

Herbicide Evaluation Trials - 1987

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

II. ABBREVIATIONS

A. Weed Species

<u>ABB</u>	<u>Common Name</u>	<u>Scientific Name</u>
BLNS	Eastern Black Nightshade	<i>Solanum pytcanthum</i>
CLMW	Climbing Milkweed	<i>Sarcostemma cynanchoides</i>
COCB	Common Cocklebur	<i>Xanthium pensylvanicum</i>
COLQ	Common Lambsquarters	<i>Chenopodium album</i>
CORW	Common Ragweed	<i>Ambrosia artemisiifolia</i>
FAPA	Fall Panicum	<i>Panicum dichotomiflorum</i>
GIFT	Giant Foxtail	<i>Setaria faberi</i>
HHCL	Hophornbeam Copperleaf	<i>Acalypha ostryifolia</i>
HONE	Horsenettle	<i>Solanum carolinense</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>
SHCA	Shattercane	<i>Sorghum bicolor</i>
TAMG	Tall Morningglory	<i>Ipomoea purpurea</i>
VELE	Velvetleaf	<i>Abutilon theophrasti</i>
YEFT	Yellow Foxtail	<i>Setaria glauca</i>

B. Miscellaneous

BRLE	All Broadleaf Species
GRAS	All Grass Species
CRIN	Crop Injury

C. Crop Growth Stages at Application

1. CORN

- SPK - Spiking stage; corn just emerging from soil
- 2LF - Two fully developed leaves formed
- 3LF - Three fully developed leaves formed
- 4LF - Four fully developed leaves formed
- 5LF - Five fully developed leaves formed

II. ABBREVIATIONS

D. Herbicide Application Times with Reference to Crop or Weed

1. PPI —Preplant incorporated
2. PRE —Preemergence
3. EPP —Early preplant; 3-4 weeks before planting
4. POE —Postemergence
5. POT —Post transplanting
6. EP —Early postemergence; weeds < 2"
7. MP —Mid-postemergence; weeds 2-4"
8. LP —Late postemergence; weeds 4-6"
9. LLP —Late, late postemergence; weeds > 18"
10. POD —Postemergence directed; to the base of the crop plant
11. REG —Sequential application when regrowth occurs
12. +1D —Sequential treatment applied 1 day after first application
13. +5D —Sequential treatment applied 5 days after first application
14. +7D —Sequential treatment applied 7 days after first application
15. -7D —Treatment applied 7 days before planting
16. -45 —Sequential treatment applied 45 days before planting
17. 2WP —Treatment applied 2 weeks prior to planting
18. 6J —6" Johnsongrass
19. 12J —12" Johnsongrass
20. 12R —Treatment applied when regrowth of Johnsongrass reaches 12"
21. 15J —15" Johnsongrass
22. 21J —21" Johnsongrass

III A. April Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO		
4/ 1/87	56	31	--	85	42	44	42	46	35	
4/ 2/87	54	34	.42	100	50	44	43	46	38	
4/ 3/87	41	31	--	84	53	43	42	44	33	
4/ 4/87	34	30	.14	100	76	41	40	41	35	
4/ 5/87	40	33	.15	100	84	39	39	37	35	
4/ 6/87	49	35	--	100	75	41	40	42	34	.00
4/ 7/87	58	45	.01	100	68	44	40	53	44	.07
4/ 8/87	64	43	--	100	32	48	43	56	41	.20
4/ 9/87	63	38	--	99	34	48	46	59	41	.10
4/10/87	70	36	--	85	31	49	47	60	40	.19
4/11/87	70	46	.01	98	31	51	48	68	48	.28
4/12/87	63	54	.12	100	32	53	50	60	49	.30
4/13/87	67	41	--	100	54	53	51	59	45	.11
4/14/87	75	62	.16	100	57	55	51	62	53	.18
4/15/87	63	55	1.25	100	77	54	53	62	53	.22
4/16/87	61	47	TRACE	100	81	53	52	56	49	.06
4/17/87	60	51	.01	100	80	53	52	56	50	.13
4/18/87	72	44	TRACE	100	51	54	52	66	47	.09
4/19/87	77	47	--	100	41	59	54	70	51	.20
4/20/87	81	52	--	100	40	61	57	72	54	.17
4/21/87	84	55	--	97	39	62	58	76	56	.24
4/22/87	84	55	--	99	40	63	60	77	58	.23
4/23/87	65	52	.11	99	38	61	60	72	58	.19
4/24/87	65	43	--	100	61	62	58	66	52	.15
4/25/87	64	37	--	100	39	59	55	72	46	.21
4/26/87	69	40	--	100	35	60	56	71	50	.21
4/27/87	74	47	.02	100	49	60	57	69	52	.21
4/28/87	63	48	--	84	33	60	57	67	50	.22
4/29/87	80	48	--	74	31	60	56	70	50	.32
4/30/87	73	50	--	70	39	63	58	75	56	.25

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

SUMMARY

AVERAGES	ACCUMULATIONS													
	FOR PERIOD					FOR PERIOD								
STATION	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL				
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.				
				HI	LO	HI	LO	MOD	DAYS	DAYS				
SPINDLETOP	65	44	55	96	50	53	51	61	47	2.40	4.53	263	323	16

EXTREMES FOR PERIOD

STATION	TEMP	PCPN	RH	SOILTEMP		EVAP	GDD	HEAT	COOL				
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.				
					HI	LO	HI	LO	MOD				
					HI	LO	HI	LO	DAYS				
SPINDLETOP	84	30	1.25	100	31	63	39	77	33	.32	20	33	5

III A. May Climatological Data, Spindletop

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
5/ 1/87		76	42	--	100	34	62	57	76	53	.18
5/ 2/87		85	62	--	88	36	63	59	78	60	.31
5/ 3/87		80	52	.10	100	76	64	61	80	62	.05
5/ 4/87		63	49	1.01	100	51	67	60	69	56	.24
5/ 5/87		69	40	--	100	40	63	59	69	50	.20
5/ 6/87		73	42	--	93	35	64	60	70	51	.24
5/ 7/87		78	46	--	100	32	64	60	74	54	.25
5/ 8/87		74	42	--	100	30	64	61	73	54	.27
5/ 9/87		78	46	--	85	36	65	61	78	54	.26
5/10/87		82	53	--	87	38	66	62	80	57	.33
5/11/87		83	64	--	97	44	67	64	80	62	.26
5/12/87		80	61	--	99	61	67	64	82	63	.20
5/13/87		82	53	--	87	53	69	65	83	63	.30
5/14/87		85	62	--	100	67	70	66	84	64	.34
5/15/87		79	66	.03	100	53	69	67	82	68	.20
5/16/87		78	47	--	87	37	69	64	81	59	.24
5/17/87		88	52	--	78	48	70	65	84	61	.19
5/18/87		87	74	--	92	57	70	67	83	69	.36
5/19/87		83	69	.45	100	63	70	68	81	69	.16
5/20/87		87	67	--	100	63	72	68	82	66	.13
5/21/87		80	69	--	100	68	72	70	81	69	.18
5/22/87		85	67	--	100	65	72	70	81	68	.19
5/23/87		86	68	--	100	52	75	70	85	70	.28
5/24/87		84	58	--	98	60	75	70	85	68	.20
5/25/87		88	65	.09	100	52	73	70	84	70	.26
5/26/87		86	74	--	100	52	74	71	83	70	.27
5/27/87		89	63	--	100	85	74	70	85	68	.22
5/28/87		90	68	--	98	50	74	71	83	71	.18
5/29/87		91	67	--	100	50	75	71	86	72	.24
5/30/87		90	70	--	94	43	75	72	86	73	.25
5/31/87		85	61	.02	100	52	75	71	86	70	.18

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AVERAGES	SUMMARY										GDD	HEAT	COOL	
	FOR PERIOD					ACCUMULATIONS								FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL					
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS
	HI	LO		HI	LO	HI	LO	HI	LO	HI	LO			
SPINDLETOP	82	59	71	96	51	69	66	80	63	1.70	7.16	651	47	220
STATION	EXTREMES FOR PERIOD													
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL						
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	MOD	DAYS	DAYS	DAYS	DAYS
	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO				
SPINDLETOP	91	40	1.01	100	30	75	57	86	50	.36	30	10	16	

III A. June Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO	HI	LO
6/ 1/87	85	72	.01	100	56	74	72	84	72	.24
6/ 2/87	84	65	1.13	100	69	75	72	80	70	.29
6/ 3/87	83	67	.33	100	61	75	71	80	69	.27
6/ 4/87	80	64	--	95	37	76	73	79	68	.36
6/ 5/87	79	60	--	100	29	76	72	81	66	.32
6/ 6/87	86	53	--	99	32	78	70	86	63	.33
6/ 7/87	89	76	--	88	32	75	72	85	68	.35
6/ 8/87	90	73	--	91	42	76	72	85	70	.38
6/ 9/87	92	63	1.27	100	43	77	74	86	70	.30
6/10/87	75	58	--	92	37	75	69	75	63	.21
6/11/87	87	58	--	85	46	74	70	76	63	.21
6/12/87	79	68	1.32	100	80	73	71	77	68	.22
6/13/87	89	66	--	99	48	76	71	81	67	.23
6/14/87	88	63	--	100	40	78	73	84	69	.32
6/15/87	90	68	--	98	48	78	75	81	71	.23
6/16/87	90	72	.02	100	55	78	75	83	73	.21
6/17/87	85	65	--	99	49	79	75	82	70	.21
6/18/87	87	69	--	91	60	77	74	81	71	.18
6/19/87	86	69	--	98	61	77	75	81	72	.24
6/20/87	82	73	.61	98	78	78	75	81	73	.19
6/21/87	85	69	--	96	70	76	74	78	70	.20
6/22/87	86	71	.78	100	67	76	74	79	70	.26
6/23/87	86	70	.22	95	58	78	74	81	70	.28
6/24/87	88	66	--	92	55	78	75	84	70	.19
6/25/87	86	69	.02	91	55	79	76	84	72	.27
6/26/87	82	67	.01	91	38	79	76	82	71	.25
6/27/87	77	57	--	86	32	73	70	85	66	.20
6/28/87	83	55	--	92	27	78	72	84	65	.21
6/29/87	90	57	.24	94	44	77	74	81	70	.38
6/30/87	89	75	--	83	40	78	75	86	71	.34

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AVERAGES	SUMMARY												
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD		
STATION	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL			
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.			
				HI	LO	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	85	66	76	95	50	77	73	82	69	5.96	7.87	758	327

STATION	EXTREMES FOR PERIOD											
	TEMP	PCPN	RH	SOILTEMP		EVAP	GDD	HEAT	COOL			
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.			
			HI	LO	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	92	53	1.32	100	27	79	69	86	63	.38	31	18

III A. July Climatological Data, Spindletop

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
7/ 1/87		84	72	.63	90	65	78	75	85	73	.24
7/ 2/87		81	71	.03	95	82	78	75	78	70	.19
7/ 3/87		88	67	--	96	70	78	74	82	69	.19
7/ 4/87		87	69	.06	97	66	80	76	84	72	.19
7/ 5/87		83	71	--	94	62	79	76	82	71	.26
7/ 6/87		89	67	.21	95	64	79	76	84	70	.31
7/ 7/87		88	69	.13	97	66	80	75	84	70	.29
7/ 8/87		88	72	--	86	76	80	77	83	71	.24
7/ 9/87		87	72	--	100	66	80	77	86	73	.23
7/10/87		87	71	--	94	65	81	77	87	63	.21
7/11/87		88	70	.01	93	62	81	78	88	64	.26
7/12/87		90	65	.07	93	59	80	76	88	70	.18
7/13/87		86	71	.52	94	73	80	77	83	72	.23
7/14/87		78	68	.23	94	55	79	76	78	70	.26
7/15/87		78	56	TRACE	94	51	77	74	79	64	.24
7/16/87		81	58	.21	95	44	78	73	78	64	.27
7/17/87		88	61	--	91	41	81	73	82	63	.26
7/18/87		90	65	--	89	41	84	72	86	64	.27
7/19/87		91	67	--	90	40	86	73	94	63	.28
7/20/87		92	73	--	96	44	88	72	98	62	.29
7/21/87		92	64	--	98	46	84	70	92	74	.24
7/22/87		92	66	--	96	42	93	74	92	72	.31
7/23/87		95	65	--	94	38	82	77	98	74	.33
7/24/87		95	68	--	93	43	82	77	97	73	.34
7/25/87		94	70	--	94	39	83	76	96	73	.32
7/26/87		94	71	--	94	48	85	73	95	72	.32
7/27/87		94	68	.10	98	48	84	75	93	69	.33
7/28/87		91	66	.75	98	55	84	77	92	72	.38
7/29/87		85	61	--	92	51	84	76	85	68	.24
7/30/87		88	65	--	90	40	84	73	90	66	.29
7/31/87		94	67	--	92	54	85	74	89	67	.30

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AVERAGES	SUMMARY												
	FOR PERIOD						ACCUMULATIONS						FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL				
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.			
				HI	LO	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	88	67	78	94	55	82	75	87	69	2.95	8.29	818	404

STATION	EXTREMES FOR PERIOD												
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL					
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.				
			HI	LO	HI	LO	MOD	DAYS	DAYS				
SPINDLETOP	95	56	.75	100	38	93	70	98	62	.38	30	18	

III A. August Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/87	96	69	.04	89	52	86	76	90	67	.30
8/ 2/87	97	68	--	88	45	87	77	91	70	.31
8/ 3/87	96	69	.54	94	58	84	77	92	74	.24
8/ 4/87	94	68	.02	98	56	84	78	88	74	.28
8/ 5/87	88	64	--	96	60	83	78	84	72	.22
8/ 6/87	92	67	--	95	54	83	78	90	72	.22
8/ 7/87	93	72	--	94	50	83	79	94	77	.28
8/ 8/87	91	71	--	92	40	86	78	93	78	.26
8/ 9/87	90	66	.05	98	64	83	79	91	80	.26
8/10/87	80	61	--	94	64	80	75	80	76	.16
8/11/87	86	58	--	92	48	84	75	84	73	.12
8/12/87	91	66	--	87	58	84	76	92	74	.25
8/13/87	90	74	--	87	56	82	77	91	78	.27
8/14/87	91	72	--	86	55	82	77	94	78	.26
8/15/87	93	68	--	89	56	83	78	94	77	.28
8/16/87	92	70	--	80	34	84	77	94	78	.27
8/17/87	89	75	--	92	60	83	76	89	80	.25
8/18/87	92	63	--	91	46	84	77	93	75	.29
8/19/87	90	61	--	86	34	84	76	92	75	.30
8/20/87	91	59	--	88	44	83	75	92	73	.26
8/21/87	91	64	--	87	52	84	76	88	75	.25
8/22/87	97	73	.04	88	50	86	78	93	78	.31
8/23/87	83	59	--	84	50	86	79	89	74	.21
8/24/87	82	56	--	72	38	80	74	88	73	.22
8/25/87	83	59	--	88	42	78	73	82	72	.18
8/26/87	95	65	--	84	52	82	75	89	72	.27
8/27/87	91	73	.08	99	53	81	76	87	77	.24
8/28/87	79	69	--	96	72	81	77	81	74	.17
8/29/87	80	56	--	93	50	80	75	83	68	.16
8/30/87	79	53	--	100	35	79	73	82	67	.14
8/31/87	82	59	--	90	49	77	74	80	68	.16

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SUMMARY

AVERAGES

FOR PERIOD

ACCUMULATIONS

FOR PERIOD

STATION	TEMP			RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	AVG	HI	LO	GRASS		BARE						
						HI	LO	HI	LO			MOD	DAYS	DAYS
SPINDLETOP	89	65	77	90	51	83	76	89	74	.77	7.39	783		387

