.00 E	.500 LB/AC	MP								
13C	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
13D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
14A	DOWCO 453	2.00 E	.130 LB/AC	EP	3	90	100	100	100	100	100	97
14B	BENTAZON	4.00 E	.500 LB/AC	EP								
14C	ACIFLUORFEN	2.00 L	.500 LB/AC	EP								
14D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
15A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	100	100	100	100	100	97	100
15B	BENTAZON	4.00 E	.500 LB/AC	MP								
15C	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
15D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
16A	DOWCO 453	2.00 E	.130 LB/AC	EP	7	93	90	100	37	87	100	93
16B	BENTAZON	4.00 E	.750 LB/AC	EP								
16C	2,4-DB	2.00 E	.030 LB/AC	EP								
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
17A	DOWCO 453	2.00 E	.130 LB/AC	MP	0	100	93	100	47	53	100	97
17B	BENTAZON	4.00 E	.750 LB/AC	MP								
17C	2,4-DB	2.00 E	.030 LB/AC	MP								
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
18A	DOWCO 453	2.00 E	.090 LB/AC	EP	0	100	100	100	100	100	100	100
18B	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
18C	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D								
18D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D								
19A	DOWCO 453	2.00 E	.090 LB/AC	MP	0	100	87	100	100	100	100	87
19B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
19C	ACIFLUORFEN	2.00 L	.500 LB/AC	+4D								
19D	OIL CONCENTRATE	.00 AD	.500 QT/AC	+4D								
20A	DOWCO 453	2.00 E	.090 LB/AC	EP	0	100	100	100	70	100	80	70
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
20C	BENTAZON	4.00 E	.750 LB/AC	+4D								
20D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D								
21A	DOWCO 453	2.00 E	.090 LB/AC	MP	0	100	90	100	17	97	93	97
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
21C	BENTAZON	4.00 E	.750 LB/AC	+4D								
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D								

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TABLE S5054 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----							
					CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG
22A	Y 6202	.80 L	.060 LB/AC	MP	0	93	47	100	77	100	100	93
22B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
22C	DPX F6025	25.00 DF	.008 LB/AC	+1D								
22D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D								
23A	Y 6202	.80 L	.090 LB/AC	MP	0	100	27	100	60	100	93	83
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
23C	DPX F6025	25.00 DF	.008 LB/AC	+1D								
23D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D								
24A	Y 6202	.80 L	.120 LB/AC	MP	0	93	40	97	70	100	90	77
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
24C	DPX F6025	25.00 DF	.008 LB/AC	+1D								
24D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D								
25A	DPX F6025	25.00 DF	.008 LB/AC	-3D	0	93	47	100	80	100	100	97
25B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D								
25C	Y 6202	.80 L	.060 LB/AC	MP								
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
26A	DPX F6025	25.00 DF	.008 LB/AC	-3D	0	93	47	100	93	100	97	83
26B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D								
26C	Y 6202	.80 L	.090 LB/AC	MP								
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
27A	DPX F6025	25.00 DF	.008 LB/AC	-3D	0	93	40	100	80	100	100	93
27B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D								
27C	Y 6202	.80 L	.120 LB/AC	MP								
27D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
28A	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	MP	3	90	97	100	67	87	97	90
28B	BENTAZON	4.00 E	1.000 LB/AC	MP								
28C	2,4-DB	2.00 E	.030 LB/AC	MP								
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
29A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP	3	97	93	100	27	60	100	100
29B	BENTAZON	4.00 E	1.000 LB/AC	MP								
29C	2,4-DB	2.00 E	.030 LB/AC	MP								
29D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
30A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	3	100	100	97	73	73	100	97
30B	BENTAZON	4.00 E	1.000 LB/AC	MP								
30C	2,4-DB	2.00 E	.030 LB/AC	MP								
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

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TABLE S5054 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION-----							
					CRIN	GIFT	COLQ	JIWE	BLNS	RRPW	ILMG	TAMG
31A	BAS 517	1.67 E	.050 LB/AC	LP	0	100	100	100	53	77	93	87
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
31C	BENTAZON	4.00 E	.750 LB/AC	-5D								
31D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D								
32A	BAS 517	1.67 E	.075 LB/AC	LP	0	100	97	100	43	60	87	80
32B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
32C	BENTAZON	4.00 E	.750 LB/AC	-5D								
32D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D								
33A	BAS 517	1.67 E	.100 LB/AC	LP	0	100	100	100	63	83	87	83
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
33C	BENTAZON	4.00 E	.750 LB/AC	-5D								
33D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D								
34A	BAS 517	1.67 E	.150 LB/AC	LP	0	100	97	100	60	73	93	77
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
34C	BENTAZON	4.00 E	.750 LB/AC	-5D								
34D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-5D								
35A	SC 1084	4.00 E	.125 LB/AC	LP	0	40	100	100	80	97	90	90
35B	BENTAZON	4.00 E	1.000 LB/AC	LP								
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
36A	SC 1084	4.00 E	.125 LB/AC	LP	0	80	80	100	80	67	90	77
36B	BENTAZON	4.00 E	1.000 LB/AC	SEQ								
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ								
37A	SC 1084	4.00 E	.250 LB/AC	LP	0	60	100	100	20	100	87	90
37B	BENTAZON	4.00 E	1.000 LB/AC	LP								
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
38A	SC 1084	4.00 E	.250 LB/AC	LP	0	97	63	100	60	63	83	80
38B	BENTAZON	4.00 E	1.000 LB/AC	SEQ								
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ								
39A	SC 1084	4.00 E	.380 LB/AC	LP	0	80	93	100	37	87	93	87
39B	BENTAZON	4.00 E	1.000 LB/AC	LP								
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
40A	SC 1084	4.00 E	.380 LB/AC	LP	0	100	77	100	47	17	90	83
40B	BENTAZON	4.00 E	1.000 LB/AC	SEQ								
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ								
LSD(05) :					NS	12	18	5	33	33	12	16

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TABLE S5054 SOYBEAN POSTEMERGENCE II

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.4%
DATE PLANTED: MAY 16 DATE TREATED: EP, -3D JUNE 6
VARIETY: WILLIAMS MP, +4D JUNE 10
25D, +5D JUNE 10
+1D JUNE 11
+4D JUNE 14
LP JUNE 15
SEQ JUNE 24

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TABLE S5033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----								--8 WEEKS AFTER APPLI			
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	TAMG	CRIN	GIFT	JIWE	TAMG	
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	67	0	93	100	100	57	7	97	100	60	
1B	BENAZOLIN	4.00 F	.380 LB/AC	MP												
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	93	0	90	100	100	90	0	87	100	87	
2B	BENAZOLIN	4.00 F	.200 LB/AC	MP												
2C	BENTAZON	4.00 E	.500 LB/AC	MP												
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	83	0	87	100	100	77	0	97	100	73	
3B	BENAZOLIN	4.00 F	.250 LB/AC	MP												
3C	BENTAZON	4.00 E	.380 LB/AC	MP												
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	90	93	100	73	3	97	97	70	
4B	BENAZOLIN	4.00 F	.380 LB/AC	MP												
4C	BENTAZON	4.00 E	.250 LB/AC	MP												
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	87	20	97	100	100	87	3	100	100	73	
5B	BROMOXYNIL 2	2.00 E	.380 LB/AC	V5												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	70	37	93	100	100	63	10	90	100	57	
6B	BROMOXYNIL 2	2.00 E	.750 LB/AC	V5												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	7	97	100	100	90	0	100	100	93	
7B	ACIFLUORFEN	2.00 L	.500 LB/AC	EP												
7C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	3	100	97	100	50	3	100	97	53	
8B	CHLORAMBEN	75.00 DS	2.700 LB/AC	EP												
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	17	97	100	100	80	0	100	100	90	
9B	CHLORAMBEN	75.00 DS	2.700 LB/AC	EP												
9C	2,4-DB	2.00 E	.030 LB/AC	EP												
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP												
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	67	0	93	97	100	50	0	97	93	63	
10B	CHLORAMBEN	75.00 DS	2.250 LB/AC	CRK												
10C	NANPA/DN	3.00 E	2.250 LB/AC	CRK												
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	70	0	97	100	100	60	0	100	97	57	
11B	CHLORAMBEN	75.00 DS	2.250 LB/AC	CRK												
11C	NANPA/DN	3.00 E	3.000 LB/AC	CRK												

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TABLE S5033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	TAMG	CRIN	GIFT	JIWE	TAMG
12A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	60	70	0	60	87	100	47	0	73	87	57
12B	HOE 33171	1.00 EC	.150 LB/AC	25D											
13A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	93	63	0	93	80	100	50	0	97	87	60
13B	CLOPROXYDIM	4.00 E	.250 LB/AC	MP											
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
14A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	67	0	97	93	100	67	3	100	93	60
14B	DOWCO 453	2.00 E	.030 LB/AC	2"G											
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2"G											
15A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	93	70	0	93	100	100	60	0	97	100	63
15B	DOWCO 453	2.00 E	.060 LB/AC	2"G											
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2"G											
16A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	63	0	97	97	100	50	0	97	100	57
16B	DOWCO 453	2.00 E	.090 LB/AC	2"G											
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2"G											
17A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	67	7	97	87	100	40	7	97	80	63
17B	DOWCO 453	2.00 E	.130 LB/AC	2"G											
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2"G											
18A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	67	0	97	97	100	50	3	100	93	60
18B	DOWCO 453	2.00 E	.130 LB/AC	MP											
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
19A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	63	0	97	93	97	50	0	100	97	60
19B	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	LP											
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
20A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	93	63	0	93	97	100	60	3	97	93	57
20B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	2"G											
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2"G											
21A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	57	0	97	100	100	33	3	100	100	53
21B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	LP											
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
22A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	60	0	97	93	100	53	3	100	93	63
22B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	LP											
22C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
23A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	60	0	100	100	100	43	7	100	100	53
23B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	LP											
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											

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TABLE S5033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							--8 WEEKS AFTER APPLI			
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	TAMG	CRIN	GIFT	JIWE	TAMG
24A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	57	0	100	97	100	40	10	97	97	50
24B	FLUAZIFOP BUTYL	4.00 E	.125 LB/AC	LP											
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
25A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	60	0	97	97	100	43	3	100	100	50
25B	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	LP											
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
26A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	53	0	97	97	100	33	0	100	97	53
26B	SC 1084	4.00 E	.125 LB/AC	LP											
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
27A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	60	0	97	93	100	50	0	100	90	63
27B	SC 1084	4.00 E	.250 LB/AC	LP											
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
28A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	97	70	0	97	100	100	57	7	100	97	63
28B	SC 1084	4.00 E	.380 LB/AC	LP											
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
29A	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE	97	60	0	97	100	100	50	3	100	97	57
29B	Y 6202	.80 L	.060 LB/AC	MP											
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
30A	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE	93	63	0	93	83	97	57	0	100	70	57
30B	Y 6202	.80 L	.090 LB/AC	MP											
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
31A	METRIBUZIN 2	75.00 DF	.500 LB/AC	PRE	80	73	0	80	90	100	70	0	93	90	67
31B	Y 6202	.80 L	.120 LB/AC	MP											
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
32A	LINURON	4.00 L	1.000 LB/AC	PRE	93	63	0	93	97	93	57	0	97	100	67
32B	DOWCO 453	2.00 E	.130 LB/AC	MP											
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
33A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	93	90	3	93	100	100	87	0	93	97	87
33B	DOWCO 453	2.00 E	.130 LB/AC	MP											
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
34A	IMAZAQUIN	1.50 AS	.188 LB/AC	MP	80	90	0	80	97	100	87	0	87	97	87
34B	2,4-DB	2.00 E	.030 LB/AC	MP											
35A	IMAZAQUIN	1.50 AS	.188 LB/AC	MP	63	90	0	63	100	100	87	3	67	100	87
35B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP											

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TABLE S5033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----				--8 WEEKS AFTER APPLI						
					GRAS	BRLE	CRIN	GIFT	JIWE	PESW	TAMG	CRIN	GIFT	JIWE	TAMG
36A	IMAZAQUIN	1.50 AS	.188 LB/AC	MP	77	80	3	77	100	100	80	3	97	97	80
36B	BENTAZON	4.00 E	1.000 LB/AC	MP											
37A	DPX F6025	25.00 DF	.060 LB/AC	PRE	97	87	0	97	100	100	87	0	97	100	90
37B	DOWCO 453	2.00 E	.130 LB/AC	MP											
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
38A	BENTAZON	4.00 E	1.000 LB/AC	MP	97	87	10	97	100	100	87	0	97	100	87
38B	2,4-DB	2.00 E	.030 LB/AC	MP											
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
38D	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	LP											
38E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
39A	BENTAZON	4.00 E	1.000 LB/AC	MP	97	93	10	97	100	100	93	0	97	100	87
39B	2,4-DB	2.00 E	.030 LB/AC	MP											
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
39D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	LP											
39E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP											
40	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100
LSD(05):					10	16	5	10	NS	NS	27	NS	10	NS	20

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.4%
 DATE TREATED: PRE MAY 17
 CRK MAY 24
 EP JUNE 6
 2"G JUNE 10
 MP JUNE 10
 25D JUNE 10
 LP JUNE 15
 V5 JUNE 25