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL	
	HI	LO		HI	LO	GRASS		BARE						50
						HI	LO	HI	LO			MOD	DAYS	DAYS
SPINDLETOP	97	53	.54	100	34	87	73	94	67	.31	31		20	

III A. September Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
9/ 1/87	80	51	--	92	41	77	72	83	64	.19
9/ 2/87	84	49	--	86	39	76	71	84	65	.21
9/ 3/87	87	56	--	92	43	76	72	85	68	.23
9/ 4/87	89	66	--	94	54	76	73	86	69	.25
9/ 5/87	86	64	--	76	53	77	74	86	71	.21
9/ 6/87	84	65	--	91	61	76	72	82	72	.22
9/ 7/87	83	67	TRACE	90	21	75	71	80	73	.21
9/ 8/87	86	58	--	78	32	78	72	84	68	.20
9/ 9/87	87	56	--	83	34	78	70	85	68	.22
9/10/87	89	61	--	94	37	78	71	83	72	.24
9/11/87	89	67	.32	97	66	75	72	85	70	.26
9/12/87	79	67	--	94	66	76	70	75	69	.11
9/13/87	84	63	--	93	41	76	70	78	67	.15
9/14/87	89	61	--	88	32	74	70	86	64	.17
9/15/87	88	68	--	84	38	75	72	81	66	.24
9/16/87	87	70	.04	92	44	76	72	81	72	.17
9/17/87	86	72	--	86	45	75	72	80	71	.20
9/18/87	84	63	--	91	44	75	71	82	69	.21
9/19/87	79	53	--	94	26	73	69	74	70	.14
9/20/87	79	53	--	94	26	71	66	76	62	.16
9/21/87	75	57	--	71	38	69	66	74	59	.10
9/22/87	69	48	--	80	40	69	66	74	59	.26
9/23/87	75	45	--	96	47	69	65	73	58	.15
9/24/87	79	49	--	88	33	69	65	77	58	.21
9/25/87	79	45	--	84	31	70	66	78	60	.20
9/26/87	84	42	--	75	29	70	65	80	59	.22
9/27/87	88	48	--	77	25	71	66	81	61	.26
9/28/87	84	60	--							
9/29/87	76	64	.62							
9/30/87	71	53	--							

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AVERAGES		SUMMARY ACCUMULATIONS												
STATION	FOR PERIOD			RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	PER AVG	HI	LO	GRASS		BARE						
						HI	LO	HI	LO			50	DEG.	DEG.
												MOD	DAYS	DAYS
SPINDLETOP	83	58	71	87	40	74	70	80	66	.98	5.39	618	20	185
EXTREMES FOR PERIOD														
STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL	
	HI	LO		HI	LO	GRASS		BARE						
						HI	LO	HI	LO			50	DEG.	DEG.
												MOD	DAYS	DAYS
SPINDLETOP	89	42	.62	97	21	78	65	86	58	.26	29	6	14	

III B. April Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
4/ 1/87		63	28	--	96	48	54	50			
4/ 2/87		60	33	.41	98	36	54	48			
4/ 3/87		42	24	--	94	62	55	49			
4/ 4/87		48	26	--	78	24	54	48			
4/ 5/87		52	36	--	58	38	53	42			
4/ 6/87		58	34	--	100	44	52	50			
4/ 7/87		58	38	--	94	48	52	48			
4/ 8/87		72	41	--	92	28	54	50			
4/ 9/87		72	40	--	84	18	54	50			
4/10/87		78	40	--	70	22	56	50			
4/11/87		66	38	.33	98	22	58	52			
4/12/87		68	48	--	84	30	58	54			
4/13/87		78	56	--	78	32	60	58			
4/14/87		76	55	1.07	98	56	61	58			
4/15/87		65	49	.20	98	82	60	54			
4/16/87		59	48	.27	98	82	60	54			
4/17/87		68	50	.08	96	62	62	56			
4/18/87		75	45	--	98	64	62	56			
4/19/87		80	48	--	98	32	62	50			
4/20/87		85	52	--	98	28	64	52			
4/21/87		89	54	--	98	32	64	50			
4/22/87		88	58	--	98	72	62	50			
4/23/87		65	44	TRACE	98	42	60	40			
4/24/87		62	45	.03	98	62	64	52			
4/25/87		72	48	--	98	58	64	52			
4/26/87		80	42	--	98	26	64	52			
4/27/87		76	52	--	98	22	64	52			
4/28/87		68	46	--	74	28	64	50			
4/29/87		82	58	--	60	32	66	59			
4/30/87		76	60	--	78	50	68	58			

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SUMMARY

AVERAGES	FOR PERIOD						ACCUMULATIONS				FOR PERIOD		
	STATION	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP BARE LO	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	69	45	57	90	43	60	51		2.39		319	267	30

STATION	TEMP		PCPN	RH		SOILTEMP		EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	HI	LO		HI	LO	GRASS HI	BARE LO				
PRINCETON	89	24	1.07	100	18	68	40		22	32	8

III B. May Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
		HI	LO		HI	LO	HI	LO	HI	LO	
5/ 1/87		77	52	--	90	60	68	60			
5/ 2/87		74	56	--	98	78	68	60			
5/ 3/87		73	60	.37	100	80	68	60			
5/ 4/87		70	58	.03	100	82	68	58			
5/ 5/87		74	48	--	100	72	68	60			
5/ 6/87		75	45	--	98	32	69	62			
5/ 7/87		80	48	--	100	22	69	60			
5/ 8/87		78	48	--	100	28	68	62			
5/ 9/87		81	49	--	98	28	69	64			
5/10/87		84	50	--	98	30	69	64			
5/11/87		84	60	--	98	60	72	62			
5/12/87		83	62	--	98	64	72	68			
5/13/87		86	64	--	98	58	72	68			
5/14/87		86	64	--	98	50	76	66			
5/15/87		84	64	--	98	45	78	66			
5/16/87		86	60	--	98	58	78	68			
5/17/87		88	65	--	98	46	78	68			
5/18/87		86	68	--	98	60	78	68			
5/19/87		89	68	--	98	68	79	70			
5/20/87		91	78	--	98	68	80	74			
5/21/87		92	68	--	98	62	80	72			
5/22/87		91	65	--	98	64	81	75			
5/23/87		90	65	--	98	72	80	76			
5/24/87		84	62	--	98	72	80	76			
5/25/87		86	66	.50	100	48	82	76			
5/26/87		85	65	--	98	52	82	78			
5/27/87		91	66	--	98	62	82	72			
5/28/87		90	64	--	98	32	84	76			
5/29/87		92	64	--	98	34	84	78			
5/30/87		91	66	.51	98	72	84	76			
5/31/87		85	66	.17	98	54	82	76			

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SUMMARY

AVERAGES

FOR PERIOD

ACCUMULATIONS

FOR PERIOD

STATION	TEMP			RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	PER AVG	HI	LO	GRASS		BARE						
	HI	LO	AVG	HI	LO	HI	LO	HI	LO			50	DEG.	DEG.
PRINCETON	84	61	73	98	55	76	68			1.58		683	13	248

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL	
	HI	LO		HI	LO	GRASS		BARE						
	HI	LO		HI	LO	HI	LO	HI	LO			50	DEG.	DEG.
PRINCETON	92	45	.51	100	22	84	58					32	5	20

III B. June Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP	
		HI	LO		HI	LO	GRASS		BARE			
								HI	LO	HI	LO	
6/ 1/87		85	64	.07	98	72	84	78				
6/ 2/87		90	72	--	98	60	84	76				
6/ 3/87		90	68	--	98	72	84	74				
6/ 4/87		84	52	--	98	30	76	74				
6/ 5/87		83	54	--	98	32	84	76				
6/ 6/87		90	52	--	98	20	84	74				
6/ 7/87		90	55	--	96	28	84	74				
6/ 8/87		91	64	--	96	18	84	76				
6/ 9/87		94	65	--	96	32	86	78				
6/10/87		92	66	.29	96	71	86	74				
6/11/87		92	68	TRACE	96	70	86	74				
6/12/87		89	76	--	98	62	84	70				
6/13/87		94	65	.25	98	42	84	72				
6/14/87		95	64	TRACE	96	34	84	72				
6/15/87		92	72	--	98	50	84	74				
6/16/87		91	69	.17	96	52	84	76				
6/17/87		91	68	.49	98	50	84	76				
6/18/87		89	66	.36	98	62	84	76				
6/19/87		89	68	2.08	100	58	84	72				
6/20/87		88	72	TRACE	98	48	84	72				
6/21/87		86	70	.06	98	72	84	72				
6/22/87		90	70	--	90	58	84	74				
6/23/87		93	70	--	98	52	84	76				
6/24/87		92	68	2.89	98	92	86	78				
6/25/87		85	65	.42	100	72	84	76				
6/26/87		90	68	.05	98	38	84	78				
6/27/87		84	56	--	98	28	84	72				
6/28/87		84	58	--	98	50	85	74				
6/29/87		90	71	--	98	50	85	76				
6/30/87		90	68	TRACE	98	52	82	76				

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AVERAGES	SUMMARY									
	FOR PERIOD					ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL	
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.
				HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	89	65	78	97	51	84	75	7.13	770	380

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	95	52	2.89	100	18	86	70	31		18

III B. July Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	HI	LO
7/ 1/87		87	68	1.00	99	50	82	77			
7/ 2/87		85	66	--	99	50	82	75			
7/ 3/87		85	66	TRACE	99	86	82	75			
7/ 4/87		88	68	--	68	58	83	76			
7/ 5/87		87	66	2.35	89	70	84	75			
7/ 6/87		92	68	.04	99	42	82	76			
7/ 7/87		90	69	.13	98	52	84	78			
7/ 8/87		89	68	.16	100	60	84	76			
7/ 9/87		88	73	.06	100	80	84	74			
7/10/87		85	71	--	98	76	84	74			
7/11/87		92	73	--	98	56	84	76			
7/12/87		90	73	.10	92	75	84	75			
7/13/87		85	72	.63	94	72	84	78			
7/14/87		80	59	--	96	42	82	76			
7/15/87		82	58	--	98	42	81	75			
7/16/87		91	62	--	98	40	82	78			
7/17/87		92	64	--	98	32	84	76			
7/18/87		93	68	--	98	44	85	78			
7/19/87		92	69	--	99	38	85	79			
7/20/87		93	68	--	92	36	86	80			
7/21/87		94	70	--	96	40	86	82			
7/22/87		92	70	TRACE	96	54	86	80			
7/23/87		90	68	.21	98	60	84	78			
7/24/87		90	67	--	97	62	85	79			
7/25/87		91	69	--	99	60	84	78			
7/26/87		93	71	--	98	51	85	80			
7/27/87		95	73	--	98	50	86	82			
7/28/87		94	68	.20	98	60	84	80			
7/29/87		92	69	1.17	98	58	86	82			
7/30/87		90	73	.04	98	60	88	80			
7/31/87		93	70	--	98	50	88	82			

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AVERAGES	SUMMARY										
	FOR PERIOD					ACCUMULATIONS					FOR PERIOD
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL		
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.	
				HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	90	68	79	96	55	84	78	6.09	842	443	

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
			HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	95	58	2.35	100	32	88	74	30	19	

III B. August Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
8/ 1/87		95	72	--	98	58	88	80			
8/ 2/87		97	74	--	99	48	86	80			
8/ 3/87	101	78	.03	100	46	88	82				
8/ 4/87		94	72	.38	100	64	84	82			
8/ 5/87		85	73	--	96	48	82	80			
8/ 6/87		89	66	--	96	44	83	76			
8/ 7/87		90	68	--	98	62	84	78			
8/ 8/87		95	64	--	96	32	84	72			
8/ 9/87		96	73	.66	96	52	82	76			
8/10/87		94	68	1.06	96	62	81	74			
8/11/87		85	65	--	98	52	88	76			
8/12/87		89	68	--	98	46	84	78			
8/13/87		91	75	--	98	52	84	80			
8/14/87		92	73	--	96	46	84	78			
8/15/87		92	71	--	96	40	84	80			
8/16/87		93	70	--	94	50	83	79			
8/17/87		92	77	.10	98	48	83	78			
8/18/87		89	66	--	96	52	84	76			
8/19/87		89	69	--	96	32	82	76			
8/20/87		94	63	--	92	32	84	76			
8/21/87		96	68	--	96	40	84	78			
8/22/87		98	74	--	99	40	85	80			
8/23/87		96	61	1.34	98	30	85	80			
8/24/87		83	62	--	86	35	80	75			
8/25/87		92	62	--	92	40	85	74			
8/26/87		93	72	--	99	40	85	77			
8/27/87		93	72	--	99	58	85	77			
8/28/87		85	65	.12	96	56	85	76			
8/29/87		88	56	--	96	44	82	76			
8/30/87		83	56	--	96	30	78	72			
8/31/87		84	58	--	90	36	78	72			

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SUMMARY

AVERAGES

FOR PERIOD

ACCUMULATIONS

FOR PERIOD

STATION	TEMP			RH		SOILTEMP				PCPN	EVAP	GDD	HEAT	COOL
	HI	LO	PER AVG	HI	LO	GRASS	BARE	HI	LO					
PRINCETON	91	68	80	96	46	84	77			3.69		838		466

EXTREMES FOR PERIOD

STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL
	HI	LO		HI	LO	GRASS	BARE	HI	LO				
PRINCETON	101	56	1.34	100	30	88	72				32		25

III B. September Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
	HI	LO		HI	LO	HI	LO	HI	LO	
9/ 1/87	81	48	--	96	20	76	70			
9/ 2/87	88	48	--	98	30	76	69			
9/ 3/87	89	58	--	95	35	75	70			
9/ 4/87	93	58	--	95	30	79	70			
9/ 5/87	92	63	--	96	32	79	72			
9/ 6/87	90	63	--	98	34	79	72			
9/ 7/87	90	68	.29	100	72	80	76			
9/ 8/87	84	68	--	96	50	82	78			
9/ 9/87	88	62	--	96	42	80	76			
9/10/87	89	67	.43	100	30	78	72			
9/11/87	88	66	--	96	54	76	70			
9/12/87	88	63	--	100	65	77	75			
9/13/87	88	64	--	95	35	82	75			
9/14/87	90	59	--	98	30	78	72			
9/15/87	90	64	--	95	45	81	78			
9/16/87	85	65	.38	95	64	79	74			
9/17/87	88	66	.50	100	50	75	73			
9/18/87	87	61	--	98	45	76	73			
9/19/87	78	62	TRACE	98	32	77	74			
9/20/87	80	52	--	98	28	76	70			
9/21/87	76	50	--	100	40	73	49			
9/22/87	74	47	--	96	30	74	68			
9/23/87	72	47	--	98	44	72	65			
9/24/87	80	45	--	98	30	70	64			
9/25/87	82	51	--	98	34	70	65			
9/26/87	86	51	--	96	28	70	66			
9/27/87	85	54	--	98	28	71	66			
9/28/87	88	62	--	98	32	71	68			
9/29/87	85	62	.68	98	40	72	66			
9/30/87	77	51	--	98	30	70	65			

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AVERAGES	SUMMARY									
	FOR PERIOD					ACCUMULATIONS				
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL	
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.
	HI	LO		HI	LO	HI	LO	MOD	DAYS	DAYS
PRINCETON	85	58	72	97	39	76	70	2.28	636	14 219

STATION	EXTREMES FOR PERIOD									
	TEMP	PCPN	RH	SOILTEMP	EVAP	GDD	HEAT	COOL		
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.	
	HI	LO	HI	LO	HI	LO	MOD	DAYS	DAYS	
PRINCETON	93	45	.68	100	20	82	49	27	5	14

IV. HERBICIDES IN REPORT

CHEMICAL/COMMON	TRADE NAME	COMPANY
2,4-D AMINE	FORMULA 40, WEEDAR 64	VERTAC, RHONE POULENC
2,4-DB	BUTYRAC 200	RHONE POULENC
2,4-D ESTER	ESTERON 99 10-34-0	VERTAC
ACIFLUORFEN 1	BLAZER 2L	BASF
ACIFLUORFEN 2	TACKLE	RHONE POULENC
ALACHLOR	LASSO 4E, 4MT	MONSANTO
ALACHLOR + ATRAZINE	LASSO/ATRAZINE	MONSANTO
ALACHLOR + GLYPHOSATE	BRONCO (LASSO 2.5 + ROUNDUP 1.5)	MONSANTO
ALACHLOR + IMAZAQUIN	PARTNER	MONSANTO, AMER. CYAN.
AMMONIUM SULFATE		
ATRAZINE	ATRAZINE (DUPONT), AATREX, AATREX NINE-0	DUPONT, CIBA GEIGY
BAS 517		BASF
BENAZOLIN		NORAM
BENEFIN	BALAN	ELANCO
BENTAZON	BASAGRAN	BASF
BENTAZON + ACIFLUORFEN	STORM	BASF
BROMOXYNIL 2	BUCTRIL	RHONE POULENC
BROMOXYNIL + ATRAZINE	BUCTRIL/ATRAZINE PGK.	RHONE POULENC
BUTYLATE + R25788	SUTAN +	STAUFFER
CGA 180937		CIBA GEIGY
CHLORIMURON	CLASSIC	DUPONT
CHLORIMURON + LINURON	GEMINI	DUPONT
CHLORIMURON+METRIBUZIN	CANOPY	DUPONT
CINMETHYLIN	CINCH	DUPONT
CYANAZINE	BLADEX 4L, 80W	DUPONT
CYANAZINE + ATRAZINE	EXTRAZINE	DUPONT
CROP OIL CONCENTRATE	AMOCO, PEPTOIL, TORCH	
DAX		BASF
DICAMBA	BANVEL	SANDOZ
DICAMBA + ATRAZINE	MARKSMAN	SANDOZ
DIPHENAMID	ENIDE	NORAM
DPX 32054		DUPONT
DPX L8348	PREVIEW	DUPONT
DPX M6316 (THIAMETURON)	HARMONY	DUPONT
DPX 8259	GEMINI	DUPONT
DPX R8260	LOROX PLUS	DUPONT
EPTC + R25788	ERADICANE	STAUFFER
ETHALFLURALIN	SONALAN	ELANCO
FENOXAPROP	WHIP	AMERICAN HOECHST
FMC 57020 (CLOMAZONE)	COMMAND	FMC
FLUAZIFOP-BUTYL	FUSILADE, FUSILADE 2000	ICI
FOMESAFEN	REFLEX	ICI
GLYPHOSATE	ROUNDUP	MONSANTO
HALOXYFOP	VERDICT	DOW
HOE 39866	IGNITE	AMERICAN HOECHST
IMAZAQUIN	SCEPTER	AMERICAN CYANAMID
IMAZETHAPYR	PURSUIT	AMERICAN CYANAMID
ISOPROPALIN	PAARLAN	ELANCO
KY 1000		
KY 2000		

IV. HERBICIDES (continued)

LACTOFEN	COBRA	PPG
LINURON	LOROX	DUPONT
LIQUID FERTILIZER	28% NITROGEN	
METALACHLOR	DUAL	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP 6L,6LD	CIBA GEIGY
METALACHLOR+METRIBUZIN	TURBO	MOBAY
METALACHLOR/HOE 39866	DUAL/IGNITE PKG.	CIBA GIEGY
METRIBUZIN 1	SENCOR 4L,75DF	MOBAY
METRIBUZIN 1 OR 2	METRIBUZIN	
METRIBUZIN 2	LEXONE 4L,75DF	DUPONT
NAPROPAMIDE	DEVRIKOL	STAUFFER
NAPTALAM + 2,4-DB	RESCUE	UNIROYAL
ORYZALIN	SURFLAN	ELANCO
PARAQUAT	GRAMOXONE	ICI
PARAQUAT + ATRAZINE	COLONEL	ICI
PARAQUAT+METRI.+LINURON	PRELUDE	ICI
PARAQUAT + SIMAZINE	BRIT	ICI
PEBULATE	TILLAM	STAUFFER
PENDIMETHALIN	PROWL	AMERICAN CYANAMID
PENDIMETH. + IMAZAQUIN	SQUADRON	AMERICAN CYANAMID
PPG 1259		PPG
PPG 4000		PPG
RE 45601 (CLETHODIM)	SELECT	CHEVRON
RS 012		RIVERSIDE TERRA
RS 105		RIVERSIDE TERRA
SAN 825H		SANDOZ
SAN DCA1		SANDOZ
SC 0051		STAUFFER
SC 0735		STAUFFER
SC 0774		STAUFFER
SC 5676 + R25788		STAUFFER
SETHOXYDIM	POAST	BASF
SIMAZINE	PRINCEP	CIBA GEIGY
SURFACTANT	X-77,TRITON AG 98	
TRIDIPHANE	TANDEM	DOW
TRIFLURALIN	TREFLAN	ELANCO
TRIFLURALIN+METRIBUZIN	SALUTE	MOBAY
TRIFLURALIN+FMC 57020	COMMENCE	ELANCO,FMC
VARIQUAT		NORAM
QUIZALAFOP	ASSURE	DUPONT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----								
					GRAS	BRLE	CRIN	LACG	GIFT	COLO	ILMG	RRPW	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	50	0	92	92	75	42	80	38
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	0	95	95	100	95	98	98
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
3A	ALACHLOR	4.00 MT	5.000 LB/AC	PRE	100	95	0	100	100	98	95	100	100
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	98	90	88	82	92	85
4B	CYANAZINE	4.00 L	1.500 LB/AC	PRE									
5	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	88	58	0	95	88	68	48	82	45
6A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	90	90	0	95	90	100	92	98	92
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
7A	METOLACHLOR	8.00 E	4.000 LB/AC	PRE	90	92	0	95	90	100	92	100	98
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
8A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	88	92	0	90	88	100	92	100	100
8B	PPG 4000	4.80 FL	.900 LB/AC	PRE									
9A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	90	90	0	92	90	92	90	95	90
9B	PPG 1259	3.00 FL	.150 LB/AC	PRE									
9C	CYANAZINE	4.00 L	1.500 LB/AC	PRE									
10	ATRAZINE	4.00 L	1.000 LB/AC	PRE	30	92	0	30	30	100	90	98	98
11	ATRAZINE	4.00 L	2.000 LB/AC	PRE	55	92	0	55	62	100	92	98	92
12A	ATRAZINE	4.00 L	2.250 LB/AC	PRE	82	98	0	88	82	100	100	100	95
12B	CYANAZINE	4.00 L	.750 LB/AC	PRE									
13	CYANAZINE	4.00 L	2.000 LB/AC	PRE	80	82	0	82	80	85	85	92	92
14	CYANAZINE	4.00 L	3.000 LB/AC	PRE	92	88	0	95	92	92	88	95	90
15	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	90	95	0	95	90	100	95	100	100
16A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	82	92	0	88	82	98	95	98	95
16B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----									
					GRAS	BRLE	CRIN	LACG	GIFT	COLQ	ILMG	RRPW	VELE	
17A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	90	90	0	90	90	95	88	98	98	
17B	CYANAZINE	4.00 L	2.000 LB/AC	PRE										
18	CYANAZINE + ATRAZINE	4.00 L	2.000 LB/AC	PRE	65	95	0	68	65	100	95	98	95	
19A	CYANAZINE + ATRAZINE	4.00 L	1.330 LB/AC	PRE	78	90	0	82	75	100	90	98	98	
19B	ATRAZINE	4.00 L	.660 LB/AC	PRE										
20A	CYANAZINE + ATRAZINE	4.00 L	2.000 LB/AC	PRE	88	100	0	88	88	100	100	100	100	
20B	ATRAZINE	4.00 L	1.000 LB/AC	PRE										
21A	CGA 180937	7.80 EC	2.000 LB/AC	PRE	90	92	0	95	90	100	92	100	95	
21B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
22A	CGA 180937	7.80 EC	4.000 LB/AC	PRE	90	92	0	92	90	100	92	98	95	
22B	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
23A	RS-012	3.75 EC	.940 LB/AC	PRE	52	92	0	58	50	100	95	100	92	
23B	ATRAZINE	90.00 WDG	1.500 LB/AC	PRE										
24A	RS-012	3.75 EC	.940 LB/AC	PRE	80	70	0	82	80	75	72	72	68	
24B	CYANAZINE	80.00 WP	1.500 LB/AC	PRE										
25A	SC 0735	75.00 WP	.500 LB/AC	PRE	82	90	0	85	85	98	90	95	92	
25B	R-29148	2.00 E	.083 LB/AC	PRE										
25C	ATRAZINE	4.00 L	1.000 LB/AC	PRE										
26A	SC 0735	75.00 WP	.750 LB/AC	PRE	88	95	0	90	90	100	95	100	100	
26B	R-29148	2.00 E	.125 LB/AC	PRE										
26C	ATRAZINE	4.00 L	1.000 LB/AC	PRE										
27A	SC 0774	75.00 WP	.380 LB/AC	PRE	55	90	0	58	55	98	90	95	92	
27B	R-29148	2.00 E	.063 LB/AC	PRE										
27C	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
28A	SC 0774	75.00 WP	.500 LB/AC	PRE	78	95	0	85	78	100	95	100	95	
28B	R-29148	2.00 E	.083 LB/AC	PRE										
28C	ATRAZINE	4.00 L	1.500 LB/AC	PRE										
29A	SC 0774	75.00 WP	.750 LB/AC	PRE	88	92	0	90	88	98	92	98	98	
29B	R-29148	2.00 E	.125 LB/AC	PRE										
29C	ATRAZINE	4.00 L	1.500 LB/AC	PRE										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----									
					GRAS	BRLE	CRIN	LACG	GIFT	COLQ	ILMG	RRPW	VELE	
30A	SC 0774	75.00 WP	.750 LB/AC PRE		90	92	0	92	92	100	92	98	100	
30B	R-29148	2.00 E	.250 LB/AC PRE											
30C	ATRAZINE	4.00 L	1.500 LB/AC PRE											
31A	SC 0774	75.00 WP	1.000 LB/AC PRE		85	98	0	90	88	100	98	100	100	
31B	R-29148	2.00 E	.166 LB/AC PRE											
31C	ATRAZINE	4.00 L	1.500 LB/AC PRE											
32A	SC 0774	75.00 WP	1.000 LB/AC PRE		90	95	0	92	90	100	95	100	98	
32B	R-29148	2.00 E	.330 LB/AC PRE											
32C	ATRAZINE	4.00 L	1.500 LB/AC PRE											
33A	SC 0774	75.00 WP	1.250 LB/AC PRE		92	92	0	98	92	100	92	100	100	
33B	R-29148	2.00 E	.208 LB/AC PRE											
33C	ATRAZINE	4.00 L	1.500 LB/AC PRE											
34	SAN 825H	4.67 FL	3.500 LB/AC PRE		82	98	0	88	82	100	100	100	98	
35	SAN DCA1	4.67 FL	3.500 LB/AC PRE		88	95	0	88	88	100	100	98	92	
36	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100	
			LSD(05):		13	10	0	15	13	12	12	NS	16	

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.3 O.M.: 3.3%
 DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 6
 VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 14-----						
					CRIN	LACG	GIFT	COLO	ILMG	RRPW	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	85	55	35	78	38
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	88	95	82	92	92
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
3A	ALACHLOR	4.00 MT	5.000 LB/AC	PRE	0	90	90	98	88	100	98
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	85	82	60	92	82
4B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
5	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	90	85	58	38	75	38
6A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	90	80	100	85	95	90
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
7A	METOLACHLOR	8.00 E	4.000 LB/AC	PRE	0	90	85	98	78	95	92
7B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
8A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	82	78	98	78	100	95
8B	PPG 4000	4.80 FL	.900 LB/AC	PRE							
9A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	90	82	85	78	92	85
9B	PPG 1259	3.00 FL	.150 LB/AC	PRE							
9C	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
10	ATRAZINE	4.00 L	1.000 LB/AC	PRE	0	25	25	98	85	98	95
11	ATRAZINE	4.00 L	2.000 LB/AC	PRE	0	52	55	98	88	95	92
12A	ATRAZINE	4.00 L	2.250 LB/AC	PRE	0	78	70	95	90	100	95
12B	CYANAZINE	4.00 L	.750 LB/AC	PRE							
13	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	72	65	80	72	92	85
14	CYANAZINE	4.00 L	3.000 LB/AC	PRE	0	90	88	88	80	95	82
15	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	0	90	82	98	85	100	98
16A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	0	85	78	95	88	95	92
16B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 14-----						
					CRIN	LACG	GIFT	COLQ	IIMG	RRPW	VELE
17A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	0	90	82	92	75	98	92
17B	CYANAZINE	4.00 L	2.000 LB/AC	PRE							
18	CYANAZINE + ATRAZINE	4.00 L	2.000 LB/AC	PRE	0	58	52	95	90	98	90
19A	CYANAZINE + ATRAZINE	4.00 L	1.330 LB/AC	PRE	0	75	60	100	88	95	92
19B	ATRAZINE	4.00 L	.660 LB/AC	PRE							
20A	CYANAZINE + ATRAZINE	4.00 L	2.000 LB/AC	PRE	0	85	80	98	85	98	98
20B	ATRAZINE	4.00 L	1.000 LB/AC	PRE							
21A	CGA 180937	7.80 EC	2.000 LB/AC	PRE	0	92	82	95	82	98	88
21B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
22A	CGA 180937	7.80 EC	4.000 LB/AC	PRE	0	92	85	100	80	95	95
22B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
23A	RS-012	3.75 EC	.940 LB/AC	PRE	0	52	40	92	85	100	88
23B	ATRAZINE	90.00 WDG	1.500 LB/AC	PRE							
24A	RS-012	3.75 EC	.940 LB/AC	PRE	0	75	72	75	62	72	65
24B	CYANAZINE	80.00 WP	1.500 LB/AC	PRE							
25A	SC 0735	75.00 WP	.500 LB/AC	PRE	0	80	75	90	75	95	92
25B	R-29148	2.00 E	.083 LB/AC	PRE							
25C	ATRAZINE	4.00 L	1.000 LB/AC	PRE							
26A	SC 0735	75.00 WP	.750 LB/AC	PRE	0	90	82	98	82	100	98
26B	R-29148	2.00 E	.125 LB/AC	PRE							
26C	ATRAZINE	4.00 L	1.000 LB/AC	PRE							
27A	SC 0774	75.00 WP	.380 LB/AC	PRE	0	50	50	95	82	95	90
27B	R-29148	2.00 E	.063 LB/AC	PRE							
27C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
28A	SC 0774	75.00 WP	.500 LB/AC	PRE	0	72	65	98	90	98	92
28B	R-29148	2.00 E	.083 LB/AC	PRE							
28C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
29A	SC 0774	75.00 WP	.750 LB/AC	PRE	0	88	78	92	82	98	98
29B	R-29148	2.00 E	.125 LB/AC	PRE							
29C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 14-----						
					CRIN	LACG	GIFT	COLQ	ILMG	RRPW	VELE
30A	SC 0774	75.00 WP	.750 LB/AC	PRE	0	88	82	98	82	98	98
30B	R-29148	2.00 E	.250 LB/AC	PRE							
30C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
31A	SC 0774	75.00 WP	1.000 LB/AC	PRE	0	85	80	95	85	100	98
31B	R-29148	2.00 E	.166 LB/AC	PRE							
31C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
32A	SC 0774	75.00 WP	1.000 LB/AC	PRE	0	88	80	95	85	100	95
32B	R-29148	2.00 E	.330 LB/AC	PRE							
32C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
33A	SC 0774	75.00 WP	1.250 LB/AC	PRE	0	98	88	98	85	100	98
33B	R-29148	2.00 E	.208 LB/AC	PRE							
33C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
34	SAN 825H	4.67 FL	3.500 LB/AC	PRE	0	80	72	100	92	100	98
35	SAN DCA1	4.67 FL	3.500 LB/AC	PRE	0	80	72	100	92	98	92
36	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
			LSD (05):		0	14	12	13	13	15	17