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TABLE S5034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----					--8 WEEKS AFTER APPLICATION --						
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	CRIN	GIFT	COLQ	JIWE	BLNS
1A	BENTAZON	4.00 E	.750 LB/AC	MP	62	60	0	62	95	82	22	2	62	85	85	10
1B	SETHOXYDIM	1.53 EC	.200 LB/AC	MP												
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
2A	BENTAZON	4.00 E	.750 LB/AC	MP	90	68	2	90	92	88	40	5	82	85	82	20
2B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP												
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
3A	BENTAZON	4.00 E	.750 LB/AC	MP	95	72	0	95	92	85	45	5	88	85	78	62
3B	DOWCO 453	2.00 E	.130 LB/AC	MP												
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
4A	BENTAZON	4.00 E	.750 LB/AC	MP	70	68	0	70	92	75	35	5	65	85	88	10
4B	Y 6202	.80 L	.060 LB/AC	MP												
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
5A	BENTAZON	4.00 E	.750 LB/AC	MP	78	60	5	78	82	78	40	2	68	88	75	20
5B	SC 1084	4.00 E	.250 LB/AC	MP												
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
6A	BENTAZON	4.00 E	.750 LB/AC	MP	88	68	2	88	92	75	35	2	75	85	85	15
6B	HOE 33171	1.00 EC	.150 LB/AC	MP												
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
7A	BENTAZON	4.00 E	.750 LB/AC	MP	78	65	2	78	90	88	48	5	70	80	80	30
7B	CLOPROXYDIM	4.00 E	.250 LB/AC	MP												
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
8A	BENTAZON	4.00 E	.750 LB/AC	MP	78	88	10	78	90	85	98	5	70	85	85	85
8B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
8C	SETHOXYDIM	1.53 EC	.200 LB/AC	MP												
8D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
9A	BENTAZON	4.00 E	.750 LB/AC	MP	88	88	8	88	90	88	100	5	75	90	82	88
9B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
9C	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	MP												
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
10A	BENTAZON	4.00 E	.750 LB/AC	MP	88	88	12	88	88	90	98	5	82	85	85	85
10B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
10C	DOWCO 453	2.00 E	.130 LB/AC	MP												
10D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
11A	BENTAZON	4.00 E	.750 LB/AC	MP	68	85	10	68	90	85	98	2	60	82	80	82
11B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
11C	Y 6202	.80 L	.060 LB/AC	MP												
11D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							--8 WEEKS AFTER APPLICATION --				
					GRAS	BRLE	CRIN	GIFT	COLQ	JIWE	BLNS	CRIN	GIFT	COLQ	JIWE	BLNS
12A	BENTAZON	4.00 E	.750 LB/AC	MP	85	88	10	85	90	88	100	5	65	82	88	88
12B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
12C	SC 1084	4.00 E	.250 LB/AC	MP												
12D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
13A	BENTAZON	4.00 E	.750 LB/AC	MP	88	90	12	88	90	92	98	2	70	80	90	88
13B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
13C	HOE 33171	1.00 EC	.150 LB/AC	MP												
13D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
14A	BENTAZON	4.00 E	.750 LB/AC	MP	88	88	5	88	85	88	100	5	80	85	85	85
14B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP												
14C	CLOPROXYDIM	4.00 E	.250 LB/AC	MP												
14D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP												
15A	BENTAZON	4.00 E	.750 LB/AC	MP	40	92	2	40	90	95	98	5	48	90	90	90
15B	IMAZAQUIN	1.50 AS	.125 LB/AC	MP												
15C	SETHOXYDIM	1.53 EC	.200 LB/AC	MP												
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
16	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
LSD(05):					12	12	5	12	9	12	16	5	15	10	11	15

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%
 DATE PLANTED: MAY 20 DATE TREATED: MP JUNE 8
 VARIETY: WILLIAMS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5032 NO-TILL EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLICATION			-----8 WEEKS ---				
					GRAS	BRLE	CRIN	GIFT	PRLE	CRIN	GIFT	PRLE
1	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	95	72	0	95	72	0	95	55
2A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	95	72	0	95	72	0	95	58
2B	EL 107	80.00 WP	.040 LB/AC	EPP								
3A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	98	70	0	98	70	0	90	50
3B	EL 107	80.00 WP	.060 LB/AC	EPP								
4A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	90	80	0	90	80	0	90	72
4B	2,4-D AMINE	4.00 E	.750 LB/AC	EPP								
5A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	95	78	0	95	78	0	95	80
5B	EL 107	80.00 WP	.040 LB/AC	EPP								
5C	2,4 D AMINE	4.00 E	.750 LB/AC	EPP								
6A	ORYZALIN	4.00 AS	1.500 LB/AC	EPP	98	85	0	98	85	0	95	78
6B	EL 107	80.00 WP	.060 LB/AC	EPP								
6C	2,4 D AMINE	4.00 E	.750 LB/AC	EPP								
7A	ORYZALIN	4.00 AS	1.000 LB/AC	EPP	100	88	0	100	88	0	100	85
7B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP								
7C	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
8A	ORYZALIN	4.00 AS	1.000 LB/AC	EPP	100	72	0	100	72	0	100	60
8B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP								
8C	ORYZALIN	4.00 AS	.500 LB/AC	PRE								
8D	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	EPP	100	75	0	100	75	0	100	72
9B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP								
9C	ALACHLOR	4.00 MT	1.250 LB/AC	PRE								
9D	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
10A	METOLACHLOR	8.00 E	1.750 LB/AC	EPP	100	75	0	100	75	0	100	52
10B	METRIBUZIN 1	4.00 F	.500 LB/AC	EPP								
10C	METOLACHLOR	8.00 E	.750 LB/AC	PRE								
10D	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE								
LSD(05):					NS	8	0	NS	8	NS	8	0

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5032 NO-TILL EARLY PREPLANT SOYBEANS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 2.5%
DATE PLANTED: MAY 20 DATE TREATED: EPP APRIL 23
VARIETY: WILLIAMS EPP MAY 13
PRE MAY 20

TREATMENTS 7-10 EPP = 14 DAYS PRIOR TO PLANTING
TREATMENTS 7-10 - ROUNDUP IF NECESSARY

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5030 REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION-----							
					GRAS	BRLE	CRIN	GIFT	VELE	BLNS	ILMG	PRSI
1A	METOLACHLOR	8.00 E	1.650 LB/AC	EPP	100	18	0	100	92	100	58	80
1B	METOLACHLOR	8.00 E	.900 LB/AC	PRE								
2A	CYANAZINE	4.00 L	2.500 LB/AC	EPP	100	55	0	100	92	92	85	88
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP								
2C	DOWCO 453	2.00 E	.130 LB/AC	MP								
2D	BENTAZON	4.00 E	1.000 LB/AC	MP								
2E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
3A	CYANAZINE	4.00 L	2.500 LB/AC	EPP	98	90	2	98	98	100	100	92
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP								
3C	DOWCO 453	2.00 E	.130 LB/AC	MP								
3D	BENTAZON	4.00 E	.500 LB/AC	MP								
3E	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
3F	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
4A	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE	100	85	2	100	98	92	95	100
4B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE								
4C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
4D	DOWCO 453	2.00 E	.130 LB/AC	MP								
4E	BENTAZON	4.00 E	.500 LB/AC	MP								
4F	ACIFLUORFEN	2.00 L	.500 LB/AC	MP								
4G	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
5A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	98	75	0	98	85	78	92	95
5B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
6A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	98	80	0	98	88	88	90	88
6B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	78	0	95	82	98	88	98
7B	LINURON	4.00 L	1.000 LB/AC	PRE								
7C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
8A	DOWCO 453	2.00 E	.130 LB/AC	PRE	98	70	0	98	88	100	85	92
8B	LINURON	4.00 L	1.000 LB/AC	PRE								
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
9A	DOWCO 453	2.00 E	.250 LB/AC	PRE	98	62	0	98	82	98	75	85
9B	LINURON	4.00 L	1.000 LB/AC	PRE								
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5030 REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----							
					GRAS	BRLE	CRIN	GIFT	VELE	BLNS	ILMG	PRSI
10A	METRIBUZIN 1	4.00 F	.500	LB/AC PRE	100	75	0	100	92	85	82	92
10B	PARAQUAT PLUS	2.00 E	.250	LB/AC PRE								
10C	X-77 (SURFACTANT)	.50 WA	.250	% PRE								
10D	DOWCO 453	2.00 E	.130	LB/AC MP								
10E	BENTAZON	4.00 E	1.000	LB/AC MP								
10F	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP								

LSD(05): 5 16 NS 5 NS 12 7 8

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.4 O.M.: 2.5%
 DATE PLANTED: MAY 20 DATE TREATED: EPP APRIL 23
 VARIETY: WILLIAMS PPI MAY 20
 PRE MAY 20
 MP JUNE 24

TREATMENT 5 = PREPLANT INCORPORATED 14 DAYS BEFORE PLANTING

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5055 REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	VELE	BLNS	ILMG	PRSI
1A	METOLACHLOR	8.00 E	1.650 LB/AC	EPP	0	98	88	88	45	75
1B	METOLACHLOR	8.00 E	.900 LB/AC	PRE						
2A	CYANAZINE	4.00 L	2.500 LB/AC	EPP	0	98	88	78	72	72
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP						
2C	DOWCO 453	2.00 E	.130 LB/AC	MP						
2D	BENTAZON	4.00 E	1.000 LB/AC	MP						
2E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
3A	CYANAZINE	4.00 L	2.500 LB/AC	EPP	0	95	90	80	85	78
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP						
3C	DOWCO 453	2.00 E	.130 LB/AC	MP						
3D	BENTAZON	4.00 E	.500 LB/AC	MP						
3E	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
3F	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
4A	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE	0	100	92	82	82	78
4B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE						
4C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
4D	DOWCO 453	2.00 E	.130 LB/AC	MP						
4E	BENTAZON	4.00 E	.500 LB/AC	MP						
4F	ACIFLUORFEN	2.00 L	.500 LB/AC	MP						
4G	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
5A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	98	80	65	78	80
5B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI						
6A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	95	82	75	75	85
6B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	78	82	78	80
7B	LINURON	4.00 L	1.000 LB/AC	PRE						
7C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE						
8A	DOWCO 453	2.00 E	.130 LB/AC	PRE	0	95	85	82	82	75
8B	LINURON	4.00 L	1.000 LB/AC	PRE						
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE						
9A	DOWCO 453	2.00 E	.250 LB/AC	PRE	0	95	80	88	68	65
9B	LINURON	4.00 L	1.000 LB/AC	PRE						
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE						

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TABLE S5055 REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLICATION ---					
					CRIN	GIFT	VELE	BLNS	ILMG	PRSI
10A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	98	82	75	80	75
10B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE						
10C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
10D	DOWCO 453	2.00 E	.130 LB/AC	MP						
10E	BENTAZON	4.00 E	1.000 LB/AC	MP						
10F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						

LSD(05): 0 6 13 14 14 13

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.4 O.M.: 2.5%
 DATE PLANTED: MAY 20 DATE TREATED: EPP APRIL 23
 VARIETY: WILLIAMS PPI MAY 20
 PRE MAY 20
 MP