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.3 O.M.: 3.3%

DATE PLANTED: MAY 6 DATE TREATED: PRE MAY 6

VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 14-----										
					GRAS	BRLE	CRIN	GIFT	GRFT	JIWE	COLQ	ILMG	TAMG	RRPW	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	92	65	0	92	92	88	88	62	62	88	58
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	95	92	0	95	95	100	100	92	98	100	98
2B	ATRAZINE	4.00 L	1.500 LB/AC	PPI											
3	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	98	62	0	98	98	92	90	65	62	92	60
4A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	95	95	0	95	98	100	98	95	98	98	100
4B	ATRAZINE	4.00 L	1.500 LB/AC	PPI											
5A	EPTC + R-25788	6.70 E	4.000 LB/AC	PPI	92	95	0	92	92	98	100	98	98	100	100
5B	ATRAZINE	4.00 L	1.500 LB/AC	PPI											
6A	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI	92	95	0	92	92	100	100	100	100	95	95
6B	ATRAZINE	4.00 L	1.500 LB/AC	PPI											
7	BUTYLATE+ PK MIX ATR	5.50 E	4.500 LB/AC	PPI	90	98	0	90	90	100	98	98	98	100	100
8	SC 5676 + R25788	7.00 E	2.000 LB/AC	PPI	100	88	0	100	100	100	95	88	88	100	98
9	SC 5676 + R25788	7.00 E	4.000 LB/AC	PPI	100	88	0	100	100	100	100	88	90	98	100
10	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100	100	100
			LSD(05):		6	7	0	6	5	6	4	7	7	5	6

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.3 O.M.: 3.3%
 DATE PLANTED: MAY 6 DATE TREATED: PPI MAY 6
 VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 14-----								
					CRIN	GIFT	GRFT	JIWE	COLO	ILMG	TAMG	RRPW	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	90	90	85	78	60	60	88	58
2A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	92	92	100	100	85	92	98	92
2B	ATRAZINE	4.00 L	1.500 LB/AC PPI										
3	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	95	95	92	85	62	60	90	60
4A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	92	92	100	98	88	90	98	98
4B	ATRAZINE	4.00 L	1.500 LB/AC PPI										
5A	EPTC + R-25788	6.70 E	4.000 LB/AC PPI		0	88	88	92	98	90	92	100	100
5B	ATRAZINE	4.00 L	1.500 LB/AC PPI										
6A	BUTYLATE + R-25788	6.70 E	4.000 LB/AC PPI		0	85	88	100	98	92	92	95	95
6B	ATRAZINE	4.00 L	1.500 LB/AC PPI										
7	BUTYLATE+ PK MIX ATR	5.50 E	4.500 LB/AC PPI		0	82	85	95	98	88	90	100	100
8	SC 5676 + R25788	7.00 E	2.000 LB/AC PPI		0	92	100	100	92	78	85	100	98
9	SC 5676 + R25788	7.00 E	4.000 LB/AC PPI		0	92	98	100	100	75	82	95	98
10	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100	100	100
			LSD (05):		0	6	8	9	7	7	7	6	8

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.3 O.M.: 3.3%
 DATE PLANTED: MAY 6 DATE TREATED: PPI MAY 6
 VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	FAPA	JIWE	COLQ	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	100	0	82	72	100	100	100
1B	ATRAZINE	4.00 L	1.500 LB/AC	EP								
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	48	85	0	48	92	92	100	90
2B	2,4-D AMINE	4.00 E	.500 LB/AC	EP								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	60	100	0	60	95	100	100	98
3B	DICAMBA	4.00 S	.500 LB/AC	EP								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	35	100	0	35	90	100	100	100
4B	BROMOXYNIL 2	2.00 E	.380 LB/AC	EP								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	38	100	0	48	70	100	100	100
5B	BROMOXYNIL	1.00 E	.188 LB/AC	MP								
5C	WITH ATRAZINE	2.00 L	.380 LB/AC	MP								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	48	100	0	52	82	100	100	100
6B	BROMOXYNIL	1.00 E	.250 LB/AC	MP								
6C	WITH ATRAZINE	2.00 L	.500 LB/AC	MP								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	72	100	0	72	98	100	100	100
7B	BROMOXYNIL	1.00 E	.380 LB/AC	MP								
7C	WITH ATRAZINE	2.00 L	.750 LB/AC	MP								
8A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	95	38	0	95	95	60	52	98
8B	CINMETHYLIN	7.00 EC	1.000 LB/AC	EP								
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
9A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	45	0	100	100	78	48	98
9B	CINMETHYLIN	7.00 EC	1.250 LB/AC	EP								
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
10A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	98	100	0	98	100	100	100	100
10B	CINMETHYLIN	7.00 EC	1.000 LB/AC	EP								
10C	ATRAZINE	4.00 L	1.000 LB/AC	EP								
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
11A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	100	0	100	100	100	100	100
11B	CINMETHYLIN	7.00 EC	1.250 LB/AC	EP								
11C	ATRAZINE	4.00 L	1.000 LB/AC	EP								
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	52	100	0	52	85	100	100	100
12B	BENTAZON + ATRAZINE	3.20 L	1.000 LB/AC	MP								
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	FAPA	JIWE	COLQ	VELE
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	40	100	0	40	88	100	100	100
13B	DPX M6316	75.00 DF	.016 LB/AC	4LF								
13C	X-77 (SURFACTANT)	.50 WA	.125 %	4LF								
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	25	100	0	25	90	100	100	100
14B	DPX M6316	75.00 DF	.016 LB/AC	4LF								
14C	X-77 (SURFACTANT)	.50 WA	.250 %	4LF								
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	12	100	2	12	72	100	100	100
15B	DPX M6316	75.00 DF	.030 LB/AC	4LF								
15C	X-77 (SURFACTANT)	.50 WA	.125 %	4LF								
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	18	100	5	18	92	100	100	100
16B	DPX M6316	75.00 DF	.030 LB/AC	4LF								
16C	X-77 (SURFACTANT)	.50 WA	.250 %	4LF								
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	60	100	0	60	95	100	100	100
17B	BENAZOLIN	4.00 F	.250 LB/AC	MP								
17C	ATRAZINE	4.00 L	.500 LB/AC	MP								
17D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	48	100	0	48	92	100	100	100
18B	BENAZOLIN	4.00 F	.250 LB/AC	MP								
18C	ATRAZINE	4.00 L	.500 LB/AC	MP								
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	65	100	0	65	92	100	100	100
19B	PPG 4000	4.80 FL	.600 LB/AC	5LF								
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	100	2	90	98	100	100	100
20B	PPG 1259	3.00 FL	.100 LB/AC	5LF								
20C	CYANAZINE	80.00 WP	1.000 LB/AC	5LF								
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	75	100	0	85	95	100	100	100
21B	PPG 1259	3.00 FL	.100 LB/AC	5LF								
21C	2,4-D AMINE	4.00 E	.250 LB/AC	5LF								
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	42	95	0	42	92	100	100	92
22B	RS-105	60.00 WP	1.050 LB/AC	EP								
23A	ATRAZINE	4.00 L	1.500 LB/AC	EP	20	100	0	75	22	100	100	98
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
24A	ATRAZINE	4.00 L	2.000 LB/AC	EP	30	100	0	95	30	100	100	100
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	FAPA	JIWE	COLO	VELE
25A	ATRAZINE	4.00 L	2.000 LB/AC	LP	10	100	0	22	42	100	100	100
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
26A	ATRAZINE	4.00 L	2.000 LB/AC	LP	20	100	0	82	20	100	100	100
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
26C	ATRAZINE	4.00 L	2.000 LB/AC	+7D								
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D								
27A	PENDIMETHALIN	4.00 E	1.500 LB/AC	SPK	88	100	0	90	90	100	100	100
27B	ATRAZINE	4.00 L	1.500 LB/AC	SPK								
28A	PENDIMETHALIN	4.00 E	1.500 LB/AC	3LF	30	100	0	45	45	100	100	100
28B	ATRAZINE	4.00 L	1.500 LB/AC	3LF								
29A	PENDIMETHALIN	4.00 E	1.500 LB/AC	SPK	95	100	0	95	98	100	100	100
29B	CYANAZINE	80.00 WP	2.000 LB/AC	SPK								
30A	PENDIMETHALIN	4.00 E	1.500 LB/AC	3LF	58	100	2	82	62	100	100	100
30B	CYANAZINE	80.00 WP	2.000 LB/AC	3LF								
31	CYANAZINE	80.00 WP	2.000 LB/AC	EP	58	42	0	68	72	100	52	58
32A	TRIDIPHANE	4.00 E	.500 LB/AC	EP	95	100	0	100	95	100	100	100
32B	ATRAZINE	4.00 L	1.500 LB/AC	EP								
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
33A	TRIDIPHANE	4.00 E	.500 LB/AC	LP	12	100	0	60	18	100	100	100
33B	ATRAZINE	4.00 L	2.000 LB/AC	LP								
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
34A	TRIDIPHANE	4.00 E	.500 LB/AC	LP	25	100	0	68	28	100	100	100
34B	ATRAZINE	4.00 L	2.000 LB/AC	LP								
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
34D	ATRAZINE	4.00 L	1.000 LB/AC	+7D								
34E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D								
35A	TRIDIPHANE	4.00 E	.500 LB/AC	EP	98	100	0	98	100	100	100	100
35B	CYANAZINE	80.00 WP	1.600 LB/AC	EP								
36A	TRIDIPHANE	4.00 E	.500 LB/AC	EP	100	100	0	100	100	100	100	100
36B	CYANAZINE	80.00 WP	.800 LB/AC	EP								
36C	ATRAZINE	4.00 L	.800 LB/AC	EP								
37	DICAMBA	4.00 S	.250 LB/AC	MP	10	100	0	20	45	100	100	100

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	FAPA	JIWE	COLQ	VELE
38	DICAMBA	4.00 S	.380 LB/AC	MP	10	100	2	10	40	100	100	100
39	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP	12	100	0	48	30	100	100	100
40A	SC 0735	75.00 WP	.250 LB/AC	2LF	98	100	0	98	98	100	100	100
40B	ATRAZINE	4.00 L	1.000 LB/AC	2LF								
40C	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
41A	SC 0735	75.00 WP	.380 LB/AC	2LF	98	100	0	100	98	100	100	100
41B	ATRAZINE	4.00 L	1.000 LB/AC	2LF								
41C	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
42A	SC 0051	3.00 E	.250 LB/AC	2LF	12	100	0	12	65	100	100	100
42B	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
43A	SC 0051	3.00 E	.500 LB/AC	2LF	12	100	0	18	75	100	100	100
43B	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
44A	SC 0051	3.00 E	.250 LB/AC	2LF	32	100	0	85	30	100	100	100
44B	ATRAZINE	4.00 L	1.000 LB/AC	2LF								
44C	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
45A	SC 0051	3.00 E	.500 LB/AC	2LF	58	100	0	82	52	100	100	100
45B	ATRAZINE	4.00 L	1.000 LB/AC	2LF								
45C	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
46A	SC 0051	3.00 E	.750 LB/AC	2LF	62	100	0	92	62	100	100	100
46B	ATRAZINE	4.00 L	1.000 LB/AC	2LF								
46C	TWEEN 20 (SURFACTANT	.00 WA	.250 %	2LF								
47	SAN 825H	4.67 FL	2.330 LB/AC	EP	22	100	0	58	40	100	100	100
48	SAN DCA1	4.67 FL	2.330 LB/AC	EP	22	100	0	62	25	100	100	100
49	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
LSD(05):					23	11	NS	21	19	10	8	10

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 6
 VARIETY: PIONEER 3320

SOIL TYPE: MAURY SILT LOAM
 PH: 6.4 O.M.: 4.4%
 DATE TREATED: PRE MAY 6
 SPK MAY 13
 EP, 2LF MAY 18
 3LF MAY 20
 4LF MAY 22
 MP, 5LF MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	FAPA	JIWE	COLQ
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	75	68	100	100
1B	ATRAZINE	4.00 L	1.500 LB/AC	EP					
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	45	88	92	98
2B	2,4-D AMINE	4.00 E	.500 LB/AC	EP					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	55	95	100	100
3B	DICAMBA	4.00 S	.500 LB/AC	EP					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	38	88	100	100
4B	BROMOXYNIL 2	2.00 E	.380 LB/AC	EP					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	45	72	100	100
5B	BROMOXYNIL	1.00 E	.188 LB/AC	MP					
5C	WITH ATRAZINE	2.00 L	.380 LB/AC	MP					
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	50	78	100	100
6B	BROMOXYNIL	1.00 E	.250 LB/AC	MP					
6C	WITH ATRAZINE	2.00 L	.500 LB/AC	MP					
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	65	98	100	100
7B	BROMOXYNIL	1.00 E	.380 LB/AC	MP					
7C	WITH ATRAZINE	2.00 L	.750 LB/AC	MP					
8A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	0	92	98	62	50
8B	CINMETHYLIN	7.00 EC	1.000 LB/AC	EP					
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
9A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	0	100	100	80	38
9B	CINMETHYLIN	7.00 EC	1.250 LB/AC	EP					
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
10A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	0	98	98	100	100
10B	CINMETHYLIN	7.00 EC	1.000 LB/AC	EP					
10C	ATRAZINE	4.00 L	1.000 LB/AC	EP					
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
11A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	0	100	100	100	100
11B	CINMETHYLIN	7.00 EC	1.250 LB/AC	EP					
11C	ATRAZINE	4.00 L	1.000 LB/AC	EP					
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	50	85	100	100
12B	BENTAZON + ATRAZINE	3.20 L	1.000 LB/AC	MP					
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	FAPA	JIWE	COLQ
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	25	85	100	100
13B	DPX M6316	75.00 DF	.016 LB/AC	4LF					
13C	X-77 (SURFACTANT)	.50 WA	.125 %	4LF					
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	25	90	100	100
14B	DPX M6316	75.00 DF	.016 LB/AC	4LF					
14C	X-77 (SURFACTANT)	.50 WA	.250 %	4LF					
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	12	75	100	100
15B	DPX M6316	75.00 DF	.030 LB/AC	4LF					
15C	X-77 (SURFACTANT)	.50 WA	.125 %	4LF					
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	15	85	100	100
16B	DPX M6316	75.00 DF	.030 LB/AC	4LF					
16C	X-77 (SURFACTANT)	.50 WA	.250 %	4LF					
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	58	85	100	100
17B	BENAZOLIN	4.00 F	.250 LB/AC	MP					
17C	ATRAZINE	4.00 L	.500 LB/AC	MP					
17D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	48	90	100	100
18B	BENAZOLIN	4.00 F	.250 LB/AC	MP					
18C	ATRAZINE	4.00 L	.500 LB/AC	MP					
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	65	95	100	100
19B	PPG 4000	4.80 FL	.600 LB/AC	5LF					
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	98	100	100
20B	PPG 1259	3.00 FL	.100 LB/AC	5LF					
20C	CYANAZINE	80.00 WP	1.000 LB/AC	5LF					
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	75	92	100	100
21B	PPG 1259	3.00 FL	.100 LB/AC	5LF					
21C	2,4-D AMINE	4.00 E	.250 LB/AC	5LF					
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	45	90	100	100
22B	RS-105	60.00 WP	1.050 LB/AC	EP					
23A	ATRAZINE	4.00 L	1.500 LB/AC	EP	0	70	20	100	100
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
24A	ATRAZINE	4.00 L	2.000 LB/AC	EP	0	92	28	100	100
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	FAPA	JIWE	COLQ
25A	ATRAZINE	4.00 L	2.000 LB/AC	LP	0	22	35	100	100
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
26A	ATRAZINE	4.00 L	2.000 LB/AC	LP	0	85	15	100	100
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
26C	ATRAZINE	4.00 L	2.000 LB/AC	+7D					
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D					
27A	PENDIMETHALIN	4.00 E	1.500 LB/AC	SPK	0	90	82	100	100
27B	ATRAZINE	4.00 L	1.500 LB/AC	SPK					
28A	PENDIMETHALIN	4.00 E	1.500 LB/AC	3LF	0	48	48	100	100
28B	ATRAZINE	4.00 L	1.500 LB/AC	3LF					
29A	PENDIMETHALIN	4.00 E	1.500 LB/AC	SPK	0	92	92	100	100
29B	CYANAZINE	80.00 WP	2.000 LB/AC	SPK					
30A	PENDIMETHALIN	4.00 E	1.500 LB/AC	3LF	0	80	45	100	100
30B	CYANAZINE	80.00 WP	2.000 LB/AC	3LF					
31	CYANAZINE	80.00 WP	2.000 LB/AC	EP	0	72	70	100	52
32A	TRIDIPHANE	4.00 E	.500 LB/AC	EP	0	100	88	100	100
32B	ATRAZINE	4.00 L	1.500 LB/AC	EP					
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
33A	TRIDIPHANE	4.00 E	.500 LB/AC	LP	0	60	15	100	100
33B	ATRAZINE	4.00 L	2.000 LB/AC	LP					
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
34A	TRIDIPHANE	4.00 E	.500 LB/AC	LP	0	70	22	100	100
34B	ATRAZINE	4.00 L	2.000 LB/AC	LP					
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
34D	ATRAZINE	4.00 L	1.000 LB/AC	+7D					
34E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D					
35A	TRIDIPHANE	4.00 E	.500 LB/AC	EP	0	95	100	100	100
35B	CYANAZINE	80.00 WP	1.600 LB/AC	EP					
36A	TRIDIPHANE	4.00 E	.500 LB/AC	EP	0	100	95	100	100
36B	CYANAZINE	80.00 WP	.800 LB/AC	EP					
36C	ATRAZINE	4.00 L	.800 LB/AC	EP					
37	DICAMBA	4.00 S	.250 LB/AC	MP	0	20	42	100	100