TREATMENT 5 = PREPLANT INCORPORATED 14 DAYS BEFORE PLANTING

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION ---					--8 WEEKS AFTER APPLI				
					GRAS	BRLE	CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	65	40	0	65	32	75	8	42	28	50
1B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
1C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	32	0	85	30	75	5	70	10	62
2B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE										
2C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	55	35	0	58	20	75	12	32	22	62
3B	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE										
3C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	72	25	0	78	15	20	10	40	30	18
4B	PPG-844	2.00 E	.250 LB/AC	PRE										
4C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	20	0	70	15	32	8	30	20	32
5B	PPG-844	2.00 E	.500 LB/AC	PRE										
5C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	50	0	90	48	82	2	60	22	58
6B	PPG-844	2.00 E	.250 LB/AC	PRE										
6C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE										
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	25	0	90	45	40	12	35	20	50
7B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
7C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
7D	PPG-844	2.00 E	.200 LB/AC	EP										
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	10	0	92	15	20	22	45	22	20
8B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
8C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
8D	PPG-844	2.00 E	.400 LB/AC	EP										
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	12	0	85	15	18	18	45	80	28
9B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
9C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
9D	PPG-844	2.00 E	.200 LB/AC	EP										
9E	BENAZOLIN	4.00 F	.250 LB/AC	EP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLICATION ---					--8 WEEKS AFTER APPLI				
					GRAS	BRLE	CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	78	20	0	80	15	25	20	50	28	35
10B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
10C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
10D	PPG-844	2.00 E	.200 LB/AC	EP										
10E	BENTAZON	4.00 E	.750 LB/AC	EP										
10F	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP										
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	65	40	0	65	38	62	8	35	45	52
11B	PPG 1013	.25 EC	.200 LB/AC	PRE										
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	65	0	90	65	88	0	68	15	62
12B	PPG 1013	.25 EC	.200 LB/AC	PRE										
12C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE										
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	68	18	0	62	18	25	8	42	30	22
13B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
13C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
13D	PPG 1013	.25 EC	.020 LB/AC	EP										
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	22	0	70	20	30	15	30	28	58
14B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
14D	PPG 1013	.25 EC	.020 LB/AC	EP										
14E	BENTAZON	4.00 E	.750 LB/AC	EP										
14F	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP										
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	68	0	98	68	88	2	82	35	58
15B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE										
15C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
16A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	88	88	0	88	85	100	0	60	42	82
16B	HOE 661	1.78 AS	.900 LB/AC	PRE										
17A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	92	0	95	90	100	0	72	60	85
17B	HOE 661	1.78 AS	1.000 LB/AC	PRE										
18A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	98	90	0	98	85	92	0	75	60	90
18B	HOE 661	1.78 AS	1.200 LB/AC	PRE										
19A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	62	15	0	70	15	35	15	28	25	40
19B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE										
19C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
19D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLICATION ---				--8 WEEKS AFTER APPLI					
					GRAS	BRLE	CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW
20A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	52	20	0	55	15	85	10	20	20	58
20B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE										
20C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
20D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
21A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	82	32	0	82	20	90	2	50	10	72
21B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE										
21C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
21D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
22A	LINURON	4.00 L	.750 LB/AC	PRE	98	98	0	98	100	100	0	88	98	78
22B	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE										
22C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
23A	LINURON	4.00 L	1.000 LB/AC	PRE	95	98	0	95	100	100	0	92	92	82
23B	HOE 39866	1.78 AS	.750 LB/AC	PRE										
23C	HOE 33171	1.00 EC	.150 LB/AC	30D										
24A	LINURON	4.00 L	1.000 LB/AC	PRE	92	98	0	92	100	98	0	98	95	100
24B	HOE 39866	1.78 AS	1.000 LB/AC	PRE										
24C	HOE 33171	1.00 EC	.150 LB/AC	30D										
25A	LINURON	4.00 L	1.000 LB/AC	PRE	98	100	0	98	100	100	0	95	100	98
25B	HOE 39866	1.78 AS	1.500 LB/AC	PRE										
25C	HOE 33171	1.00 EC	15.000 LB/AC	30D										
26A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	90	0	100	90	100	0	88	65	95
26B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE										
26C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE										
26D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
27A	FMC 57020	6.00 EC	1.250 LB/AC	PRE	98	88	0	98	90	98	0	80	62	82
27B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE										
27C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE										
27D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
28A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	88	92	0	85	92	98	0	38	65	88
28B	LINURON	4.00 L	.500 LB/AC	PRE										
28C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE										
28D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										
29A	FMC 57020	6.00 EC	1.250 LB/AC	PRE	92	90	0	92	92	95	0	72	78	92
29B	LINURON	4.00 L	.500 LB/AC	PRE										
29C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE										
29D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE										

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TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA		RATE	APPL METH	-----4 WEEKS AFTER APPLICATION ---					--8 WEEKS AFTER APPLI				
		GRAS	BRLE			CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW		
30A	FMC 57020	6.00	EC	1.000	LB/AC PRE	98	70	0	98	75	78	5	78	45	48
30B	PPG-844	2.00	E	.250	LB/AC PRE										
30C	PARAQUAT PLUS	2.00	E	.250	LB/AC PRE										
30D	X-77 (SURFACTANT)	.50	WA	.250	% PRE										
31A	FMC 57020	6.00	EC	1.000	LB/AC PRE	92	60	0	90	72	88	5	55	30	55
31B	CHLORAMBEN	75.00	DS	2.250	LB/AC PRE										
31C	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										
32A	FMC 57020	6.00	EC	1.000	LB/AC PRE	92	92	0	92	92	98	0	78	72	95
32B	IMAZAQUIN	1.50	AS	.188	LB/AC PRE										
32C	HOE 39866	1.78	AS	.500	LB/AC PRE										
33A	FMC 57020	6.00	EC	1.000	LB/AC PRE	100	90	0	100	90	98	0	90	80	88
33B	IMAZAQUIN	1.50	AS	.188	LB/AC PRE										
33C	HOE 39866	1.78	AS	.750	LB/AC PRE										
34A	SD 95481	7.00	EC	1.200	LB/AC PRE	80	10	0	85	10	20	22	62	25	20
34B	PARAQUAT PLUS	2.00	E	.250	LB/AC PRE										
34C	X-77 (SURFACTANT)	.50	WA	.250	% PRE										
35A	SD 95481	7.00	EC	1.400	LB/AC PRE	62	12	0	62	12	28	18	20	22	22
35B	PARAQUAT PLUS	2.00	E	.250	LB/AC PRE										
35C	X-77 (SURFACTANT)	.50	WA	.250	% PRE										
36A	SD 95481	7.00	EC	1.200	LB/AC PRE	98	80	0	98	90	85	2	90	50	72
36B	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										
37A	SD 95481	7.00	EC	1.400	LB/AC PRE	100	82	0	100	92	82	5	90	58	78
37B	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										
38A	SD 95481	7.00	EC	1.200	LB/AC PRE	98	90	0	98	85	95	0	92	58	88
38B	METRIBUZIN	75.00	DF	.500	LB/AC PRE										
38C	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										
39A	SD 95481	7.00	EC	1.400	LB/AC PRE	85	78	0	88	72	92	2	72	58	85
39B	METRIBUZIN	75.00	DF	.500	LB/AC PRE										
39C	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										
40A	SD 95481	7.00	EC	1.200	LB/AC PRE	100	90	0	100	98	88	0	85	82	82
40B	LINURON	4.00	L	1.000	LB/AC PRE										
40C	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										
41A	SD 95481	7.00	EC	1.400	LB/AC PRE	98	88	0	98	100	88	2	80	92	65
41B	LINURON	4.00	L	1.000	LB/AC PRE										
41C	GLYPHOSATE	4.00	E	1.000	LB/AC PRE										

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TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION ---					--8 WEEKS AFTER APPLI				
					GRAS	BRLE	CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW
42A	SD 95481	7.00 EC	1.200 LB/AC	PRE	100	88	0	100	88	85	5	92	90	98
42B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
42C	BENTAZON	4.00 E	1.000 LB/AC	MP										
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
43A	SD 95481	7.00 EC	1.400 LB/AC	PRE	98	78	0	98	90	75	0	88	88	92
43B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
43C	BENTAZON	4.00 E	1.000 LB/AC	MP										
43D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
44A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	85	45	0	85	95	30	15	82	95	58
44B	2,4-D AMINE	4.00 E	.500 LB/AC	PRE										
44C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
44D	SETHOXYDIM	1.53 EC	.200 LB/AC	MP										
44E	BENTAZON	4.00 E	.750 LB/AC	MP										
44F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
45A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	48	62	0	45	100	62	18	48	85	40
45B	2,4-D AMINE	4.00 E	.500 LB/AC	PRE										
45C	CHLORPROPHAM	4.00 E	.500 LB/AC	PRE										
45D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
45E	SETHOXYDIM	1.53 EC	.200 LB/AC	MP										
45F	BENTAZON	4.00 E	.750 LB/AC	MP										
45G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
46A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	40	82	0	40	98	82	2	78	100	100
46B	2,4-D AMINE	4.00 E	.500 LB/AC	PRE										
46C	METRIBUZIN	75.00 DF	.250 LB/AC	PRE										
46D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
46E	SETHOXYDIM	1.53 EC	.200 LB/AC	MP										
46F	BENTAZON	4.00 E	.750 LB/AC	MP										
46G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
47A	SETHOXYDIM	1.53 EC	.100 LB/AC	PRE	38	65	0	38	85	55	12	78	78	68
47B	2,4-D AMINE	4.00 E	.500 LB/AC	PRE										
47C	LINURON	4.00 L	.500 LB/AC	PRE										
47D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
47E	SETHOXYDIM	1.53 EC	.200 LB/AC	MP										
47F	BENTAZON	4.00 E	.750 LB/AC	MP										
47G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
48A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	80	62	0	80	70	58	5	72	42	90
48B	AC 499	1.95 AS	.063 LB/AC	MP										
49A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	88	0	95	85	90	2	92	70	92
49B	AC 499	1.95 AS	.093 LB/AC	MP										

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TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION ---						--8 WEEKS AFTER APPLI			
					GRAS	BRLE	CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW
50A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	85	65	0	85	68	70	10	92	50	92
50B	AC 499	1.95 AS	.125 LB/AC	MP										
51A	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	58	62	0	50	92	55	0	10	88	18
51B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
52A	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	82	68	0	80	92	48	0	18	80	10
52B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
53A	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	92	80	0	92	92	60	0	68	90	10
53B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
53C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
53D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
54A	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	82	90	0	88	100	75	5	65	80	58
54B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
54C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
54D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
55A	AC 499	1.95 AS	.063 LB/AC	PRE	68	40	0	70	32	70	8	50	32	40
55B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
55C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
56A	AC 499	1.95 AS	.093 LB/AC	PRE	92	12	0	92	10	65	8	75	15	40
56B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
56C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
57A	AC 499	1.95 AS	.125 LB/AC	PRE	95	15	0	95	10	55	12	70	15	50
57B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
57C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
58A	HOE 39866	1.78 AS	.750 LB/AC	PRE	78	85	0	75	82	92	0	90	70	95
58B	HOE 33171	1.00 EC	.200 LB/AC	30D										
58C	BENTAZON	4.00 E	.500 LB/AC	30D										
58D	ACIFLUORFEN	2.00 L	.250 LB/AC	30D										
58E	OIL CONCENTRATE	.00 AD	.500 QT/AC	30D										
59A	RE 39571	3.00 E	1.500 LB/AC	PRE	85	50	0	85	45	50	2	58	15	30
59B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE										
59C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
59D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
60A	RE 39571	3.00 E	2.000 LB/AC	PRE	92	48	0	92	45	90	2	90	25	50
60B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE										
60C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
60D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										

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TABLE S5016 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION ---					--8 WEEKS AFTER APPLI				
					GRAS	BRLE	CRIN	GIFT	COLQ	PESW	CRIN	GIFT	COLQ	PESW
61A	RE 39571	3.00 E	3.000 LB/AC	PRE	88	72	0	88	68	75	2	68	25	35
61B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE										
61C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
61D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
62A	SC 5676	4.00 E	1.500 LB/AC	PRE	80	15	0	82	20	30	15	45	32	18
62B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE										
62C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
LSD(05):					24	21	0	24	21	23	7	34	25	26

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

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.5%
 DATE TREATED: PRE JUNE 26
 EP JULY 24
 MP JULY 24
 30D JULY 24

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TABLE S5037 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 22-----											
					GRAS	BRLE	CRIN	GIFT	LACG	SMCG	COLQ	BLNS	ILMG	PRSI	PRLE	BLLE
1A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	92	70	0	98	95	100	75	58	60	65	80	90
1B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
1C	ALACHLOR	4.00 MT	2.000 LB/AC	PRE												
1D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	88	65	0	95	92	92	72	58	62	65	80	88
2B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
2C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE												
2D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
3A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	78	0	98	98	90	85	72	55	68	82	90
3B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
3C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE												
3D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	75	70	0	95	98	78	80	68	60	68	78	88
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
4C	ALACHLOR	4.00 E	2.500 LB/AC	PRE												
4D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
5A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	88	68	0	92	92	88	75	62	72	60	78	88
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
5C	ALACHLOR	4.00 E	3.000 LB/AC	PRE												
5D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	92	68	0	98	98	95	70	48	58	70	75	78
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
6C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE												
6D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
7A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	65	0	100	100	90	78	62	58	48	80	85
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP												
7C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE												
7D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	30	0	95	98	88	95	90	72	85	35	62
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
8C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE												
8D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	92	50	0	95	95	98	82	75	60	70	65	60
9B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
9C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE												
9D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5037 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 22-----											
					GRAS	BRLE	CRIN	GIFT	LACG	SMCG	COLQ	BLNS	ILMG	PRSI	PRLE	BLLE
10A	ALACHLOR	4.00 MT	.500 LB/AC	PRE	85	45	8	88	95	90	82	68	72	70	62	78
10B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
10C	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE												
10D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												
10E	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	PRE												
11A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	100	30	10	100	100	100	100	95	92	90	30	62
11B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE												
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	98	48	5	100	98	100	98	92	85	90	48	80
12B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE												
12C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
13A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	92	30	10	95	98	92	95	98	92	98	42	85
13B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE												
13C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
14A	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE	95	58	5	100	100	95	100	65	95	88	62	80
14B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE												
14C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												
15A	SD 95481	7.00 EC	.800 LB/AC	PRE	90	58	2	95	90	95	75	52	50	65	68	75
15B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE												
15C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE												
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												
16A	DPX F6025	25.00 DF	.100 LB/AC	PRE	92	75	8	100	100	90	100	68	92	88	75	92
16B	METRIBUZIN	75.00 DF	.400 LB/AC	PRE												
16C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE												
16D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												
17A	AC 499	1.95 AS	.090 LB/AC	PRE	70	60	0	100	95	68	100	92	72	85	58	62
17B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE												
17C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE												
18A	AC 499	1.95 AS	.063 LB/AC	PRE	80	40	0	100	100	78	100	98	88	90	25	52
18B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
19A	AC 499	1.95 AS	.093 LB/AC	PRE	85	25	0	100	100	80	100	95	78	92	28	58
19B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
19C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												

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TABLE S5037 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 22-----											
					GRAS	BRLE	CRIN	GIFT	LACG	SMCG	COLQ	BLNS	ILMG	PRSI	PRLE	BLLE
20A	AC 499	1.95 AS	.125 LB/AC	PRE	80	38	2	98	100	78	100	100	90	90	38	50
20B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE												
20C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
LSD(05):					16	22	6	7	10	19	15	15	22	11	14	21

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 20
 VARIETY: WILLIAMS
 TREATMENTS 1-7 ARE 10 GPA
 TREATMENTS 8-20 ARE 25 GPA

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.0%
 DATE TREATED: SDP MAY 13
 PRE MAY 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5057 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 22-----										
					CRIN	GIFT	LACG	SMCG	COLQ	BLNS	ILMG	PRSI	PRLE	BLLE	MRTL
1A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	88	88	95	65	58	42	65	68	80	92
1B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
1C	ALACHLOR	4.00 MT	2.000 LB/AC	PRE											
1D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	88	90	82	68	52	52	50	70	80	92
2B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
2C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE											
2D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
3A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	85	82	78	70	52	45	58	72	88	95
3B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
3C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE											
3D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	80	85	58	70	55	50	55	65	85	100
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
4C	ALACHLOR	4.00 E	2.500 LB/AC	PRE											
4D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
5A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	88	85	72	72	58	48	58	72	82	95
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
5C	ALACHLOR	4.00 E	3.000 LB/AC	PRE											
5D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	80	85	78	75	48	35	65	65	78	92
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
6C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
6D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
7A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	82	92	88	75	62	40	55	65	80	98
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
7C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE											
7D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	82	95	80	100	88	70	82	32	72	75
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
8C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
8D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	88	92	90	78	72	55	70	52	65	82
9B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
9C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
9D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											

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TABLE S5057 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 22-----										
					CRIN	GIFT	LACG	SMCG	COLQ	BLNS	ILMG	PRSI	PRLE	BLLE	MRTL
10A	ALACHLOR	4.00 MT	.500 LB/AC	PRE	0	88	85	82	88	75	55	62	52	60	88
10B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
10C	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE											
10D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
10E	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	PRE											
11A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	10	95	98	92	100	78	90	85	38	60	45
11B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE											
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	8	98	98	98	100	98	82	85	38	72	42
12B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE											
12C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
13A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	12	98	98	90	100	98	82	90	38	82	32
13B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE											
13C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
14A	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE	8	95	95	80	100	45	85	72	55	70	90
14B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
14C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
15A	SD 95481	7.00 EC	.800 LB/AC	PRE	0	88	85	78	55	58	48	55	60	80	92
15B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
15C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
16A	DPX F6025	25.00 DF	.100 LB/AC	PRE	12	95	88	65	100	35	72	72	60	65	78
16B	METRIBUZIN	75.00 DF	.400 LB/AC	PRE											
16C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
16D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
17A	AC 499	1.95 AS	.090 LB/AC	PRE	2	100	92	55	92	92	72	80	50	68	68
17B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
17C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
18A	AC 499	1.95 AS	.063 LB/AC	PRE	0	98	95	75	100	98	85	85	25	65	52
18B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
19A	AC 499	1.95 AS	.093 LB/AC	PRE	0	98	98	78	100	85	68	85	28	62	50
19B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
19C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											

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TABLE S5057 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 22-----										
					CRIN	GIFT	LACG	SMCG	COLQ	BLNS	ILMG	PRSI	PRLE	BLLE	MRTL
20A	AC 499	1.95 AS	.125 LB/AC	PRE	2	98	98	75	100	98	80	88	38	50	40
20B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
20C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
LSD(05):					5	12	11	19	15	19	22	13	16	21	19

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: MAY 20 PH: 6.5 O.M.: 3.0%
 VARIETY: WILLIAMS DATE TREATED: SDP MAY 13
 TREATMENTS 1-7 ARE 10 GPA PRE MAY 20
 TREATMENTS 8-20 ARE 25 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5036 FULL SEASON NO-TILL SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 9-----										
					GRAS	BRLE	CRIN	GIFT	LACG	RRPW	ILMG	PRSI	HHCL	MRTL	PRLE
1A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	80	2	98	90	75	72	85	78	100	95
1B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
1C	ALACHLOR	4.00 MT	2.000 LB/AC	PRE											
1D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	98	78	0	98	100	90	50	90	85	100	98
2B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
2C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE											
2D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
3A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	98	88	0	98	100	100	58	85	90	100	100
3B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
3C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE											
3D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	92	80	2	98	92	72	70	82	75	100	100
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
4C	ALACHLOR	4.00 E	2.500 LB/AC	PRE											
4D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
5A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	88	72	2	85	95	80	45	72	68	100	92
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
5C	ALACHLOR	4.00 E	3.000 LB/AC	PRE											
5D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	95	78	0	100	95	82	58	88	72	100	100
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
6C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
6D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
7A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	98	70	0	98	98	50	45	70	85	100	95
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP											
7C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE											
7D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	68	0	90	90	90	40	88	92	82	78
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
8C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
8D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	88	65	0	90	85	72	52	82	70	78	55
9B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
9C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
9D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5036 FULL SEASON NO-TILL SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 9-----										
					GRAS	BRLE	CRIN	GIFT	LACG	RRPW	ILMG	PRSI	HHCL	MRTL	PRLE
10A	ALACHLOR	4.00 MT	.500 LB/AC	PRE	90	75	5	95	88	90	50	80	78	90	95
10B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
10C	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE											
10D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
10E	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	PRE											
11A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	85	68	12	90	82	98	55	85	85	38	35
11B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE											
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	90	78	10	98	90	100	75	62	85	55	50
12B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE											
12C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
13A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	95	75	8	98	92	100	70	98	90	48	42
13B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE											
13C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
14A	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE	95	88	12	100	92	100	88	90	100	88	85
14B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
14C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
15A	SD 95481	7.00 EC	.800 LB/AC	PRE	88	62	0	90	88	45	42	75	78	75	60
15B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
15C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
16A	DPX F6025	25.00 DF	.100 LB/AC	PRE	90	85	10	98	82	100	90	98	100	92	65
16B	METRIBUZIN	75.00 DF	.400 LB/AC	PRE											
16C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
16D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
17A	AC 499	1.95 AS	.090 LB/AC	PRE	90	78	2	95	95	100	82	85	75	85	65
17B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE											
17C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE											
18A	AC 499	1.95 AS	.063 LB/AC	PRE	90	72	2	98	88	98	70	72	75	45	60
18B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
19A	AC 499	1.95 AS	.093 LB/AC	PRE	85	78	2	100	72	100	82	88	72	52	78
19B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
19C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											

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TABLE S5036 FULL SEASON NO-TILL SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 9-----										
					GRAS	BRLE	CRIN	GIFT	LACG	RRPW	ILMG	PRSI	HHCL	MRTL	PRLE
20A	AC 499	1.95 AS	.125 LB/AC	PRE	92	68	8	88	100	100	72	85	95	40	45
20B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE											
20C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
LSD(05):					NS	10	8	NS	16	24	21	21	21	16	23

LOCATION: SPINDLETOP FARM

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

DATE PLANTED: JUNE 6

VARIETY: WILLIAMS

TREATMENTS 1-7 ARE 10 GPA

TREATMENTS 8-20 ARE 25 GPA

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.5%
 DATE TREATED: SDP MAY 29
 PRE JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5056 FULL SEASON NO-TILL SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUGUST 5-----						
					CRIN	GIFT	RRPW	ILMG	HHCL	PRLE	MRTL
1A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	92	70	42	45	95	100
1B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
1C	ALACHLOR	4.00 MT	2.000 LB/AC	PRE							
1D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	100	90	28	72	90	100
2B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
2C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE							
2D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
3A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	95	92	35	78	100	100
3B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
3C	ALACHLOR	4.00 MT	3.000 LB/AC	PRE							
3D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	90	68	55	65	100	100
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
4C	ALACHLOR	4.00 E	2.500 LB/AC	PRE							
4D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
5A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	2	90	65	20	52	100	100
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
5C	ALACHLOR	4.00 E	3.000 LB/AC	PRE							
5D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	100	75	55	50	90	100
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
6C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
6D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
7A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	0	100	50	28	45	92	100
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP							
7C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE							
7D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	92	78	32	78	80	52
8B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
8C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE							
8D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
9A	ALACHLOR	4.00 E	2.500 LB/AC	PRE	0	90	70	42	62	28	55
9B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
9C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE							
9D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5056 FULL SEASON NO-TILL SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUGUST 5-----						
					CRIN	GIFT	RRPW	ILMG	HHCL	PRLE	MRTL
10A	ALACHLOR	4.00 MT	.500 LB/AC	PRE	2	98	90	40	52	95	98
10B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
10C	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE							
10D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
10E	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	PRE							
11A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	12	92	100	58	72	28	22
11B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE							
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	10	98	100	65	55	22	30
12B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE							
12C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
13A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	18	100	100	58	75	18	15
13B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE							
13C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
14A	DPX F6025 + METRIBUZ	75.00 DF	.500 LB/AC	PRE	12	98	100	80	92	78	80
14B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE							
14C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
15A	SD 95481	7.00 EC	.800 LB/AC	PRE	0	90	65	40	68	38	68
15B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
15C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE							
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
16A	DPX F6025	25.00 DF	.100 LB/AC	PRE	15	95	100	88	100	58	80
16B	METRIBUZIN	75.00 DF	.400 LB/AC	PRE							
16C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE							
16D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
17A	AC 499	1.95 AS	.090 LB/AC	PRE	0	98	100	65	42	55	75
17B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE							
17C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
18A	AC 499	1.95 AS	.063 LB/AC	PRE	0	95	100	70	55	30	20
18B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
19A	AC 499	1.95 AS	.093 LB/AC	PRE	0	98	100	82	58	45	20
19B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
19C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

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DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5056 FULL SEASON NO-TILL SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----AUGUST 5-----						
					CRIN	GIFT	RRPW	ILMG	HHCL	PRLE	MRTL
20A	AC 499	1.95 AS	.125 LB/AC	PRE	8	95	100	68	70	20	18
20B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE							
20C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
LSD(05):					7	NS	29	26	28	27	22

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: JUNE 6 PH: 6.5 O.M.: 3.5%
 VARIETY: WILLIAMS DATE TREATED: SDP MAY 29
 TREATMENTS 1-7 ARE 10 GPA PRE JUNE 6
 TREATMENTS 8-20 ARE 25 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5020 SOYBEAN BLACKNIGHTSHADE PREEMERGENCE & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLICATION					---8 WEEK	
					GRAS	BRLE	CRIN	COLQ	BLNS	CRIN	BLNS
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	3	100	100	0	67
2	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	100	90	0	100	100	0	77
3	ALACHLOR	4.00 MT	4.000 LB/AC	PRE	100	90	0	100	100	0	83
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	97	7	100	100	0	97
4B	LINURON	4.00 L	1.000 LB/AC	PRE							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	10	100	100	10	93
5B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP							
5C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP							
6A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	97	13	100	100	3	83
6B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
7A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	100	13	100	100	0	90
7B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE							
8	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	100	90	0	93	100	0	73
9	METOLACHLOR	8.00 E	3.000 LB/AC	PRE	100	90	0	97	100	0	80
10	METOLACHLOR	8.00 E	4.000 LB/AC	PRE	100	93	0	100	100	0	87
11	FMC 57020	6.00 EC	1.000 LB/AC	PRE	97	93	0	100	100	0	57
12A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	100	97	0	97	100	0	93
12B	LINURON	4.00 L	.500 LB/AC	PRE							
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	87	0	90	100	7	97
13B	DPX F6025	25.00 DF	.016 LB/AC	MP							
13C	X-77 (SURFACTANT)	.50 WA	.250 %	MP							
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	0	97	100	7	100
14B	AC 499	1.95 AS	.032 LB/AC	LP							
15	AC 499	1.95 AS	.063 LB/AC	EP	90	80	0	80	90	7	67
16	AC 499	1.95 AS	.093 LB/AC	EP	90	80	0	83	93	3	80
17	AC 499	1.95 AS	.125 LB/AC	EP	90	80	0	83	97	10	73
18	AC 499	1.95 AS	.093 LB/AC	PRE	100	93	7	100	100	10	57

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TABLE S5020 SOYBEAN BLACKNIGHTSHADE PREEMERGENCE & POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPLICATION					---8 WEEK	
					GRAS	BRLE	CRIN	COLQ	BLNS	CRIN	BLNS
19	AC 499	1.95 AS	.125 LB/AC	PRE	100	100	10	100	100	10	70
20	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	0	100
LSD(05):					4	6	5	5	3	5	10