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	FAPA	JIWE	COLQ
38	DICAMBA	4.00 S	.380 LB/AC	MP	0	15	45	100	100
39	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP	0	48	25	100	100
40A	SC 0735	75.00 WP	.250 LB/AC	2LF	0	98	92	100	100
40B	ATRAZINE	4.00 L	1.000 LB/AC	2LF					
40C	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
41A	SC 0735	75.00 WP	.380 LB/AC	2LF	0	100	92	100	100
41B	ATRAZINE	4.00 L	1.000 LB/AC	2LF					
41C	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
42A	SC 0051	3.00 E	.250 LB/AC	2LF	0	18	65	100	100
42B	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
43A	SC 0051	3.00 E	.500 LB/AC	2LF	0	18	65	100	100
43B	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
44A	SC 0051	3.00 E	.250 LB/AC	2LF	0	82	30	100	100
44B	ATRAZINE	4.00 L	1.000 LB/AC	2LF					
44C	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
45A	SC 0051	3.00 E	.500 LB/AC	2LF	0	80	48	100	100
45B	ATRAZINE	4.00 L	1.000 LB/AC	2LF					
45C	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
46A	SC 0051	3.00 E	.750 LB/AC	2LF	0	88	55	100	100
46B	ATRAZINE	4.00 L	1.000 LB/AC	2LF					
46C	TWEEN 20 (SURFACTANT)	.00 WA	.250 %	2LF					
47	SAN 825H	4.67 FL	2.330 LB/AC	EP	0	62	38	100	100
48	SAN DCA1	4.67 FL	2.330 LB/AC	EP	0	65	22	100	100
49	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100
			LSD (05):		0	19	18	9	9

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 6
 VARIETY: PIONEER 3320

SOIL TYPE: MAURY SILT LOAM
 PH: 6.4 O.M.: 4.4%
 DATE TREATED: PRE MAY 6
 SPK MAY 13
 EP, 2LF MAY 18
 3LF MAY 20
 4LF MAY 22
 MP, 5LF MAY 26

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TABLE C7004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							-----8 WEEKS AFTER APPLIED -----				
					GRAS	BRLE	CRIN	LACG	COLQ	CLMW	PRSI	CRIN	LACG	COLQ	CLMW	PRSI
1A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	55	88	0	60	100	88	98	0	48	100	88	98
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE												
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
2A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	85	88	0	85	100	92	95	0	68	100	92	95
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	55	85	0	55	100	92	88	0	50	100	88	88
3B	PARAQUAT	1.50 S	.250 LB/AC	PRE												
3C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
3D	DICAMBA	4.00 S	.500 LB/AC	EP												
4A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	75	85	0	75	98	92	88	0	60	98	92	90
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
5A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	78	82	0	78	98	88	95	0	68	98	85	95
5B	ATRAZINE	4.00 L	2.000 LB/AC	PRE												
5C	PARAQUAT	1.50 S	.280 LB/AC	PRE												
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
6A	METOLACHLOR	8.00 E	2.250 LB/AC	PRE	78	78	0	80	100	78	98	0	60	100	75	98
6B	HOE 39866	1.67 AS	1.000 LB/AC	PRE												
6C	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
7A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	68	90	0	68	100	95	100	0	60	100	95	100
7B	PARAQUAT + ATRAZINE	2.40 L	1.800 LB/AC	PRE												
8A	METALACHLOR/HOE39866	4.00 E	3.250 LB/AC	PRE	75	85	0	75	98	90	90	0	65	98	90	90
8B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
9A	METALACHLOR/HOE39866	4.00 E	3.250 LB/AC	PRE	70	82	0	78	98	82	98	0	58	98	82	98
9B	HOE 39866	1.67 AS	.250 LB/AC	PRE												
9C	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
10A	METALACHLOR/HOE39866	4.00 E	3.250 LB/AC	PRE	75	85	0	75	100	85	100	0	72	100	85	100
10B	HOE 39866	1.67 AS	.500 LB/AC	PRE												
10C	ATRAZINE	4.00 L	1.500 LB/AC	PRE												

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TABLE C7004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							-----8 WEEKS AFTER APPLIED -----				
					GRAS	BRLE	CRIN	LACG	COLQ	CLMW	PRSI	CRIN	LACG	COLQ	CLMW	PRSI
11A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	28	82	0	28	98	98	90	0	35	98	98	90
11B	PARAQUAT	1.50 S	.250 LB/AC	PRE												
11C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
12A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	62	92	0	62	100	92	100	0	50	100	90	100
12B	CYANAZINE	4.00 L	1.500 LB/AC	PRE												
12C	PARAQUAT	1.50 S	.280 LB/AC	PRE												
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
13A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	55	92	0	55	100	95	95	0	42	100	95	95
13B	SIMAZINE	4.00 L	1.000 LB/AC	PRE												
13C	PARAQUAT	1.50 S	.280 LB/AC	PRE												
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
14A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	45	85	0	58	100	90	95	0	45	100	90	98
14B	PARAQUAT + SIMAZINE	4.00 L	1.500 LB/AC	PRE												
15A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	62	75	0	68	100	80	100	0	60	100	78	100
15B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP												
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP												
16A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	40	95	0	40	100	98	100	0	35	100	98	100
16B	2,4-D AMINE	4.00 E	1.000 LB/AC	PRE												
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
17A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	88	88	0	88	100	88	100	0	85	100	88	100
17B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP												
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP												
17D	TRIDIPHANE	4.00 E	.500 LB/AC	EP												
17E	ATRAZINE	4.00 L	1.500 LB/AC	EP												
17F	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP												
18A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	62	95	0	62	100	95	100	0	55	100	95	100
18B	2,4-D AMINE	4.00 E	1.000 LB/AC	PRE												
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE												
18D	TRIDIPHANE	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	EPP	90	92	0	90	100	92	100	0	85	100	92	100
19B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP												
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP												
19D	METOLACHLOR	8.00 E	2.000 LB/AC	PRE												
19E	ATRAZINE	4.00 L	1.500 LB/AC	PRE												

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TABLE C7004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							-----8 WEEKS AFTER APPLIED -----				
					GRAS	BRLE	CRIN	LACG	COLQ	CLMW	PRSI	CRIN	LACG	COLQ	CLMW	PRSI
20A	CYANAZINE	4.00 L	2.000 LB/AC	EPP	85	90	0	85	100	90	100	0	78	100	90	100
20B	2,4-D AMINE	4.00 E	1.000 LB/AC	EPP												
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP												
20D	ATRAZINE	4.00 L	2.000 LB/AC	EP												
20E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
21	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	22	90	0	22	100	92	100	0	22	100	92	100
22	METALACHLOR + ATRAZI	6.00 L	4.500 LB/AC	PRE	32	78	0	32	100	85	88	0	30	100	82	90
23	PARAQUAT + ATRAZINE	2.40 L	1.800 LB/AC	PRE	22	85	0	45	100	88	95	0	38	100	88	95
24	PARAQUAT + ATRAZINE	2.40 L	2.400 LB/AC	PRE	30	88	0	45	100	92	100	0	35	100	92	100
25A	EPTC	3.00 S	4.000 LB/AC	PRE	22	80	0	22	92	90	98	0	22	92	90	98
25B	PARAQUAT	1.50 S	.250 LB/AC	PRE												
25C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
26A	EPTC	3.00 S	6.000 LB/AC	PRE	35	70	0	35	75	90	88	0	32	68	90	88
26B	PARAQUAT	1.50 S	.250 LB/AC	PRE												
26C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
27A	EPTC	3.00 S	4.000 LB/AC	PRE	55	82	0	62	100	85	98	0	55	100	85	98
27B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
27C	PARAQUAT	1.50 S	.250 LB/AC	PRE												
27D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
28A	EPTC	3.00 S	6.000 LB/AC	PRE	62	85	0	62	100	85	100	0	60	100	85	100
28B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
28C	PARAQUAT	1.50 S	.250 LB/AC	PRE												
28D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
29A	RS-012	3.75 EC	.940 LB/AC	PRE	35	82	0	35	100	90	98	0	30	100	90	98
29B	ATRAZINE	4.00 L	1.500 LB/AC	PRE												
29C	PARAQUAT	1.50 S	.250 LB/AC	PRE												
29D	ACTIVE PLUS	.00 WA	.250 %	PRE												
30A	RS-012	3.75 EC	.940 LB/AC	PRE	60	88	0	60	100	90	98	0	52	100	88	98
30B	CYANAZINE	4.00 L	1.500 LB/AC	PRE												
30C	PARAQUAT	1.50 S	.250 LB/AC	PRE												
30D	ACTIVE PLUS	.00 WA	.250 %	PRE												
			LSD (05) :		21	NS	0	26	8	12	8	0	22	11	13	8

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TABLE C7004 NO-TILL CORN STALKLAND

LOCATION: SPINDLETOP FARM

FERTILIZATION (LB/AC): 250 N,

60 P,

60 K

SOIL TYPE: MAURY SILT LOAM

PH: 6.1

O.M.: 4.6%

DATE PLANTED: MAY 7

DATE TREATED: EPP APRIL 27

VARIETY: PIONEER 3320

PRE MAY 7

EP MAY 26

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TABLE C7005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	LACG	COLQ	CLMW	PRSI	VELE
1A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	80	85	0	80	88	85	100	98
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
2A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	85	85	0	85	100	92	100	92
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
3A	EPTC + R25788 (IMP)	6.70 E	4.000 LB/AC	PRE	60	82	0	62	100	92	100	90
3B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE								
3C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
4A	EPTC + R25788 (IMP)	6.70 E	6.000 LB/AC	PRE	55	70	0	55	88	82	100	88
4B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE								
4C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
5A	EPTC	3.00 S	4.000 LB/AC	PRE	65	80	0	65	100	80	100	100
5B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
5C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
6A	EPTC	3.00 S	6.000 LB/AC	PRE	70	78	0	70	98	78	100	98
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
6C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
6D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
7A	BUTYLATE + R25788 (I	6.70 E	4.000 LB/AC	PRE	55	62	0	40	80	75	100	90
7B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE								
7C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
8A	BUTYLATE + R25788 (I	6.70 E	6.000 LB/AC	PRE	45	68	0	45	70	88	100	95
8B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE								
8C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
			LSD (05) :		24	NS	0	28	NS	12	0	12

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TABLE C7005 NO-TILL CORN STALKLAND II

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.1 O.M.: 4.7%
DATE PLANTED: MAY 7 DATE TREATED: PRE MAY 8
VARIETY: PIONEER 3320
TREATMENTS 3,4,7,8 - EADICANE & SUTAN + ARE IMPREGNATED ON DRY FERTILIZ

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	LACG	COLQ	CLMW	PRSI	VELE
1A	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	0	70	88	85	100	98
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
2A	ALACHLOR	4.00 E	3.000 LB/AC	PRE	0	72	100	92	100	92
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE						
3A	EPTC + R25788 (IMP)	6.70 E	4.000 LB/AC	PRE	0	62	100	92	95	95
3B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE						
3C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
4A	EPTC + R25788 (IMP)	6.70 E	6.000 LB/AC	PRE	0	52	88	82	92	95
4B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE						
4C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
5A	EPTC	3.00 S	4.000 LB/AC	PRE	0	50	100	80	100	100
5B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
5C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
6A	EPTC	3.00 S	6.000 LB/AC	PRE	0	60	98	78	100	98
6B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
6C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
6D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
7A	BUTYLATE + R25788 (I)	6.70 E	4.000 LB/AC	PRE	0	35	80	75	100	90
7B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE						
7C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
8A	BUTYLATE + R25788 (I)	6.70 E	6.000 LB/AC	PRE	0	40	70	88	100	95
8B	ATRAZINE (IMP)	4.00 L	1.500 LB/AC	PRE						
8C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
LSD (05) :					0	NS	NS	12	NS	8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7005 NO-TILL CORN STALKLAND II

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.1 O.M.: 4.7%
DATE PLANTED: MAY 7 DATE TREATED: PRE MAY 8
VARIETY: PIONEER 3320
TREATMENTS 3,4,7,8 - EADICANE & SUTAN + ARE IMPREGNATED ON DRY FERTILIZ

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TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	HONE	ILMG	CORW	PRLE
1A	ROUNDUP	4.00 E	1.000 LB/AC	PRE	68	72	0	68	88	85	98	98
1B	X-77	.50 WA	.500 %	PRE								
2	KY 1000	78.74 WDG	2.750 LB/AC	PRE	98	92	0	98	92	98	100	100
3A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	90	90	0	90	92	98	100	100
3B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
4	KY 2000	80.00 WSG	2.560 LB/AC	PRE	100	95	0	100	98	98	100	100
5A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	98	92	0	98	92	100	100	100
5B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
6A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	92	88	0	92	85	100	100	100
6B	LASSO	4.00 MT	3.000 LB/AC	PRE								
7A	ROUNDUP	4.00 E	1.000 LB/AC	PRE	95	88	0	95	90	98	100	100
7B	LASSO MT/ATRAZINE PK	4.00 L	4.800 LB/AC	PRE								
8A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	98	92	0	98	92	100	100	100
8B	DUAL	8.00 E	2.500 LB/AC	PRE								
9A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	92	95	0	92	100	98	100	98
9B	DUAL	8.00 E	2.500 LB/AC	PRE								
9C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
10A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	98	95	0	98	92	98	100	100
10B	DUAL	8.00 E	2.500 LB/AC	PRE								
11A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	100	88	0	100	90	98	100	100
11B	DUAL	8.00 E	2.500 LB/AC	PRE								
11C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
12A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	98	95	0	98	95	100	100	100
12B	BLADEX	4.00 L	1.500 LB/AC	PRE								
13A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	98	95	0	98	95	100	100	100
13B	PRINCEP	4.00 L	1.000 LB/AC	PRE								
14A	ROUNDUP	4.00 E	1.000 LB/AC	PRE	85	78	0	85	92	90	95	100
14B	X-77	.50 WA	.500 %	PRE								
14C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								