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 14
 VARIETY: WILLIAMS
 SOIL TYPE: MAURY SILT LOAM
 PH: 6.7 O.M.: 3.4%
 DATE TREATED: PRE MAY 14
 EP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5021 SOYBEAN BLACKNIGHTSHADE PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----					---JULY 1---	
					GRAS	BRLE	CRIN	COLQ	BLNS	CRIN	BLNS
1	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	83	83	0	83	90	3	67
2	ALACHLOR	4.00 MT	3.000 LB/AC	PPI	90	83	0	90	93	0	73
3	ALACHLOR	4.00 MT	4.000 LB/AC	PPI	93	87	0	97	100	0	77
4	ALACHLOR	4.00 E	2.500 LB/AC	PPI	87	90	0	90	97	0	63
5	ALACHLOR	4.00 E	3.000 LB/AC	PPI	93	90	0	93	100	0	73
6	ALACHLOR	4.00 E	4.000 LB/AC	PPI	90	90	0	93	100	0	80
7	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	100	87	0	87	87	0	70
8	METOLACHLOR	8.00 E	3.000 LB/AC	PPI	97	90	0	93	97	0	77
9	METOLACHLOR	8.00 E	4.000 LB/AC	PPI	97	90	10	93	97	10	80
10	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	93	90	7	90	100	3	80
11A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	90	90	3	97	93	0	87
11B	EL 107	80.00 WP	.044 LB/AC	PPI							
12A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	97	87	7	97	100	7	97
12B	EL 107	80.00 WP	.066 LB/AC	PPI							
13A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	100	100	10	100	100	10	100
13B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI							
14A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	100	100	10	100	100	10	100
14B	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI							
15	PRODIAMINE	4.00 F	.670 LB/AC	PPI	93	90	0	100	100	0	93
16	AC 499	1.95 AS	.063 LB/AC	PPI	97	93	7	100	100	10	93
17	AC 499	1.95 AS	.125 LB/AC	PPI	100	100	7	100	100	10	93
18	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	0	100
			LSD (05):		6	6	5	7	7	6	7

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5021 SOYBEAN BLACKNIGHTSHADE PREPLANT INCORPORATED

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.7 O.M.: 3.4%
DATE PLANTED: MAY 14 DATE TREATED: PPI MAY 14
VARIETY: WILLIAMS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5045 FULL SEASON NO-TILL SOYBEAN JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLICAT				---8 WEEK	
					GRAS	BRLE	CRIN	JOGR	CRIN	JOGR
1	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	75	80	0	65	0	52
2A	ORYZALIN	4.00 AS	1.000 LB/AC	PRE	92	92	0	92	0	82
2B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
3	ORYZALIN	4.00 AS	1.500 LB/AC	PRE	80	88	0	75	0	58
4A	ORYZALIN	4.00 AS	1.500 LB/AC	PRE	98	90	0	95	0	82
4B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
5	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	80	72	0	58	0	40
6A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	88	90	0	88	0	68
6B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
7	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	80	70	0	62	0	45
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	0	95	0	78
8B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
9	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	80	72	0	70	0	62
10A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	95	90	0	95	0	88
10B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
11	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	88	80	0	78	0	65
12A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	98	95	0	98	0	88
12B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
13	AC 499	1.95 AS	.063 LB/AC	PRE	90	82	0	88	0	70
14A	AC 499	1.95 AS	.063 LB/AC	PRE	100	95	0	98	0	90
14B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
15	AC 499	1.95 AS	.125 LB/AC	PRE	90	80	8	88	0	78
16A	AC 499	1.95 AS	.125 LB/AC	PRE	98	95	8	98	0	90
16B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
17	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	85	80	0	80	0	62
18A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	100	95	0	100	0	85
18B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						

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TABLE S5045 FULL SEASON NO-TILL SOYBEAN JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLICAT				---8 WEEK	
					GRAS	BRLE	CRIN	JOGR	CRIN	JOGR
19	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE	90	80	10	90	0	70
20A	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE	100	95	8	100	0	85
20B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE						
21	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	POE	100	95	0	100	0	82
22	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0
23	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	0	100
LSD(05):					5	5	2	6	0	6

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM
 DATE PLANTED: MAY 21 DATE TREATED: PRE MAY 21 PH: 6.7 O.M.: 3.5%
 VARIETY: WILLIAMS POE JUNE 11

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TABLE S5115 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK CRIN	GRAS	---8 WEEK CRIN	GRAS
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	0	63
1B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE				
1C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	0	67
2B	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE				
2C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	0	63
3B	IMAZAQUIN	1.50 AS	.250 LB/AC	PRE				
3C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	77	0	63
4B	PPG-844	2.00 E	.250 LB/AC	PRE				
4C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	0	70
5B	PPG-844	2.00 E	.500 LB/AC	PRE				
5C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	0	60
6B	PPG-844	2.00 E	.250 LB/AC	PRE				
6C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE				
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	83	7	63
7B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
7C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
7D	PPG-844	2.00 E	.200 LB/AC	EP				
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	87	7	70
8B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
8C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
8D	PPG-844	2.00 E	.400 LB/AC	EP				
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	7	63
9B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
9C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
9D	PPG-844	2.00 E	.200 LB/AC	EP				
9E	BENAZOLIN	4.00 F	.250 LB/AC	EP				

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TABLE S5115 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK		---8 WEEK	
					CRIN	GRAS	CRIN	GRAS
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	77	7	70
10B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
10C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
10D	PPG-844	2.00 E	.200 LB/AC	EP				
10E	BENTAZON	4.00 E	.750 LB/AC	EP				
10F	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP				
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	0	67
11B	PPG 1013	.25 EC	.200 LB/AC	PRE				
11C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	0	70
12B	PPG 1013	.25 EC	.200 LB/AC	PRE				
12C	GLYPHOSATE	4.00 E	.500 LB/AC	PRE				
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	80	3	67
13B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
13C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
13D	PPG 1013	.25 EC	.020 LB/AC	EP				
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	87	7	73
14B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
14D	PPG 1013	.25 EC	.020 LB/AC	EP				
14E	BENTAZON	4.00 E	.750 LB/AC	EP				
14F	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP				
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	77	0	70
15B	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE				
15C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE				
16A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	83	0	67
16B	HOE 661	1.78 AS	.900 LB/AC	PRE				
17A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	93	0	70
17B	HOE 661	1.78 AS	1.000 LB/AC	PRE				
18A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	0	87	0	63
18B	HOE 661	1.78 AS	1.200 LB/AC	PRE				
19A	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	0	87	0	67
19B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE				
19C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
19D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				

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TABLE S5115 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK CRIN	WEEK GRAS	---8 WEEK CRIN	WEEK GRAS
20A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	80	0	57
20B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE				
20C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
20D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
21A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	0	83	0	63
21B	ORYZALIN	4.00 AS	1.000 LB/AC	PRE				
21C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
21D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
22A	LINURON	4.00 L	.750 LB/AC	PRE	0	77	0	63
22B	CHLORAMBEN	75.00 DS	1.800 LB/AC	PRE				
22C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE				
23A	LINURON	4.00 L	1.000 LB/AC	PRE	0	97	0	83
23B	HOE 39866	1.78 AS	.750 LB/AC	PRE				
23C	HOE 33171	1.00 EC	.150 LB/AC	30D				
24A	LINURON	4.00 L	1.000 LB/AC	PRE	0	97	0	73
24B	HOE 39866	1.78 AS	1.000 LB/AC	PRE				
24C	HOE 33171	1.00 EC	.150 LB/AC	30D				
25A	LINURON	4.00 L	1.000 LB/AC	PRE	0	97	0	80
25B	HOE 39866	1.78 AS	1.500 LB/AC	PRE				
25C	HOE 33171	1.00 EC	15.000 LB/AC	30D				
26A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	87	0	63
26B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE				
26C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE				
26D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE				
27A	FMC 57020	6.00 EC	1.250 LB/AC	PRE	0	93	0	77
27B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE				
27C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE				
27D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE				
28A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	0	90	0	63
28B	LINURON	4.00 L	.500 LB/AC	PRE				
28C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE				
28D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE				
29A	FMC 57020	6.00 EC	1.250 LB/AC	PRE	0	93	0	73
29B	LINURON	4.00 L	.500 LB/AC	PRE				
29C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE				
29D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE				

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TABLE S5115 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK CRIN	GRAS	---8 WEEK CRIN	GRAS
42A	SD 95481	7.00 EC	1.200	LB/AC PRE	0	87	0	87
42B	GLYPHOSATE	4.00 E	1.000	LB/AC PRE				
42C	BENTAZON	4.00 E	1.000	LB/AC MP				
42D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
43A	SD 95481	7.00 EC	1.400	LB/AC PRE	0	100	0	83
43B	GLYPHOSATE	4.00 E	1.000	LB/AC PRE				
43C	BENTAZON	4.00 E	1.000	LB/AC MP				
43D	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
44A	SETHOXYDIM	1.53 EC	.100	LB/AC PRE	0	70	0	60
44B	2,4-D AMINE	4.00 E	.500	LB/AC PRE				
44C	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE				
44D	SETHOXYDIM	1.53 EC	.200	LB/AC MP				
44E	BENTAZON	4.00 E	.750	LB/AC MP				
44F	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
45A	SETHOXYDIM	1.53 EC	.100	LB/AC PRE	0	77	0	70
45B	2,4-D AMINE	4.00 E	.500	LB/AC PRE				
45C	CHLORPROPHAM	4.00 E	.500	LB/AC PRE				
45D	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE				
45E	SETHOXYDIM	1.53 EC	.200	LB/AC MP				
45F	BENTAZON	4.00 E	.750	LB/AC MP				
45G	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
46A	SETHOXYDIM	1.53 EC	.100	LB/AC PRE	0	80	0	67
46B	2,4-D AMINE	4.00 E	.500	LB/AC PRE				
46C	METRIBUZIN	75.00 DF	.250	LB/AC PRE				
46D	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE				
46E	SETHOXYDIM	1.53 EC	.200	LB/AC MP				
46F	BENTAZON	4.00 E	.750	LB/AC MP				
46G	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
47A	SETHOXYDIM	1.53 EC	.100	LB/AC PRE	0	70	0	60
47B	2,4-D AMINE	4.00 E	.500	LB/AC PRE				
47C	LINURON	4.00 L	.500	LB/AC PRE				
47D	OIL CONCENTRATE	.00 AD	1.000	QT/AC PRE				
47E	SETHOXYDIM	1.53 EC	.200	LB/AC MP				
47F	BENTAZON	4.00 E	.750	LB/AC MP				
47G	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP				
48A	GLYPHOSATE	4.00 E	1.000	LB/AC PRE	0	87	0	87
48B	AC 499	1.95 AS	.063	LB/AC MP				
49A	GLYPHOSATE	4.00 E	1.000	LB/AC PRE	0	87	0	80
49B	AC 499	1.95 AS	.093	LB/AC MP				

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TABLE S5115 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK CRIN	GRAS	---8 WEEK CRIN	GRAS
50A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	93	0	90
50B	AC 499	1.95 AS	.125 LB/AC	MP				
51A	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	0	73	0	53
51B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE				
52A	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	3	87	0	70
52B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE				
53A	METHAZOLE	75.00 WP	2.000 LB/AC	PRE	0	97	0	90
53B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE				
53C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
53D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
54A	METHAZOLE	75.00 WP	4.000 LB/AC	PRE	0	97	0	90
54B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE				
54C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
54D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
55A	AC 499	1.95 AS	.063 LB/AC	PRE	0	83	0	70
55B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
55C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
56A	AC 499	1.95 AS	.093 LB/AC	PRE	0	77	0	67
56B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
56C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
57A	AC 499	1.95 AS	.125 LB/AC	PRE	0	90	0	70
57B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
57C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
58A	HOE 39866	1.78 AS	.750 LB/AC	PRE	7	90	10	70
58B	HOE 33171	1.00 EC	.200 LB/AC	30D				
58C	BENTAZON	4.00 E	.500 LB/AC	30D				
58D	ACIFLUORFEN	2.00 L	.250 LB/AC	30D				
58E	OIL CONCENTRATE	.00 AD	.500 QT/AC	30D				
59A	RE 39571	3.00 E	1.500 LB/AC	PRE	0	90	0	73
59B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE				
59C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
59D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
60A	RE 39571	3.00 E	2.000 LB/AC	PRE	0	90	0	73
60B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE				
60C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
60D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				

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TABLE S5115 NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK		---8 WEEK	
					CRIN	GRAS	CRIN	GRAS
61A	RE 39571	3.00 E	3.000 LB/AC	PRE	0	93	0	80
61B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE				
61C	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
61D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				
62A	SC 5676	4.00 E	1.500 LB/AC	PRE	0	80	0	63
62B	PARAQUAT PLUS	2.00 E	.250 LB/AC	PRE				
62C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE				

LSD(05): 3 12 3 15

LOCATION: PRINCETON
 FERTILIZATION (LB/AC):
 DATE PLANTED: JUNE 26
 VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM
 PH: 6.0 O.M.: 1.0%
 0 N, 0 P, 0 K
 DATE TREATED: PRE JUNE 26
 EP JULY 22
 MP JULY 26
 30D JULY 26