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TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	HONE	ILMG	CORW	PRLE
15A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	95	92	0	95	92	100	100	100
15B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
16A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	98	88	0	98	90	100	100	100
16B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
16C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
17A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	98	90	0	98	90	100	100	100
17B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
18A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	98	90	0	98	92	100	100	100
18B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
18C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
19A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	100	88	0	100	92	100	100	100
19B	LASSO	4.00 MT	3.000 LB/AC	PRE								
19C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
20A	ROUNDUP	4.00 E	1.000 LB/AC	PRE	98	92	0	98	95	100	100	100
20B	LASSO MT/ATRAZINE PK	4.00 L	4.800 LB/AC	PRE								
20C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
21A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	95	98	0	95	100	100	100	98
21B	DUAL	8.00 E	2.500 LB/AC	PRE								
21C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
22A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	98	95	0	98	95	100	100	100
22B	DUAL	8.00 E	2.500 LB/AC	PRE								
22C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
22D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
23A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	100	95	0	100	95	100	100	100
23B	DUAL	8.00 E	2.500 LB/AC	PRE								
23C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
24A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	100	85	0	100	85	98	100	100
24B	DUAL	8.00 E	2.500 LB/AC	PRE								
24C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
24D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	HONE	ILMG	CORW	PRLE
25A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	95	98	0	95	98	100	100	100
25B	PRINCEP	4.00 L	1.000 LB/AC	PRE								
25C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
26	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE	50	45	0	50	55	58	52	52
27A	BICEP	6.00 L	3.200 LB/AC	PRE	95	92	0	95	92	95	100	100
27B	GRAMOXONE	1.50 S	.250 LB/AC	PRE								
27C	X-77	.50 WA	.500 %	PRE								
27D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
28A	BLADEX	4.00 L	2.500 LB/AC	PRE	98	95	0	98	95	100	100	100
28B	AATREX	4.00 L	1.000 LB/AC	PRE								
28C	ESTERON 99	4.00 E	.500 LB/AC	PRE								
28D	X-77	.50 WA	.500 %	PRE								
28E	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
29A	BLADEX	4.00 L	2.500 LB/AC	PRE	100	98	0	100	100	98	100	98
29B	AATREX	4.00 L	1.000 LB/AC	PRE								
29C	GRAMOXONE	1.50 S	.250 LB/AC	PRE								
29D	X-77	.50 WA	.500 %	PRE								
29E	DUAL	8.00 E	2.000 LB/AC	PRE								
29F	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
30A	EXTRAZINE	4.00 L	4.000 LB/AC	PRE	95	95	0	98	95	100	100	100
30B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
31A	GRAMOXONE	1.50 S	.250 LB/AC	PRE	68	78	0	68	95	88	98	100
31B	X-77	.50 WA	.500 %	PRE								
31C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
32A	GRAMOXONE	1.50 S	.250 LB/AC	PRE	85	92	0	85	92	100	100	100
32B	AATREX	4.00 L	1.500 LB/AC	PRE								
32C	X-77	.50 WA	.500 %	PRE								
32D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
33A	GRAMOXONE	1.50 S	.250 LB/AC	PRE	98	95	0	98	95	100	100	100
33B	AATREX	4.00 L	1.500 LB/AC	PRE								
33C	DUAL	8.00 E	2.500 LB/AC	PRE								
33D	X-77	.50 WA	.500 %	PRE								
33E	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	HONE	ILMG	CORW	PRLE
34A	GRAMOXONE	1.50 S	.250 LB/AC	PRE	92	90	0	92	95	95	100	98
34B	PRINCEP	4.00 L	1.500 LB/AC	PRE								
34C	X-77	.50 WA	.500 %	PRE								
34D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
35A	GRAMOXONE	1.50 S	.250 LB/AC	PRE	98	92	0	98	95	98	100	100
35B	AATREX	4.00 L	1.500 LB/AC	PRE								
35C	PRINCEP	4.00 L	1.000 LB/AC	PRE								
35D	DUAL	8.00 E	2.000 LB/AC	PRE								
35E	X-77	.50 WA	.500 %	PRE								
35F	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
36A	BLADEX	4.00 L	2.500 LB/AC	EPP	95	90	0	95	90	100	100	100
36B	AATREX	4.00 L	1.500 LB/AC	EPP								
36C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	EPP								
37A	EXTRAZINE	4.00 L	4.000 LB/AC	EPP	98	92	0	98	92	98	100	100
37B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	EPP								
38A	BICEP	6.00 L	4.000 LB/AC	EPP	98	95	0	98	95	98	100	100
38B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	EPP								
39A	BICEP	6.00 L	2.100 LB/AC	EPP	98	98	0	98	98	100	100	100
39B	BICEP	6.00 L	1.100 LB/AC	PRE								
39C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
40A	LASSO/ATRAZINE PKG.	4.00 L	3.000 LB/AC	EPP	98	92	0	98	92	100	100	100
40B	LASSO/ATRAZINE PKG.	4.00 L	2.000 LB/AC	PRE								
40C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE								
LSD (05) :					12	12	0	11	13	12	9	9

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 7
 VARIETY: PIONEER 3320
 ALL NITROGEN IS APPLIED AT 40 GPA

SOIL TYPE: MAURY SILT LOAM
 PH: 6.2 O.M.: 3.4%
 DATE TREATED: EPP APRIL 24
 PRE MAY 7

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TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	HONE	ILMG	CORW	PRLE
1A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	60	82	80	92	100
1B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
2	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	88	95	100	100
3A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	88	88	95	100	100
3B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
4	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	95	92	95	100	100
5A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	95	90	95	100	100
5B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
6A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	90	80	100	100	100
6B	ALACHLOR	4.00 MT	3.000 LB/AC	PRE						
7A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	82	95	100	100
7B	ALACHLOR MT/ATRAZINE	4.00 L	4.800 LB/AC	PRE						
8A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	82	95	100	100
8B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
9A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	90	95	95	100	95
9B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
9C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
10A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	90	90	95	100	100
10B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
11A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	95	88	95	100	100
11B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
11C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
12A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	92	100	100	100
12B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
13A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	92	95	100	100
13B	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
14A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	68	92	90	90	100
14B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
14C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						

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TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	HONE	ILMG	CORW	PRLE
15A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	90	95	100	100
15B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
16A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	90	88	100	100	100
16B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
16C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
17A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	90	90	95	100	100
17B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
18A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	92	90	100	100	100
18B	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
18C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
19A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	82	100	100	100
19B	ALACHLOR	4.00 MT	3.000 LB/AC	PRE						
19C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
20A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	92	95	100	100
20B	ALACHLOR MT/ATRAZINE	4.00 L	4.800 LB/AC	PRE						
20C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
21A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	95	100	100	100
21B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
21C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
22A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	100	90	100	100	100
22B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
22C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
22D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
23A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	95	90	100	100	100
23B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
23C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
24A	KY 2000	80.00 WSG	2.560 LB/AC	PRE	0	95	82	95	100	100
24B	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
24C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
24D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						

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TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	HONE	IIMG	CORW	PRLE
25A	KY 1000	78.74 WDG	2.750 LB/AC	PRE	0	92	92	100	100	100
25B	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
25C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
26	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE	0	52	68	70	65	65
27A	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC	PRE	0	90	90	90	100	100
27B	PARAQUAT	1.50 S	.250 LB/AC	PRE						
27C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
27D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
28A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	0	92	92	92	100	100
28B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
28C	2,4-D ESTER	4.00 E	.500 LB/AC	PRE						
28D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
28E	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
29A	CYANAZINE	4.00 L	2.500 LB/AC	PRE	0	95	100	92	100	95
29B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
29C	PARAQUAT	1.50 S	.250 LB/AC	PRE						
29D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
29E	METOLACHLOR	8.00 E	2.000 LB/AC	PRE						
29F	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
30A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	0	92	90	100	100	100
30B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
31A	PARAQUAT	1.50 S	.250 LB/AC	PRE	0	60	90	82	100	100
31B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
31C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
32A	PARAQUAT	1.50 S	.250 LB/AC	PRE	0	78	90	100	100	100
32B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
32C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
32D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
33A	PARAQUAT	1.50 S	.250 LB/AC	PRE	0	92	90	100	100	100
33B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
33C	METOLACHLOR	8.00 E	2.500 LB/AC	PRE						
33D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
33E	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE C7009 NO-TILL CORN IN SOYBEAN STUBBLE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	HONE	IIMG	CORW	PRLE
34A	PARAQUAT	1.50 S	.250 LB/AC	PRE	0	88	82	92	100	95
34B	SIMAZINE	4.00 L	1.500 LB/AC	PRE						
34C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
34D	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
35A	PARAQUAT	1.50 S	.250 LB/AC	PRE	0	95	92	100	100	100
35B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
35C	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
35D	METOLACHLOR	8.00 E	2.000 LB/AC	PRE						
35E	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
35F	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
36A	CYANAZINE	4.00 L	2.500 LB/AC	EPP	0	82	90	95	100	100
36B	ATRAZINE	4.00 L	1.500 LB/AC	EPP						
36C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	EPP						
37A	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	EPP	0	90	82	92	100	100
37B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	EPP						
38A	METALACHLOR + ATRAZI	6.00 L	4.000 LB/AC	EPP	0	92	90	95	100	100
38B	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	EPP						
39A	METALACHLOR + ATRAZI	6.00 L	2.100 LB/AC	EPP	0	92	95	100	100	100
39B	METALACHLOR + ATRAZI	6.00 L	1.100 LB/AC	PRE						
39C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						
40A	ALACHLOR/ATRAZINE PK	4.00 L	3.000 LB/AC	EPP	0	95	88	100	100	100
40B	ALACHLOR/ATRAZINE PK	4.00 L	2.000 LB/AC	PRE						
40C	LIQUID FERTILIZER	.00 AD	80.000 QT/AC	PRE						

LSD(05): 0 10 12 11 8 7

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K
 DATE PLANTED: MAY 7
 VARIETY: PIONEER 3320
 ALL NITROGEN IS APPLIED AT 40 GPA

SOIL TYPE: MAURY SILT LOAM
 PH: 6.2 O.M.: 3.4%
 DATE TREATED: EPP APRIL 24
 PRE MAY 7

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7030 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WK-----			-----8 WK-----		
					CRIN	SHCA	VELE	CRIN	SHCA	VELE
1A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	0	70	100	0	70	100
1B	ATRAZINE	4.00 L	2.000 LB/AC	EP						
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
2A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	15	88	100	0	85	100
2B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
2C	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
3A	SIMAZINE	4.00 L	1.000 LB/AC	PRE	15	72	100	0	68	100
3B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
3C	ATRAZINE	4.00 L	2.000 LB/AC	EP						
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
4A	SIMAZINE	4.00 L	1.000 LB/AC	PRE	18	75	100	0	72	100
4B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
4C	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
5A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	15	72	100	0	72	100
5B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
5C	ATRAZINE	4.00 L	2.000 LB/AC	EP						
5D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
6A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	15	78	100	0	75	100
6B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
6C	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
7A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	0	90	90	0	88	90
7B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
8A	EPTC PKG MIX	6.00 EC	3.000 LB/AC	PPI	12	100	100	0	100	100
8B	TRIDIPHANE	4.00 E	.500 LB/AC	EP						
8C	ATRAZINE	4.00 L	1.500 LB/AC	EP						
8D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
9A	EPTC PKG MIX	6.00 EC	3.000 LB/AC	PPI	10	100	100	0	100	100
9B	TRIDIPHANE	4.00 E	.500 LB/AC	EP						
9C	CYANAZINE	80.00 WP	1.500 LB/AC	EP						
10A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	20	80	100	0	80	100
10B	ATRAZINE	4.00 L	2.000 LB/AC	EP						
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						

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TABLE S7030 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WK-----			-----8 WK-----		
					CRIN	SHCA	VELE	CRIN	SHCA	VELE
11A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	15	82	100	0	80	100
11B	ATRAZINE	4.00 L	2.000 LB/AC	EP						
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
11D	ATRAZINE	4.00 L	1.000 LB/AC	+7D						
11E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D						
12A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	8	60	100	0	40	100
12B	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
13A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	20	60	100	0	45	100
13B	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
13C	ATRAZINE	4.00 L	1.000 LB/AC	+7D						
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D						
14A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	10	68	100	0	40	100
14B	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
15	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	0	100	100
LSD(05):					8	9	0	0	12	0