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TABLE S5102 SOYBEAN PREEMERGENCE & PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---JUNE 1		---JULY 3	
					CRIN	JOGR	CRIN	JOGR
1	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI	0	60	0	63
2	PENDIMETHALIN	4.00 E	3.000 LB/AC	PPI	0	67	0	60
3A	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	0	63	0	77
3B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI				
4A	IMAZAQUIN	1.50 AS	.250 LB/AC	PPI	0	67	0	80
4B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI				
5	AC 499	1.95 AS	.093 LB/AC	PPI	0	67	0	73
6	AC 499	1.95 AS	.125 LB/AC	PPI	0	70	0	80
7	AC 499	1.95 AS	.093 LB/AC	PRE	0	57	0	63
8	AC 499	1.95 AS	.125 LB/AC	PRE	0	60	0	60
9	AC 499	1.95 AS	.188 LB/AC	PRE	0	73	0	77
10A	AC 499	1.95 AS	.093 LB/AC	PPI	0	63	0	77
10B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI				
11A	AC 499	1.95 AS	.125 LB/AC	PPI	0	67	0	67
11B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI				
12A	AC 499	1.95 AS	.125 LB/AC	PPI	0	73	0	73
12B	ALACHLOR	4.00 MT	2.500 LB/AC	PPI				
13	CHECK (CULTIVATED)	.00 CK	.000		0	100	0	100
14	CHECK (CULTIVATED)	.00 CK	.000					

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LSD(05): 0 11 0 15

LOCATION: PRINCETON
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K SOIL TYPE: CRIDER SILT LOAM
 DATE PLANTED: MAY 9 PH: 6.5 O.M.: 1.5%
 VARIETY: ESSEX DATE TREATED: PPI MAY 9
 PRE MAY 9

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TABLE S5103 POSTEMERGENCE JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK JOGR	8 WK JOGR
1A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	97	93
1B	DOWCO 453	2.00 E	.060 LB/AC	16J		
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	16J		
2A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	97	100
2B	DOWCO 453	2.00 E	.130 LB/AC	16J		
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	16J		
3A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	93	97
3B	DOWCO 453	2.00 E	.150 LB/AC	16J		
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	16J		
4A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	100
4B	DOWCO 453	2.00 E	.190 LB/AC	16J		
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	16J		
5A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	90	93
5B	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	LP		
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
6A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	97	100
6B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	LP		
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
7A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	97	97
7B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	16J		
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	16J		
8A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	97	100
8B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	LP		
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
9A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	97
9B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	LP		
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
10A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	93	93
10B	FLUAZIFOP-BUYTL	1.00 E	.250 LB/AC	LP		
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
11A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	87	83
11B	HOE 33171	1.00 EC	.100 LB/AC	LP		
12A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	87	80
12B	CLOPROXYDIM	4.00 E	.250 LB/AC	LP		
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		

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TABLE S5103 POSTEMERGENCE JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK JOGR	8 WK JOGR
13A	BENTAZON	4.00 E	.750 LB/AC	MP	100	100
13B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
13C	DOWCO 453	2.00 E	.130 LB/AC	+4D		
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D		
14A	BENTAZON	4.00 E	.750 LB/AC	MP	97	97
14B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
14C	DOWCO 453	2.00 E	.190 LB/AC	+4D		
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D		
15A	BENTAZON	4.00 E	.750 LB/AC	MP	90	90
15B	2,4-DB	2.00 E	.030 LB/AC	MP		
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
15D	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	LP		
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
16A	BENTAZON	4.00 E	.750 LB/AC	MP	90	97
16B	2,4-DB	2.00 E	.030 LB/AC	MP		
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
16D	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	LP		
16E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
17A	BENTAZON	4.00 E	.750 LB/AC	MP	93	93
17B	2,4-DB	2.00 E	.030 LB/AC	MP		
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
17D	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	LP		
17E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
18A	BENTAZON	4.00 E	.750 LB/AC	MP	100	100
18B	2,4-DB	2.00 E	.030 LB/AC	MP		
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
18D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	LP		
18E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
19A	ACIFLUORFEN	2.00 L	.500 LB/AC	MP	97	93
19B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP		
19C	DOWCO 453	2.00 E	.130 LB/AC	+4D		
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D		
20A	ACIFLUORFEN	2.00 L	.500 LB/AC	MP	100	100
20B	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP		
20C	DOWCO 453	2.00 E	.190 LB/AC	+4D		
20D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+4D		
21A	Y 6202	.80 L	.060 LB/AC	20J	87	87
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	20J		

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TABLE S5103 POSTEMERGENCE JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK JOGR	8 WK JOGR
22A	Y 6202	.80 L	.090 LB/AC	20J	87	93
22B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	20J		
23A	Y 6202	.80 L	.120 LB/AC	20J	97	97
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	20J		
24A	Y 6202	.80 L	.030 LB/AC	17J	90	97
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	17J		
24C	Y 6202	.80 L	.030 LB/AC	8J		
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J		
25A	Y 6202	.80 L	.050 LB/AC	17J	90	97
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	17J		
25C	Y 6202	.80 L	.050 LB/AC	8J		
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J		
26A	Y 6202	.80 L	.060 LB/AC	17J	100	100
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	17J		
26C	Y 6202	.80 L	.060 LB/AC	8J		
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J		
27A	Y 6202	.80 L	.090 LB/AC	17J	90	90
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	17J		
27C	DPX F6025	25.00 DF	.008 LB/AC	+1D		
27D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D		
28A	Y 6202	.80 L	.120 LB/AC	17J	93	93
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	17J		
28C	DPX F6025	25.00 DF	.008 LB/AC	+1D		
28D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D		
29A	Y 6202	.80 L	.150 LB/AC	17J	97	90
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	17J		
29C	DPX F6025	25.00 DF	.008 LB/AC	+1D		
29D	X-77 (SURFACTANT)	.50 WA	.250 %	+1D		
30A	DPX F6025	25.00 DF	.008 LB/AC	-3D	80	73
30B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D		
30C	Y 6202	.80 L	.090 LB/AC	20J		
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	20J		
31A	DPX F6025	25.00 DF	.008 LB/AC	-3D	83	80
31B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D		
31C	Y 6202	.80 L	.120 LB/AC	20J		
31D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	20J		

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TABLE S5103 POSTEMERGENCE JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK JOGR	8 WK JOGR
32A	DPX F6025	25.00 DF	.008 LB/AC	-3D	83	77
32B	X-77 (SURFACTANT)	.50 WA	.250 %	-3D		
32C	Y 6202	.80 L	.150 LB/AC	20J		
32D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	20J		
33A	HOE 33171	1.00 EC	.150 LB/AC	LP	97	90
33B	BENTAZON	4.00 E	1.000 LB/AC	LP		
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
34A	AC 499	1.95 AS	.093 LB/AC	LLP	77	87
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP		
35A	AC 499	1.95 AS	.125 LB/AC	LLP	87	97
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP		
36A	BAS 517	1.67 E	.100 LB/AC	LP	90	93
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
37A	BAS 517	1.67 E	.200 LB/AC	LP	100	97
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
38A	BAS 517	1.67 E	.300 LB/AC	LP	93	100
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
39A	BAS 517	1.67 E	.400 LB/AC	LP	93	100
39B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
40A	BAS 517	1.67 E	.100 LB/AC	SEQ	87	100
40B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
40C	BAS 517	1.67 E	.100 LB/AC	SEQ		
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
41A	BAS 517	1.67 E	.200 LB/AC	SEQ	93	100
41B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
41C	BAS 517	1.67 E	.100 LB/AC	SEQ		
41D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
42A	BAS 517	1.67 E	.200 LB/AC	SEQ	87	100
42B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
42C	BAS 517	1.67 E	.200 LB/AC	SEQ		
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
43A	SC 1084	4.00 E	.250 LB/AC	LP	93	90
43B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		

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TABLE S5103 POSTEMERGENCE JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK JOGR	8 WK JOGR
44A	SC 1084	4.00 E	.380 LB/AC	LP	90	97
44B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
45A	SC 1084	4.00 E	.250 LB/AC	LP	90	93
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
45C	SC 1084	4.00 E	.250 LB/AC	14D		
45D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	14D		
46A	SC 1084	4.00 E	.250 LB/AC	LP	93	90
46B	BENTAZON	4.00 E	.750 LB/AC	LP		
46C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
47A	SC 1084	4.00 E	.250 LB/AC	LP	90	90
47B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
47C	BENTAZON	4.00 E	.750 LB/AC	SEQ		
47D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
48A	SC 1084	4.00 E	.380 LB/AC	LP	97	87
48B	BENTAZON	4.00 E	.750 LB/AC	LP		
48C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
49A	SC 1084	4.00 E	.380 LB/AC	LP	100	97
49B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
49C	BENTAZON	4.00 E	.750 LB/AC	SEQ		
49D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SEQ		
50	CHECK (CULTIVATED)	.00 CK	.000		100	100
LSD(05):					10	8

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LOCATION: PRINCETON
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 9
 VARIETY: ESSEX

0 N, 60 P, 60 K

SOIL TYPE: CRIDER SILT LOAM

PH: 6.5 O.M.: 1.5%
 DATE TREATED: MP JUNE 7; LP, +4D JUNE 11
 +1D, SEQ, 16" JUNE 12
 17" JUNE 13
 -3D, 20", +1D, 17" JUNE 14
 20", LLP JUNE 17
 SEQ, 15", 25" JUNE 17
 14D, LP JUNE 25
 8", 17", SEQ JULY 9

16J = 12-20" JOHNSONGRASS
 17J = 15-20" JOHNSONGRASS
 20J = 15-24" JOHNSONGRASS
 8J = SEQUENTIAL TRT. TO 6-10" JOHNSONGRASS
 LLP = JOHNSONGRASS > 12"
 TREATMENTS 14, 15 = 12" JOHNSONGRASS

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TABLE S5120 INFLUENCE OF ADDITIVES WITH ROUNDUP ON JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---PRIOR TO PLANTING -		---JULY 2		--AUG 22 -			
					GRAS	BRLE	RHJG	SEJG	CRIN	JOGR	CRIN	JOGR
1A	GLYPHOSATE	4.00 E	.250 LB/AC	5DP	70	67	53	87	0	73	0	100
1B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
1C	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
2A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	47	90	97	0	77	3	100
2B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
2C	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
3A	GLYPHOSATE	4.00 E	1.000 LB/AC	5DP	100	90	100	100	0	73	0	100
3B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
3C	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
4A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	93	90	93	100	0	70	0	43
4B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
4C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
4D	GLYPHOSATE	4.00 E	.250 LB/AC	POD								
5A	GLYPHOSATE	4.00 E	.250 LB/AC	5DP	60	60	60	73	0	77	0	100
5B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
5C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
5D	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
6A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	87	83	87	93	0	77	0	100
6B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
6C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
6D	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
7A	GLYPHOSATE	4.00 E	1.000 LB/AC	5DP	97	97	97	100	0	90	0	100
7B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
7C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
7D	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
8A	GLYPHOSATE	4.00 E	.250 LB/AC	5DP	73	70	73	83	0	73	0	100
8B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
8C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
8D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
8E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
9A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	80	60	80	100	0	80	0	100
9B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
9C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
9D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
9E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
10A	GLYPHOSATE	4.00 E	1.000 LB/AC	5DP	100	67	100	100	0	87	0	97
10B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
10C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
10D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
10E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								

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TABLE S5120 INFLUENCE OF ADDITIVES WITH ROUNDUP ON JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---PRIOR TO PLANTING -		---JULY 2		--AUG 22 -			
					GRAS	BRLE	RHJG	SEJG	CRIN	JOGR	CRIN	JOGR
11A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	87	57	87	100	0	80	0	100
11B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
11C	AMMONIUM SULFATE	.00 WP	5.000 LB/AC	5DP								
11D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
11E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
12A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	80	90	97	0	70	0	73
12B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
12C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
12D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
12E	GLYPHOSATE	4.00 E	.250 LB/AC	POD								
13A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	93	70	93	100	0	80	0	93
13B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
13C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
13D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
13E	GLYPHOSATE	4.00 E	.500 LB/AC	POD								
14A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	37	87	100	0	73	7	87
14B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
14C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
14D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
14E	GLYPHOSATE	4.00 E	.250 LB/AC	POD								
14F	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	POD								
15A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	100	97	100	100	0	90	13	93
15B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
15C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
15D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
15E	GLYPHOSATE	4.00 E	.500 LB/AC	POD								
15F	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	POD								
16A	GLYPHOSATE	4.00 E	.250 LB/AC	5DP	57	70	57	67	0	77	0	100
16B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
16C	EDTA	.00 WP	2.000 LB/AC	5DP								
16D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
16E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
17A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	80	47	80	90	0	80	0	100
17B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
17C	EDTA	.00 WP	2.000 LB/AC	5DP								
17D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
17E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
18A	GLYPHOSATE	4.00 E	1.000 LB/AC	5DP	93	67	93	97	0	83	0	100
18B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
18C	EDTA	.00 WP	2.000 LB/AC	5DP								
18D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
18E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								