LOCATION: SOUTH FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 2.5%

DATE PLANTED: MAY 7

DATE TREATED: PPI MAY 7

VARIETY: PIONEER 3320

PRE MAY 7

EP MAY 20

+7D MAY 28

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 18-----							-----JULY 21-----				
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	32	0	100	32	35	35	0	100	38	48	48
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	78	10	100	100	78	78	2	98	100	70	72
2B	LINURON	4.00 L	1.000 LB/AC	PRE												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	10	98	100	90	90	2	95	100	90	88
3B	LINURON	4.00 L	.750 LB/AC	PRE												
3C	CHLORIMURON	25.00 DF	.008 LB/AC	EP												
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	10	100	100	95	90	5	100	100	90	88
4B	LINURON	4.00 L	1.000 LB/AC	PRE												
4C	CHLORIMURON	25.00 DF	.008 LB/AC	EP												
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	8	98	98	95	92	2	92	98	92	92
5B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE												
5C	CHLORIMURON	25.00 DF	.008 LB/AC	EP												
5D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	10	100	100	95	90	0	100	95	90	85
6B	METRIBUZIN 2	75.00 DF	.375 LB/AC	PRE												
6C	CHLORIMURON	25.00 DF	.008 LB/AC	EP												
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	78	2	90	82	85	85	0	92	75	82	82
7B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE												
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	82	5	95	92	82	82	0	95	88	85	85
8B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE												
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	85	5	92	95	85	85	2	92	95	82	82
9B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE												
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	82	5	95	95	85	82	0	95	90	80	82
10B	DPX 8259	60.00 DF	.450 LB/AC	PRE												
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	10	100	100	90	90	2	100	100	90	90
11B	DPX 8259	60.00 DF	.600 LB/AC	PRE												
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	10	98	100	92	90	0	98	100	88	88
12B	DPX 8259	60.00 DF	1.000 LB/AC	PRE												
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	62	0	100	65	82	80	0	100	62	80	78
13B	CYANAZINE	4.00 L	.250 LB/AC	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 18-----						-----JULY 21-----					
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	80	2	100	90	82	82	2	100	90	75	75
14B	CYANAZINE	4.00 L	.500 LB/AC	PRE												
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	82	5	100	92	82	82	0	98	90	82	80
15B	CYANAZINE	4.00 L	1.000 LB/AC	PRE												
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	88	8	92	88	90	90	0	95	72	85	85
16B	CYANAZINE	4.00 L	.250 LB/AC	PRE												
16C	CHLORIMURON	25.00 DF	.047 LB/AC	PRE												
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	5	98	95	90	90	2	95	85	88	88
17B	CYANAZINE	4.00 L	.500 LB/AC	PRE												
17C	CHLORIMURON	25.00 DF	.047 LB/AC	PRE												
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	85	10	95	95	90	88	5	92	90	88	88
18B	CYANAZINE	4.00 L	1.000 LB/AC	PRE												
18C	CHLORIMURON	25.00 DF	.047 LB/AC	PRE												
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	75	5	92	75	90	90	0	90	60	88	88
19B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE												
20A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	98	55	0	98	55	88	88	0	100	48	82	82
20B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE												
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	60	0	98	62	85	88	0	98	60	80	80
21B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE												
22A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	95	65	0	95	68	82	80	0	95	68	82	80
22B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE												
23A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	98	60	5	98	60	82	82	0	95	52	78	80
23B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE												
24A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	100	62	0	100	98	62	62	0	98	92	65	65
24B	FMC 57020	4.00 EC	.380 LB/AC	PRE												
25A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	100	70	2	100	98	72	70	0	100	92	68	68
25B	FMC 57020	4.00 EC	.500 LB/AC	PRE												
26A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	70	2	100	98	72	72	0	95	98	70	68
26B	FMC 57020	4.00 EC	.380 LB/AC	PRE												
27A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	100	65	0	100	100	70	68	0	100	98	68	65
27B	FMC 57020	4.00 EC	.500 LB/AC	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 18-----						-----JULY 21-----					
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	65	0	100	100	65	65	0	100	95	62	62
28B	FMC 57020	4.00 EC	.380 LB/AC	PRE												
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	68	0	100	98	68	68	0	95	95	62	62
29B	FMC 57020	4.00 EC	.500 LB/AC	PRE												
30	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	95	28	0	95	28	32	32	0	98	30	50	48
31A	METOLACHLOR	8.00 E	2.250 LB/AC	PRE	100	68	2	100	100	72	68	0	100	100	70	68
31B	METRIBUZIN 1	4.00 F	.375 LB/AC	PRE												
32A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	98	78	2	98	100	78	78	2	98	98	78	78
32B	METRIBUZIN 1	4.00 F	.375 LB/AC	PRE												
32C	IMAZAQUIN	1.50 AS	.090 LB/AC	PRE												
33A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	95	42	0	95	42	88	88	0	92	38	85	85
33B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE												
34A	METOLACHLOR	8.00 E	2.500 LB/AC	PRE	95	50	0	95	50	90	90	0	98	45	88	88
34B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE												
35A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	95	48	0	95	48	88	88	0	98	45	85	85
35B	IMAZETHAPYR	2.00 AS	.047 LB/AC	PRE												
36A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	100	50	0	100	50	85	88	0	98	48	82	85
36B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE												
37A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	92	72	0	98	68	88	88	0	95	62	85	85
37B	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE												
38A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	98	55	0	98	55	90	90	0	98	52	85	88
38B	IMAZETHAPYR	2.00 AS	.047 LB/AC	PRE												
39A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	62	0	100	62	85	85	0	100	58	75	75
39B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE												
40A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	92	68	0	92	68	82	82	0	95	60	85	80
40B	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE												
41A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	98	78	0	98	92	80	80	0	98	92	80	80
41B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE												
42A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	98	80	2	98	90	80	80	2	98	85	80	80
42B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 18-----						-----JULY 21-----					
					GRAS	BRLE	CRIN	GIFT	COLQ	ILMG	TAMG	CRIN	GIFT	COLQ	ILMG	TAMG
43A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	98	80	2	98	92	80	80	0	95	88	80	78
43B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE												
44A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	100	70	0	100	98	70	72	0	100	95	70	72
44B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE												
45A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	98	68	5	98	98	68	68	0	95	92	65	65
45B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE												
46	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	100	70	2	100	100	70	70	2	98	100	68	68
47A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	95	75	0	95	98	75	75	0	95	95	72	75
47B	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE												
48A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	90	85	0	90	90	85	85	0	90	88	85	82
48B	IMAZAQUIN	1.50 AS	.090 LB/AC	PRE												
49A	METALACHLOR + METRIB	8.00 EC	2.250 LB/AC	PRE	98	80	5	98	95	80	80	2	95	95	78	78
49B	LINURON	4.00 L	.380 LB/AC	PRE												
50A	FMC 57020	4.00 EC	1.000 LB/AC	PRE	100	75	0	100	100	78	78	0	100	100	78	78
50B	METRIBUZIN	75.00 DF	.380 LB/AC	PRE												
51	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	100	48	0	100	48	85	85	0	95	42	78	75
52	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	98	52	0	98	52	88	88	0	95	50	85	82
53	IMAZETHAPYR	2.00 AS	.093 LB/AC	PRE	98	68	0	100	68	88	88	0	98	62	82	82
54	ALACHLOR + IMAZAQUIN	74.00 WDG	2.125 LB/AC	PRE	100	55	0	100	55	88	88	0	100	45	85	80
55	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PRE	92	80	0	92	85	85	85	0	92	78	85	82
56	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD (05):		6	11	5	5	11	10	9	NS	6	11	13	12

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 11 DATE TREATED: PRE MAY 11
 VARIETY: WILLIAMS 82 EP MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7060 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	JIWE	ILMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	57	0	100	67	70	50	73
1B	LINURON	4.00 L	1.000 LB/AC	PRE								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	87	10	87	87	100	90	90
2B	LINURON	4.00 L	.750 LB/AC	PRE								
2C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	53	0	93	73	60	60	70
3B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	50	0	93	70	63	43	80
4B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	60	0	90	70	73	60	87
5B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	67	3	93	70	80	60	80
6B	DPX 8259	60.00 DF	.600 LB/AC	PRE								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	70	0	93	73	80	70	87
7B	CYANAZINE	4.00 L	1.000 LB/AC	PRE								
7C	CHLORIMURON	25.00 DF	.047 LB/AC	PRE								
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	67	0	87	70	83	83	73
8B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	83	0	93	90	93	87	80
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
10A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	93	70	0	93	70	90	77	97
10B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
11A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	93	77	3	93	77	93	80	93
11B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
12A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	93	63	0	93	63	87	73	87
12B	METRIBUZIN 1	4.00 F	.375 LB/AC	PRE								
12C	IMAZAQUIN	1.50 AS	.090 LB/AC	PRE								
13A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	90	70	3	90	80	77	70	93
13B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE								
14A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	90	47	0	90	67	47	40	83
14B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7060 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	JIWE	ILMG	VELE
15A	CINMETHYLIN	7.00 EC	1.000 LB/AC PRE		97	37	0	97	60	20	27	73
15B	METRIBUZIN 2	75.00 DF	.280 LB/AC PRE									
16	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC PRE		93	40	0	93	67	80	13	80
17A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC PRE		90	67	3	90	70	83	80	90
17B	IMAZAQUIN	1.50 AS	.060 LB/AC PRE									
18	IMAZETHAPYR	2.00 AS	.063 LB/AC PRE		83	70	0	83	70	73	73	90
19	IMAZETHAPYR	2.00 AS	.078 LB/AC PRE		90	67	0	90	67	77	77	80
20	IMAZETHAPYR	2.00 AS	.093 LB/AC PRE		90	73	0	90	77	70	70	90
21	ALACHLOR + IMAZAQUIN	74.00 WDG	2.125 LB/AC PRE		90	73	0	90	73	90	77	97
22	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC PRE		87	67	0	87	67	70	80	90
			LSD (05):		NS	16	NS	NS	NS	25	22	NS

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.6%

DATE PLANTED: MAY 13

DATE TREATED: PRE MAY 13

VARIETY: WILLIAMS 82

EP MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7060 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	COCB	JIWE	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	67	63	73
1B	LINURON	4.00 L	1.000 LB/AC	PRE					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	83	87	90
2B	LINURON	4.00 L	.750 LB/AC	PRE					
2C	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	73	57	70
3B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	67	63	80
4B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	67	67	87
5B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE					
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	70	77	80
6B	DPX 8259	60.00 DF	.600 LB/AC	PRE					
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	70	70	87
7B	CYANAZINE	4.00 L	1.000 LB/AC	PRE					
7C	CHLORIMURON	25.00 DF	.047 LB/AC	PRE					
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	70	77	73
8B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE					
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	87	83	80
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
10A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	0	90	70	80	97
10B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE					
11A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	0	90	70	77	93
11B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE					
12A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	90	60	83	83
12B	METRIBUZIN 1	4.00 F	.375 LB/AC	PRE					
12C	IMAZAQUIN	1.50 AS	.090 LB/AC	PRE					
13A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	83	77	70	93
13B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE					
14A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	0	90	67	40	83
14B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7060 SOYBEAN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	COCB	JIWE	VELE
15A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	0	90	60	20	73
15B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE					
16	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	0	90	63	73	77
17A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	0	83	70	77	87
17B	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE					
18	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	83	67	67	90
19	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	0	87	67	70	77
20	IMAZETHAPYR	2.00 AS	.093 LB/AC	PRE	0	87	73	67	90
21	ALACHLOR + IMAZAQUIN	74.00 WDG	2.125 LB/AC	PRE	0	83	60	83	97
22	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PRE	0	87	67	67	87
			LSD(05):		0	NS	NS	25	NS

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 60 N,

60 P,

60 K

PH: 6.5

O.M.: 3.6%

DATE PLANTED: MAY 13

DATE TREATED: PRE MAY 13

VARIETY: WILLIAMS 82

EP MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18							
					GRAS	BRLB	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		92	45	0	92	92	98	22	25
1B	METRIBUZIN 1	4.00 F	.500 LB/AC PPI									
2A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		88	78	0	88	98	100	75	70
2B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC PPI									
3A	ALACHLOR	4.00 MT	1.500 LB/AC PPI		95	55	0	95	92	78	30	30
3B	FMC 57020	4.00 EC	.380 LB/AC PPI									
4A	ALACHLOR	4.00 MT	1.500 LB/AC PPI		100	35	0	100	88	88	18	18
4B	FMC 57020	4.00 EC	.500 LB/AC PPI									
5A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		100	40	0	100	90	98	25	25
5B	FMC 57020	4.00 EC	.380 LB/AC PPI									
6A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		100	42	0	100	98	95	22	20
6B	FMC 57020	4.00 EC	.500 LB/AC PPI									
7A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		98	45	0	98	95	88	22	22
7B	FMC 57020	4.00 EC	.380 LB/AC PPI									
8A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		100	40	0	100	98	95	20	20
8B	FMC 57020	4.00 EC	.500 LB/AC PPI									
9A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		92	72	0	92	98	92	62	62
9B	IMAZAQUIN	1.50 AS	.125 LB/AC PPI									
10A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		100	48	0	100	95	95	28	28
10B	FMC 57020	4.00 EC	.750 LB/AC PPI									
11A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		100	48	0	100	100	100	22	22
11B	FMC 57020	4.00 EC	1.000 LB/AC PPI									
12A	METOLACHLOR	8.00 E	1.500 LB/AC PPI		95	65	0	95	90	95	62	58
12B	IMAZETHAPYR	2.00 AS	.047 LB/AC PPI									
13A	METOLACHLOR	8.00 E	1.500 LB/AC PPI		98	75	0	98	95	95	70	65
13B	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI									
14A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		90	78	0	90	98	98	62	62
14B	IMAZETHAPYR	2.00 AS	.047 LB/AC PPI									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 18-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	ILMG	TAMG
15A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	92	78	0	92	98	95	72	68
15B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI								
16A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	98	78	0	98	92	98	72	68
16B	IMAZETHAPYR	2.00 AS	.047 LB/AC	PPI								
17A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	98	85	2	98	100	98	80	78
17B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI								
18A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	98	75	2	98	95	98	60	65
18B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI								
18C	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI								
19A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	95	78	0	95	100	98	62	68
19B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI								
19C	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI								
20A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	98	65	0	98	98	100	52	52
20B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI								
20C	FMC 57020	4.00 EC	.250 LB/AC	PPI								
21A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	78	0	90	78	90	75	75
21B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
22A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	85	0	92	80	98	88	82
22B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
22C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI								
23A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	95	90	0	95	92	92	92	85
23B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
23C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI								
24A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	95	88	0	95	92	95	80	80
24B	METRIBUZIN 1	4.00 F	.400 LB/AC	PPI								
24C	FMC 57020	4.00 EC	.250 LB/AC	PPI								
25A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	88	92	5	88	98	90	92	92
25B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PPI								
25C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
26A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	88	88	5	88	98	92	90	85
26B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PPI								
26C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
27A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	90	90	2	90	98	92	88	90
27B	LINURON	4.00 L	.280 LB/AC	PPI								
27C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
27D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
28A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	90	90	5	90	100	92	92	92
28B	LINURON	4.00 L	.380 LB/AC	PPI								
28C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
29A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	85	0	90	98	88	88	80
29B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP								
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
30A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	90	75	0	90	72	95	78	70
30B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PPI								
31A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	90	82	0	90	82	98	82	78
31B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PPI								
32A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	92	82	0	92	85	98	80	75
32B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
33A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	95	88	0	95	90	95	85	88
33B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
34A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	90	82	2	90	78	98	85	82
34B	DPX 8259	60.00 DF	.450 LB/AC	PPI								
35A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	92	90	0	90	90	100	85	85
35B	DPX 8259	60.00 DF	.600 LB/AC	PPI								
36A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	88	2	90	100	92	90	82
36B	LACTOFEN	2.00 E	.200 LB/AC	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 18-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
37A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	90	12	92	100	92	95	82
37B	LACTOFEN	2.00 E	.200 LB/AC	EP								
37C	X-77 (SURFACTANT)	.50 WA	.250 ‡	EP								
38A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	90	8	92	100	92	92	85
38B	LACTOFEN	2.00 E	.150 LB/AC	EP								
38C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
39A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	90	20	90	100	88	100	85
39B	LACTOFEN	2.00 E	.200 LB/AC	EP								
39C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
40A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	90	12	92	98	98	92	90
40B	LACTOFEN	2.00 E	.150 LB/AC	EP								
40C	BENTAZON	4.00 E	.380 LB/AC	EP								
40D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
41A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	95	90	15	95	100	95	95	92
41B	LACTOFEN	2.00 E	.150 LB/AC	EP								
41C	IMAZAQUIN	1.50 AS	.125 LB/AC	EP								
41D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
42A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	88	92	18	88	100	95	98	95
42B	LACTOFEN	2.00 E	.150 LB/AC	EP								
42C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
43A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	92	80	0	92	88	90	75	75
43B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI								
44A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	98	90	0	98	92	100	88	85
44B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI								
45A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	92	10	100	100	98	98	92
45B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP								
45C	X-77 (SURFACTANT)	.50 WA	.250 ‡	EP								
46A	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI	100	42	0	100	100	98	28	28
46B	FMC 57020	4.00 EC	.750 LB/AC	PPI								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- JUNE 18 -----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
47A	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI	100	58	0	100	98	100	40	42
47B	FMC 57020	4.00 EC	.750 LB/AC	PPI								
48A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	92	82	2	92	90	95	78	80
48B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI								
49A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	92	85	0	92	100	92	82	80
49B	IMAZAQUIN	1.50 AS	.125 LB/AC	EP								
49C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
50A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	95	88	0	95	100	95	82	78
50B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP								
50C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
51A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	92	85	2	92	82	98	85	78
51B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI								
52A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	98	90	0	98	98	98	90	85
52B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI								
53A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	100	90	10	100	100	95	100	90
53B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP								
53C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
54A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	95	88	0	95	85	100	90	90
54B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
55	FMC 57020	4.00 EC	1.000 LB/AC	PPI	100	40	0	100	95	98	25	22
56A	FMC 57020	4.00 EC	1.000 LB/AC	PPI	100	38	0	100	100	98	22	22
56B	METRIBUZIN 1	4.00 F	.190 LB/AC	PPI								
57A	FMC 57020	4.00 EC	1.000 LB/AC	PPI	100	48	0	100	100	100	32	28
57B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
58A	FMC 57020	4.00 EC	.750 LB/AC	PPI	100	62	0	100	98	98	50	50
58B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI								
59A	FMC 57020	4.00 EC	.750 LB/AC	PPI	98	85	0	98	92	100	80	75
59B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
60A	FMC 57020	4.00 EC	.750 LB/AC PPI		100	75	2	100	95	100	65	62
60B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PPI									
61A	FMC 57020	4.00 EC	.750 LB/AC PPI		100	70	0	100	98	100	65	58
61B	IMAZETHAPYR	2.00 AS	.060 LB/AC PPI									
62A	FMC 57020	4.00 EC	.750 LB/AC PPI		95	68	2	95	100	95	60	48
62B	LACTOFEN	2.00 E	.200 LB/AC EP									
63	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI		88	65	0	88	60	92	60	60
64	IMAZETHAPYR	2.00 AS	.078 LB/AC PPI		88	78	0	88	82	92	70	70
65	IMAZETHAPYR	2.00 AS	.093 LB/AC PPI		92	75	0	92	85	88	75	75
66A	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI		92	90	0	92	98	100	88	90
66B	PENDIMETHALIN	4.00 E	.750 LB/AC PPI									
67A	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI		95	85	0	95	92	98	80	78
67B	PENDIMETHALIN	4.00 E	1.000 LB/AC PPI									
68	TREFLAN + METRIBUZIN	4.00 EC	1.500 LB/AC PPI		90	85	0	90	85	92	80	80
69A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC PPI		92	88	2	92	90	95	88	82
69B	IMAZAQUIN	1.50 AS	.060 LB/AC PPI									
70A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC PPI		90	80	0	90	82	98	78	78
70B	IMAZAQUIN	1.50 AS	.090 LB/AC PPI									
71A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC PPI		95	72	0	95	90	100	62	58
71B	FMC 57020	4.00 EC	.250 LB/AC PPI									
72	TRIFLUR. + FMC 57020	5.25 EC	1.640 LB/AC PPI		98	88	0	98	92	98	82	80
73A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC PPI		95	75	0	95	95	100	68	62
73B	METRIBUZIN	75.00 DF	.380 LB/AC PPI									
74A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC PPI		100	82	0	100	98	98	82	78
74B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC PPI									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 18							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
75A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	98	80	0	98	92	100	85	70
75B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI								
76A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	98	60	0	98	100	100	45	45
76B	FMC 57020	4.00 EC	.250 LB/AC	PPI								
77	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PPI	95	82	0	95	95	95	70	70
78	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(05):		6	11	4	6	13	8	15	15