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TABLE S5120 INFLUENCE OF ADDITIVES WITH ROUNDUP ON JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---PRIOR TO PLANTING -		---JULY 2		--AUG 22 -			
					GRAS	BRLE	RHJG	SEJG	CRIN	JOGR	CRIN	JOGR
19A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	77	90	100	0	80	0	100
19B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
19C	EGTA	.00 WP	2.000 LB/AC	5DP								
19D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
19E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
20A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	67	90	100	0	73	0	100
20B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
20C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
20D	ALACHLOR	4.00 MT	2.500 LB/AC	SPI								
20E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
21A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	90	90	90	100	0	90	10	100
21B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
21C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
21D	METOLACHLOR	8.00 E	2.500 LB/AC	SPI								
21E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
22A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	77	63	77	90	0	83	0	100
22B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
22C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
22D	TRIFLURALIN	4.00 E	.750 LB/AC	PPI								
22E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
23A	GLYPHOSATE	4.00 E	.500 LB/AC	5DP	83	80	83	93	0	90	0	100
23B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
23C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
23D	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI								
23E	GLYPHOSATE	4.00 E	.250 LB/AC	POD								
24A	GLYPHOSATE	4.00 E	.250 LB/AC	5DP	73	73	73	90	0	83	0	80
24B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
24C	AMMONIUM SULFATE	.00 WP	2.000 LB/AC	5DP								
24D	TRIFLURALIN	4.00 E	.750 LB/AC	PPI								
24E	GLYPHOSATE	4.00 E	.250 LB/AC	POD								
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	0	0	0	0	60	7	100
25B	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
26	TRIFLURALIN	4.00 E	1.500 LB/AC	PPI	0	0	0	0	0	70	0	0
27A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	0	0	0	0	73	0	30
27B	GLYPHOSATE	4.00 E	.250 LB/AC	POD								
28A	GLYPHOSATE	4.00 E	.250 LB/AC	5DP	70	73	70	90	0	80	3	100
28B	X-77 (SURFACTANT)	.50 WA	.500 %	5DP								
28C	DEIONIZED WATER	.00 AD	40.000 QT/AC	5DP								
28D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
28E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								

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TABLE S5120 INFLUENCE OF ADDITIVES WITH ROUNDUP ON JOHNSONGRASS CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---PRIOR TO PLANTING -		---JULY 2		--AUG 22 -			
					GRAS	BRLE	RHJG	SEJG	CRIN	JOGR	CRIN	JOGR
29A	GLYPHOSATE	4.00 E	.500 LB/AC	SDP	90	87	90	100	0	80	0	100
29B	X-77 (SURFACTANT)	.50 WA	.500 %	SDP								
29C	DEIONIZED WATER	.00 AD	40.000 QT/AC	SDP								
29D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
29E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
30A	GLYPHOSATE	4.00 E	1.000 LB/AC	SDP	100	97	100	100	0	90	3	100
30B	X-77 (SURFACTANT)	.50 WA	.500 %	SDP								
30C	DEIONIZED WATER	.00 AD	40.000 QT/AC	SDP								
30D	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
30E	FLUAZIFOP BUTYL	4.00 E	.250 LB/AC	POE								
LSD(05):					17	43	19	11	0	0	11	6

LOCATION: PRINCETON
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
 DATE PLANTED: JUNE 15
 VARIETY: WILLIAMS

SOIL TYPE: CRIDER SILT LOAM
 PH: 6.5 O.M.: 1.5%
 DATE TREATED: SDP MAY 30
 PRE JUNE 15
 PPI JUNE 15
 POE JULY 18
 POD JULY 18

SDP AND ROUNDUP POD TREATMENTS ARE 10 GPA
 TREATMENTS 27-30 HAVE DEIONIZED WATER AS CARRIER
 RHJG = RHIZOME JOHNSONGRASS
 SEJG = SEEDLING JOHNSONGRASS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK COCB	8 WK COCB
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	57	57
1B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PRE		
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	97
2B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE		
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	93
3B	DPX F6025	25.00 DF	.008 LB/AC	MP		
3C	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	100
4B	DPX F6025	25.00 DF	.012 LB/AC	MP		
4C	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	97
5B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PRE		
5C	DPX F6025	25.00 DF	.008 LB/AC	MP		
5D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
6B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PRE		
6C	DPX F6025	25.00 DF	.012 LB/AC	MP		
6D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	100
7B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE		
7C	DPX F6025	25.00 DF	.008 LB/AC	MP		
7D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
8B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE		
8C	DPX F6025	25.00 DF	.012 LB/AC	MP		
8D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	80
9B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE		
9C	LINURON	4.00 L	.750 LB/AC	PRE		
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	93
10B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
10C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP		
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
11B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP		
11C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP		
11D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		

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TABLE S5112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK COCB	8 WK COCB
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
12B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP		
12C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP		
12D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
13B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
13C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP		
13D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	100
14B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
14C	IMAZAQUIN	1.50 AS	.120 LB/AC	MP		
14D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	93
15B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP		
15C	DPX F6025	25.00 DF	.004 LB/AC	MP		
15D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
16B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP		
16C	DPX F6025	25.00 DF	.008 LB/AC	MP		
16D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
17B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
17C	DPX F6025	25.00 DF	.004 LB/AC	MP		
17D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90
18B	NANPA/DN	3.00 E	2.250 LB/AC	MP		
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	83
19B	NANPA/DN	3.00 E	1.500 LB/AC	MP		
19C	2,4-DB	2.00 E	.030 LB/AC	MP		
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	93
20B	NANPA/DN	3.00 E	2.250 LB/AC	LP		
20C	2,4-DB	2.00 E	.030 LB/AC	LP		
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	100
21B	UBI 1484	2.00 L	1.500 LB/AC	LP		
21C	X-77 (SURFACTANT)	.50 WA	.250 %	LP		

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TABLE S5112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK COCB	8 WK COCB
22A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	83	83
22B	NANPA/DN	3.00 E	1.500 LB/AC	MP		
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	80
23B	RH-0265	2.00 E	.120 LB/AC	MP		
23C	2,4-DB	2.00 E	.030 LB/AC	MP		
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
24B	RH-0265	2.00 E	.120 LB/AC	LP		
24C	2,4-DB	2.00 E	.030 LB/AC	LP		
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	90
25B	RH-0265	2.00 E	.180 LB/AC	MP		
25C	2,4-DB	2.00 E	.030 LB/AC	MP		
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	97
26B	RH-0265	2.00 E	.180 LB/AC	LP		
26C	2,4-DB	2.00 E	.030 LB/AC	LP		
27A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	77	77
27B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE		
28A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	80	83
28B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE		
28C	LINURON	4.00 L	.750 LB/AC	PRE		
29A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	63	67
29B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE		
29C	MZH 2091	4.00 EC	.380 LB/AC	PRE		
30A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	93	93
30B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
30C	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
31A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	93	87
31B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
31C	2,4-DB	2.00 E	.030 LB/AC	MP		
31D	TRITON AG 98 SURFACT	.00 WA	.120 %	MP		
32A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	77	73
32B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI		
33A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	77	70
33B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI		
33C	MZH 2091	4.00 EC	.380 LB/AC	PPI		

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TABLE S5112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK COCB	8 WK COCB
34	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI	73	80
35	METRIBUZIN 1	75.00 DF	.380 LB/AC	PRE	57	60
36A	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI	73	77
36B	MZH 2091	4.00 EC	.380 LB/AC	PPI		
37A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	77	73
37B	MZH 2091	4.00 EC	.380 LB/AC	PRE		
38	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI	85	90
39	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE	87	80
40	IMAZAQUIN	1.50 AS	.063 LB/AC	LP	97	93
41	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	83	83
42	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	70	67
43	IMAZAQUIN	1.50 AS	.125 LB/AC	LP	100	100
44	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	93	93
45	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	83	87
46	IMAZAQUIN	1.50 AS	.188 LB/AC	LP	90	100
47	FMC 57020	6.00 EC	1.000 LB/AC	PRE	93	93
48A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	93	97
48B	METRIBUZIN	75.00 DF	.250 LB/AC	PRE		
49A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	97	100
49B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
49C	TRITON AG 98 SURFACT	.00 WA	.120 %	MP		
50A	FMC 57020	6.00 EC	1.000 LB/AC	PRE	93	93
50B	ACIFLUORFEN	2.00 L	.500 LB/AC	MP		
50C	2,4-DB	2.00 E	.030 LB/AC	MP		
50D	TRITON AG 98 SURFACT	.00 WA	.130 %	MP		
51	AC 499	1.95 AS	.032 LB/AC	PPI	80	73
52	AC 499	1.95 AS	.032 LB/AC	PRE	67	70

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TABLE S5112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK COCB	8 WK COCB
53	AC 499	1.95 AS	.032	LB/AC LP	87	90
54	AC 499	1.95 AS	.063	LB/AC PPI	87	83
55	AC 499	1.95 AS	.063	LB/AC PRE	63	70
56	AC 499	1.95 AS	.063	LB/AC LP	90	97
57	AC 499	1.95 AS	.093	LB/AC PPI	77	87
58	AC 499	1.95 AS	.093	LB/AC PRE	67	77
59	AC 499	1.95 AS	.093	LB/AC LP	90	83
60	AC 499	1.95 AS	.125	LB/AC PPI	90	93
61	AC 499	1.95 AS	.125	LB/AC PRE	87	77
62	AC 499	1.95 AS	.125	LB/AC LP	90	97
63	CHECK (CULTIVATED)	.00 CK	.000		100	98
64	CHECK (CULTIVATED)	.00 CK	.000		*****	NO DATA FOUND *****

LSD(05): 16 17

LOCATION: PRINCETON
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 9
 VARIETY: WILLIAMS

0 N, 60 P, 60 K SOIL TYPE: CRIDER SILT LOAM
 PH: 6.8 O.M.: 1.3%
 DATE TREATED: PPI MAY 9
 PRE MAY 9
 MP MAY 31
 LP JUNE 10

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TABLE S5116 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK ILMG	8 WK ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	70
1B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PRE		
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	83
2B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE		
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	83
3B	DPX F6025	25.00 DF	.008 LB/AC	MP		
3C	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	93
4B	DPX F6025	25.00 DF	.016 LB/AC	MP		
4C	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	87
5B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PRE		
5C	DPX F6025	25.00 DF	.008 LB/AC	MP		
5D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	87
6B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PRE		
6C	DPX F6025	25.00 DF	.012 LB/AC	MP		
6D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	93
7B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE		
7C	DPX F6025	25.00 DF	.008 LB/AC	MP		
7D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	100
8B	DPX F6025 + METRIBUZ	75.00 DF	.380 LB/AC	PRE		
8C	DPX F6025	25.00 DF	.012 LB/AC	MP		
8D	X-77 (SURFACTANT)	.50 WA	.250 %	MP		
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	63	77
9B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE		
9C	LINURON	4.00 L	.750 LB/AC	PRE		
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	80
10B	NANPA/DN	3.00 E	2.250 LB/AC	MP		
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	93
11B	NANPA/DN	3.00 E	1.500 LB/AC	MP		
11C	2,4-DB	2.00 E	.030 LB/AC	MP		

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TABLE S5116 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK ILMG	8 WK ILMG
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	90
12B	NANPA/DN	3.00 E	2.250 LB/AC	LP		
12C	2,4-DB	2.00 E	.030 LB/AC	LP		
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	77
13B	UBI 1484	2.00 L	1.500 LB/AC	LP		
13C	X-77 (SURFACTANT)	.50 WA	.250 %	LP		
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	67	80
14B	AC 499	1.95 AS	.032 LB/AC	LP		
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	60	80
15B	AC 499	1.95 AS	.063 LB/AC	LP		
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	73	87
16B	AC 499	1.95 AS	.093 LB/AC	LP		
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	90
17B	AC 499	1.95 AS	.125 LB/AC	LP		
18A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	80	87
18B	PPG 1013	.25 EC	.020 LB/AC	EP		
19A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	97
19B	PPG 1013	.25 EC	.020 LB/AC	MP		
19C	BENTAZON	4.00 E	.500 LB/AC	MP		
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
20A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	97	87
20B	PPG 1013	.25 EC	.020 LB/AC	MP		
20C	BENAZOLIN	4.00 F	.250 LB/AC	MP		
21A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	57	67
21B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE		
22A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	63	77
22B	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE		
22C	LINURON	4.00 L	.750 LB/AC	PRE		
23A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	77	83
23B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE		
23C	MZH 2091	4.00 EC	.500 LB/AC	PRE		
24	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	50	73

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TABLE S5116 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK ILMG	8 WK ILMG
25A	METRIBUZIN 1	4.00 F	.380	LB/AC PRE	77	77
25B	MZH 2091	4.00 EC	.500	LB/AC PRE		
26A	IMAZAQUIN	1.50 AS	.125	LB/AC PPI	83	87
26B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI		
27A	IMAZAQUIN	1.50 AS	.188	LB/AC PPI	83	83
27B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI		
28A	IMAZAQUIN	1.50 AS	.125	LB/AC PRE	73	80
28B	ALACHLOR	4.00 MT	1.000	LB/AC PRE		
29A	IMAZAQUIN	1.50 AS	.188	LB/AC PRE	83	87
29B	ALACHLOR	4.00 MT	1.000	LB/AC PRE		
30A	IMAZAQUIN	1.50 AS	.125	LB/AC MP	80	100
30B	2,4-DB	2.00 E	.030	LB/AC MP		
31A	IMAZAQUIN	1.50 AS	.188	LB/AC MP	90	90
31B	2,4-DB	2.00 E	.030	LB/AC MP		
32A	IMAZAQUIN	1.50 AS	.125	LB/AC MP	77	83
32B	ACIFLUORFEN	2.00 L	.250	LB/AC MP		
33A	IMAZAQUIN	1.50 AS	.188	LB/AC MP	77	87
33B	ACIFLUORFEN	2.00 L	.250	LB/AC MP		
34A	FMC 57020	6.00 EC	1.000	LB/AC PRE	63	77
34B	BENTAZON	4.00 E	.750	LB/AC MP		
34C	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP		
35A	FMC 57020	6.00 EC	1.000	LB/AC PRE	80	90
35B	ACIFLUORFEN	2.00 L	.250	LB/AC MP		
35C	TRITON AG 98 SURFACT	.00 WA	.250	% MP		
36A	FMC 57020	6.00 EC	1.000	LB/AC PRE	83	87
36B	DPX F6025	25.00 DF	.004	LB/AC MP		
36C	X-77 (SURFACTANT)	.50 WA	.250	% MP		
37A	AC 499	1.95 AS	.032	LB/AC PPI	80	90
37B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI		
38A	AC 499	1.95 AS	.063	LB/AC PPI	80	80
38B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI		

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TABLE S5116 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK ILMG	8 WK ILMG
39A	AC 499	1.95 AS	.093	LB/AC PPI	80	87
39B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI		
40A	AC 499	1.95 AS	.125	LB/AC PPI	87	90
40B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI		
41A	AC 499	1.95 AS	.032	LB/AC PRE	73	90
41B	ALACHLOR	4.00 MT	2.500	LB/AC PRE		
42A	AC 499	1.95 AS	.063	LB/AC PRE	70	90
42B	ALACHLOR	4.00 MT	2.500	LB/AC PRE		
43A	AC 499	1.95 AS	.093	LB/AC PRE	70	77
43B	ALACHLOR	4.00 MT	2.500	LB/AC PRE		
44A	AC 499	1.95 AS	.125	LB/AC PRE	77	87
44B	ALACHLOR	4.00 MT	2.500	LB/AC PRE		
45	CHECK (CULTIVATED)	.00 CK	.000		100	100
			LSD(05):		11	15

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LOCATION: PRINCETON
 FERTILIZATION (LB/AC):
 DATE PLANTED: MAY 9
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM
 PH: 6.8 O.M.: 1.5%
 0 N, 60 P, 60 K
 DATE TREATED: PPI MAY 9
 PRE MAY 9
 EP MAY 24
 MP JUNE 7
 LP JUNE 10

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TABLE S5121 SHATTERCANE CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK SHCA	8 WK SHCA
1A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	95
1B	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	LP		
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
2A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	100
2B	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	LP		
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
3A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	95
3B	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	LP		
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
4A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	98
4B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	LP		
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
5A	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE	100	100
5B	FLUAZIFOP BUTYL	4.00 E	.125 LB/AC	LP		
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
6A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	92	82
6B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI		
7A	IMAZAQUIN	1.50 AS	.188 LB/AC	PPI	88	82
7B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI		
8A	IMAZAQUIN	1.50 AS	.250 LB/AC	PPI	95	90
8B	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI		
9A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	88	80
9B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE		
10A	IMAZAQUIN	1.50 AS	.188 LB/AC	PRE	92	85
10B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE		
11A	BENTAZON	4.00 E	.750 LB/AC	MP	98	88
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
11C	FLUAZIFOP-BUYTL	1.00 E	.094 LB/AC	LP		
11D	2,4-DB	2.00 E	.030 LB/AC	LP		
11E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		
12A	BENTAZON	4.00 E	.750 LB/AC	MP	100	100
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP		
12C	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	LP		
12D	2,4-DB	2.00 E	.030 LB/AC	LP		
12E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP		

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TABLE S5121 SHATTERCANE CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK SHCA	8 WK SHCA
13A	BENTAZON	4.00 E	.750	LB/AC MP	100	98
13B	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP		
13C	FLUAZIFOP-BUYTL	1.00 E	.156	LB/AC LP		
13D	2,4-DB	2.00 E	.030	LB/AC LP		
13E	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP		
14A	BENTAZON	4.00 E	.750	LB/AC MP	98	100
14B	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP		
14C	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC LP		
14D	2,4-DB	2.00 E	.030	LB/AC LP		
14E	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP		
15	AC 499	1.95 AS	.093	LB/AC PPI	78	70
16	AC 499	1.95 AS	.093	LB/AC PRE	78	70
17	AC 499	1.95 AS	.125	LB/AC PPI	82	78
18A	ACIFLUORFEN 2	2.00 L	.500	LB/AC MP	92	92
18B	HOE 33171	1.00 EC	.200	LB/AC MP		
18C	OIL CON. (ATPLUS)	.00 AD	.500	QT/AC MP		
19	AC 499	1.95 AS	.188	LB/AC PPI	88	80
20	AC 499	1.95 AS	.188	LB/AC PRE	92	80
21A	AC 499	1.95 AS	.093	LB/AC PPI	90	82
21B	PENDIMETHALIN	4.00 E	1.500	LB/AC PPI		
22A	AC 499	1.95 AS	.125	LB/AC PPI	88	80
22B	PENDIMETHALIN	4.00 E	1.500	LB/AC PPI		
23A	AC 499	1.95 AS	.125	LB/AC PRE	88	82
23B	ALACHLOR	4.00 MT	2.500	LB/AC PRE		
24A	AC 499	1.95 AS	.093	LB/AC LLP	80	95
24B	OIL CONCENTRATE	.00 AD	1.000	QT/AC LLP		
25A	AC 499	1.95 AS	.125	LB/AC LLP	92	98
25B	OIL CONCENTRATE	.00 AD	1.000	QT/AC LLP		
26	CHECK (CULTIVATED)	.00 CK	.000		100	100
			LSD(05):		9	12

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TABLE S5121 SHATTERCANE CONTROL IN SOYBEANS

LOCATION: PRINCETON				SOIL TYPE:		
FERTILIZATION (LB/AC):	0 N,	0 P,	0 K	PH: 6.5	O.M.:	1.0%
DATE PLANTED: MAY 30			DATE TREATED:	PPI MAY 30		
VARIETY: ESSEX				PRE MAY 30		
				MP JUNE 21		
				LP JULY 2		

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TABLE M5131 MILO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEK		---8 WEEK	
					CRIN	GRAS	CRIN	GRAS
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	0	87
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	0	93
2B	ATRAZINE	4.00 L	1.200 LB/AC	PRE				
3	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	90	0	87
4A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	0	90	0	93
4B	ATRAZINE	4.00 L	1.200 LB/AC	PRE				
5A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	0	90	0	90
5B	ATRAZINE	4.00 L	1.000 LB/AC	PRE				
6A	PENDIMETHALIN	4.00 E	1.000 LB/AC	3LF	0	83	0	80
6B	ATRAZINE	4.00 L	1.000 LB/AC	3LF				
7A	PENDIMETHALIN	4.00 E	2.000 LB/AC	PRE	10	100	0	97
7B	ATRAZINE	4.00 L	2.000 LB/AC	PRE				
8A	PENDIMETHALIN	4.00 E	2.000 LB/AC	3LF	0	90	0	83
8B	ATRAZINE	4.00 L	2.000 LB/AC	3LF				
9A	BENTAZON	4.00 E	.750 LB/AC	MP	0	70	10	67
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
10A	BENTAZON	4.00 E	1.000 LB/AC	MP	0	70	10	67
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
11A	BENTAZON	4.00 E	.500 LB/AC	MP	3	70	10	63
11B	ATRAZINE	4.00 L	.500 LB/AC	MP				
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
12A	BENTAZON	4.00 E	.750 LB/AC	MP	0	70	7	70
12B	ATRAZINE	4.00 L	.750 LB/AC	MP				
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
13	CHECK (CULTIVATED)	.00 CK	.000		0	57	10	63
LSD(05):					3	8	3	8

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TABLE M5131 MILO

LOCATION: PRINCETON
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K SOIL TYPE: CRIDER SILT LOAM
DATE PLANTED: MAY 31 DATE TREATED: PH: 6.5 O.M.: 1.5%
VARIETY: MILO PRE MAY 31
3LF JUNE 11
MP JUNE 21

TREATMENTS 5-8 ARE 20 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE W5130 WILD GARLIC CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--JUNE 9 --	
					CRIN	WIGA
1A	DPX M6316	75.00 DF	.015 LB/AC	POE	0	67
1B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		
2A	DPX M6316	75.00 DF	.020 LB/AC	POE	0	77
2B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		
3A	DPX M6316	75.00 DF	.030 LB/AC	POE	0	77
3B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		
4A	DPX M6316	75.00 DF	.045 LB/AC	POE	0	77
4B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		
5A	DPX R9674	75.00 DF	.012 LB/AC	POE	0	80
5B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		
6A	DPX R9674	75.00 DF	.020 LB/AC	POE	0	77
6B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		
7A	DPX R9674	75.00 DF	.045 LB/AC	POE	0	83
7B	X-77 (SURFACTANT)	.50 WA	.250 %	POE		

LSD(05): 0 NS

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 1.5%
 DATE PLANTED: JUNE 26 DATE TREATED: POE MAY 9
 VARIETY: WILLIAMS
 FOLLOW WHEAT WITH DOUBLE CROP SOYBEANS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1985

TABLE S5025 BURLEY TOBACCO

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TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	RRPW
1	PEBULATE	6.00 E	4.000 LB/AC	PPI	80	50	0	77	20	20	73
2	BENEFIN	1.50 E	1.500 LB/AC	PPI	57	57	0	57	57	40	70
3	ISOPROPALIN	6.00 E	1.500 LB/AC	PPI	70	63	0	73	67	30	73
4	NAPROPAMIDE	50.00 WP	1.000 LB/AC	PPI	33	47	0	30	50	20	70
5	DIPHENAMID	90.00 W	4.000 LB/AC	PPI	70	57	0	73	37	30	73
6	DIPHENAMID	90.00 W	4.000 LB/AC	POT	30	7	0	27	3	27	13
7	DIPHENAMID	90.00 W	6.000 LB/AC	PPI	63	37	0	67	40	17	67
8	DIPHENAMID	90.00 W	6.000 LB/AC	PRE	47	23	0	47	30	27	20
9	DIPHENAMID	90.00 W	6.000 LB/AC	POT	57	50	0	60	30	43	63
10A	DIPHENAMID	90.00 W	4.000 LB/AC	PPI	70	47	0	70	43	27	67
10B	SETHOXYDIM	1.53 EC	.250 LB/AC	MP							
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
11A	DIPHENAMID	90.00 W	6.000 LB/AC	PPI	83	43	0	87	47	30	73
11B	SETHOXYDIM	1.53 EC	.250 LB/AC	MP							
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
12A	DIPHENAMID	90.00 W	4.000 LB/AC	PPI	90	43	0	90	37	47	50
12B	FLUAZIFOP-BUYTL	1.00 E	.200 LB/AC	MP							
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
13A	DIPHENAMID	90.00 W	6.000 LB/AC	PPI	77	50	0	77	37	43	73
13B	FLUAZIFOP-BUYTL	1.00 E	.200 LB/AC	MP							
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
14	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI	73	63	0	77	53	57	70
15	PENDIMETHALIN	4.00 E	1.500 LB/AC	PPI	87	73	0	87	77	77	73
16	PENDIMETHALIN	4.00 E	3.000 LB/AC	PPI	100	87	3	100	93	90	97
17	PENDIMETHALIN	4.00 E	4.000 LB/AC	PPI	97	87	7	97	100	83	100
18	FMC 57020	6.00 EC	.750 LB/AC	PPI	87	67	0	90	87	80	47
19	FMC 57020	6.00 EC	.750 LB/AC	PRE	83	63	3	80	83	53	37

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TABLE S5025 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLICATION -----						
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	RRPW
20	FMC 57020	6.00 EC	.750 LB/AC	POT	90	63	0	90	87	63	47
21	FMC 57020	6.00 EC	1.000 LB/AC	PPI	97	70	0	97	90	83	87
22	FMC 57020	6.00 EC	1.000 LB/AC	PRE	97	60	0	97	90	53	53
23	FMC 57020	6.00 EC	1.000 LB/AC	POT	90	63	0	90	80	57	53
24	SD 95481	7.00 EC	1.400 LB/AC	PRE	67	47	0	63	77	37	40
25	SD 95481	7.00 EC	1.400 LB/AC	POT	77	47	0	80	73	33	37
26	CHLORAMBEN	75.00 DS	2.250 LB/AC	PRE	17	13	0	17	27	33	7
27	CHLORAMBEN	75.00 DS	2.250 LB/AC	POT	23	33	0	23	13	60	20
28	CHLORAMBEN	75.00 DS	2.250 LB/AC	10D	30	37	0	27	17	37	47
29	CHLORAMBEN	10.00 G	2.250 LB/AC	10D	23	13	0	23	13	30	10
30	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100
LSD(05):					20	17	3	19	19	20	22

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LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: JUNE 14
 VARIETY: BURLEY

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.5%
 DATE TREATED: PPI JUNE 14
 PRE JUNE 14
 10D JUNE 25
 MP JULY 12