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.4 O.M.: 3.4%

DATE PLANTED: MAY 11

DATE TREATED: PPI MAY 11

VARIETY: WILLIAMS 82

EP MAY 26

MP JUNE 3

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	8 WEEKS AFTER APPLIED					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	92	92	98	25	25
1B	METRIBUZIN 1	4.00 F	.500 LB/AC PPI							
2A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	90	92	100	72	70
2B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC PPI							
3A	ALACHLOR	4.00 MT	1.500 LB/AC PPI		0	95	92	75	28	28
3B	FMC 57020	4.00 EC	.380 LB/AC PPI							
4A	ALACHLOR	4.00 MT	1.500 LB/AC PPI		0	100	82	88	18	18
4B	FMC 57020	4.00 EC	.500 LB/AC PPI							
5A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		0	100	90	98	22	22
5B	FMC 57020	4.00 EC	.380 LB/AC PPI							
6A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		0	100	98	95	18	18
6B	FMC 57020	4.00 EC	.500 LB/AC PPI							
7A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	98	90	82	28	28
7B	FMC 57020	4.00 EC	.380 LB/AC PPI							
8A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	100	95	95	18	18
8B	FMC 57020	4.00 EC	.500 LB/AC PPI							
9A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	92	90	90	68	68
9B	IMAZAQUIN	1.50 AS	.125 LB/AC PPI							
10A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	100	95	95	28	28
10B	FMC 57020	4.00 EC	.750 LB/AC PPI							
11A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	100	100	100	22	20
11B	FMC 57020	4.00 EC	1.000 LB/AC PPI							
12A	METOLACHLOR	8.00 E	1.500 LB/AC PPI		0	95	92	95	62	58
12B	IMAZETHAPYR	2.00 AS	.047 LB/AC PPI							
13A	METOLACHLOR	8.00 E	1.500 LB/AC PPI		0	98	92	95	72	68
13B	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI							
14A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	90	98	95	60	60
14B	IMAZETHAPYR	2.00 AS	.047 LB/AC PPI							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- 8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
26A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	90	98	92	88	85
26B	METRIBUZIN 2	75.00 DF	.380 LB/AC	PPI						
26C	CHLORIMURON	25.00 DF	.008 LB/AC	EP						
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
27A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	2	90	98	85	88	90
27B	LINURON	4.00 L	.280 LB/AC	PPI						
27C	CHLORIMURON	25.00 DF	.008 LB/AC	EP						
27D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
28A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	90	100	85	90	90
28B	LINURON	4.00 L	.380 LB/AC	PPI						
28C	CHLORIMURON	25.00 DF	.008 LB/AC	EP						
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
29A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	92	98	85	88	78
29B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP						
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
30A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	90	65	95	78	72
30B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PPI						
31A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	90	82	98	82	78
31B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PPI						
32A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	90	80	95	75	75
32B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI						
33A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	95	90	95	85	88
33B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI						
34A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	2	90	72	98	85	82
34B	DPX 8259	60.00 DF	.450 LB/AC	PPI						
35A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	90	88	100	82	82
35B	DPX 8259	60.00 DF	.600 LB/AC	PPI						
36A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	2	92	98	88	88	80
36B	LACTOFEN	2.00 E	.200 LB/AC	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- 8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
37A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	5	92	98	88	92	82
37B	LACTOFEN	2.00 E	.200 LB/AC	EP						
37C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
38A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	2	92	98	88	88	85
38B	LACTOFEN	2.00 E	.150 LB/AC	EP						
38C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
39A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	8	90	98	82	95	85
39B	LACTOFEN	2.00 E	.200 LB/AC	EP						
39C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
40A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	5	90	95	95	90	90
40B	LACTOFEN	2.00 E	.150 LB/AC	EP						
40C	BENTAZON	4.00 E	.380 LB/AC	EP						
40D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
41A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	2	98	100	95	95	92
41B	LACTOFEN	2.00 E	.150 LB/AC	EP						
41C	IMAZAQUIN	1.50 AS	.125 LB/AC	EP						
41D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
42A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	5	85	98	90	95	95
42B	LACTOFEN	2.00 E	.150 LB/AC	EP						
42C	CHLORIMURON	25.00 DF	.008 LB/AC	EP						
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
43A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	92	75	90	70	72
43B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI						
44A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	98	90	100	85	82
44B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI						
45A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	100	100	95	98	92
45B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP						
45C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
46A	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI	0	98	100	98	30	30
46B	FMC 57020	4.00 EC	.750 LB/AC	PPI						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- 8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
47A	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI	0	75	98	100	40	40
47B	FMC 57020	4.00 EC	.750 LB/AC	PPI						
48A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	2	92	80	95	80	82
48B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI						
49A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	92	100	88	82	80
49B	IMAZAQUIN	1.50 AS	.125 LB/AC	EP						
49C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
50A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	95	100	92	80	80
50B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP						
50C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
51A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	88	68	98	85	80
51B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI						
52A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	98	98	98	90	85
52B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI						
53A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	5	100	100	98	98	90
53B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP						
53C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
54A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	95	85	100	90	90
54B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI						
55	FMC 57020	4.00 EC	1.000 LB/AC	PPI	0	100	92	98	22	20
56A	FMC 57020	4.00 EC	1.000 LB/AC	PPI	0	100	98	98	25	25
56B	METRIBUZIN 1	4.00 F	.190 LB/AC	PPI						
57A	FMC 57020	4.00 EC	1.000 LB/AC	PPI	0	100	100	100	30	22
57B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI						
58A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	100	98	98	52	52
58B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI						
59A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	98	90	100	78	78
59B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI						

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TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- 8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
60A	FMC 57020	4.00 EC	.750 LB/AC	PPI	2	100	92	100	58	58
60B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI						
61A	FMC 57020	4.00 EC	.750 LB/AC	PPI	2	100	95	100	60	58
61B	IMAZETHAPYR	2.00 AS	.060 LB/AC	PPI						
62A	FMC 57020	4.00 EC	.750 LB/AC	PPI	2	95	100	90	55	45
62B	LACTOFEN	2.00 E	.200 LB/AC	EP						
63	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	88	62	92	60	62
64	IMAZETHAPYR	2.00 AS	.078 LB/AC	PPI	0	90	82	88	70	70
65	IMAZETHAPYR	2.00 AS	.093 LB/AC	PPI	0	92	85	85	75	75
66A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	92	95	98	85	88
66B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI						
67A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	92	88	90	80	78
67B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI						
68	TREFLAN + METRIBUZIN	4.00 EC	1.500 LB/AC	PPI	0	90	75	92	80	82
69A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	0	92	90	95	82	80
69B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI						
70A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	0	90	78	98	75	75
70B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI						
71A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	0	95	88	100	58	52
71B	FMC 57020	4.00 EC	.250 LB/AC	PPI						
72	TRIFLUR. + FMC 57020	5.25 EC	1.640 LB/AC	PPI	0	98	90	95	80	80
73A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	0	95	95	100	65	62
73B	METRIBUZIN	75.00 DF	.380 LB/AC	PPI						
74A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	0	100	98	98	80	82
74B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI						

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TABLE S7013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- 8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
75A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	0	98	92	100	80	75
75B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI						
76A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	0	98	100	100	45	45
76B	FMC 57020	4.00 EC	.250 LB/AC	PPI						
77	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PPI	0	95	90	95	68	68
78	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
			LSD(05):		3	10	15	9	15	15

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.4 O.M.: 3.4%

DATE PLANTED: MAY 11

DATE TREATED: PPI MAY 11

VARIETY: WILLIAMS 82

EP MAY 26

MP JUNE 3

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TABLE S7061 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	JIWE	ILMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	97	63	0	97	83	70	30	73
1B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	90	87	0	90	90	83	80	90
2B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
3A	ALACHLOR	4.00 MT	2.000 LB/AC	PPI	97	60	0	97	67	77	37	93
3B	FMC 57020	4.00 EC	.500 LB/AC	PPI								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	97	53	0	97	53	57	37	80
4B	FMC 57020	4.00 EC	.380 LB/AC	PPI								
5A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	100	70	3	100	87	70	53	93
5B	FMC 57020	4.00 EC	.750 LB/AC	PPI								
6A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	97	77	3	97	77	90	77	90
6B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI								
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	97	73	7	97	83	77	70	93
7B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI								
7C	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI								
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	97	80	3	97	83	93	77	87
8B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI								
8C	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI								
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	97	67	0	97	80	80	50	97
9B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI								
9C	FMC 57020	4.00 EC	.250 LB/AC	PPI								
10A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	73	0	97	83	73	80	70
10B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI								
11A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	73	0	93	73	63	80	83
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
11C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI								
12A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	77	3	97	77	70	80	97
12B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI								
12C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI								
13A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	63	0	93	80	60	80	90
13B	METRIBUZIN 1	4.00 F	.400 LB/AC	PPI								
13C	FMC 57020	4.00 EC	.250 LB/AC	PPI								

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TABLE S7061 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	JIWE	IIMG	VELE
14A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	93	93	7	93	100	97	93	100
14B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PPI								
14C	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
15A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	93	83	0	93	87	87	90	87
15B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PPI								
16A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	87	83	7	87	97	83	80	90
16B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI								
17A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	93	70	0	93	77	57	83	73
17B	DPX 8259	60.00 DF	.600 LB/AC	PPI								
18A.	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	90	10	97	87	93	90	90
18B	LACTOFEN	2.00 E	.200 LB/AC	EP								
19A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	83	90	20	83	93	100	97	90
19B	BENTAZON	4.00 E	.330 LB/AC	MP								
19C	ACIFLUORFEN	2.00 L	.170 LB/AC	MP								
19D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
20A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	90	17	93	90	90	90	100
20B	BENTAZON	4.00 E	.500 LB/AC	EP								
20C	ACIFLUORFEN	2.00 L	.250 LB/AC	EP								
20D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
21A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	97	23	90	100	100	100	97
21B	BENTAZON	4.00 E	.500 LB/AC	MP								
21C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
21D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
22A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	97	33	93	100	97	100	100
22B	BENTAZON + ACIFLUORF	4.00 E	1.500 LB/AC	MP								
22C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
23A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	93	90	0	93	87	90	87	90
23B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI								
24A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	97	87	7	97	100	100	93	80
24B	IMAZAQUIN	1.50 AS	.125 LB/AC	EP								
24C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
25A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	100	87	3	100	83	93	87	97
25B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI								

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TABLE S7061 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	JIWE	ILMG	VELE
26A	ETHALFLURALIN	3.00 E	.940	LB/AC PPI	100	97	13	100	100	100	100	97
26B	IMAZETHAPYR	2.00 AS	.060	LB/AC EP								
26C	X-77 (SURFACTANT)	.50 WA	.250	% EP								
27A	FMC 57020	4.00 EC	.750	LB/AC PPI	97	80	3	97	90	80	63	93
27B	IMAZAQUIN	1.50 AS	.060	LB/AC PPI								
28A	FMC 57020	4.00 EC	.750	LB/AC PPI	97	73	0	97	87	83	63	97
28B	IMAZAQUIN	1.50 AS	.090	LB/AC PPI								
29A	FMC 57020	4.00 EC	.750	LB/AC PPI	93	77	0	93	90	77	80	97
29B	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PPI								
30	IMAZETHAPYR	2.00 AS	.063	LB/AC PPI	90	70	0	90	87	87	47	83
31	IMAZETHAPYR	2.00 AS	.078	LB/AC PPI	90	77	3	90	77	70	70	80
32	IMAZETHAPYR	2.00 AS	.093	LB/AC PPI	90	80	0	90	90	87	70	90
33A	IMAZETHAPYR	2.00 AS	.063	LB/AC PPI	93	77	0	93	80	67	90	90
33B	PENDIMETHALIN	4.00 E	1.000	LB/AC PPI								
34	TREFLAN + METRIBUZIN	4.00 EC	1.500	LB/AC PPI	97	63	0	97	80	37	70	83
35	TRIFLUR. + FMC 57020	5.25 EC	1.640	LB/AC PPI	97	77	0	97	83	80	80	90
36A	TRIFLUR. + FMC 57020	5.25 EC	1.310	LB/AC PPI	93	77	3	93	77	73	80	93
36B	IMAZAQUIN	1.50 AS	.060	LB/AC PPI								
37A	METALACHLOR + METRIB	8.00 EC	2.750	LB/AC PPI	100	63	0	100	83	83	23	97
37B	FMC 57020	4.00 EC	.250	LB/AC PPI								
38	PENDAMETHALIN + IMAZ	2.33 EC	.870	LB/AC PPI	90	83	3	90	90	73	90	93
			LSD(05):		9	17	7	9	21	28	24	13

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 13
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM
 PH: 6.5 O.M.: 3.6%
 DATE TREATED: PPI MAY 13
 EP MAY 26
 MP JUNE 1

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7061 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	COCB	JIWE	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	97	77	67	80
1B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	90	87	50	90
2B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI					
3A	ALACHLOR	4.00 MT	2.000 LB/AC	PPI	0	97	67	57	93
3B	FMC 57020	4.00 EC	.500 LB/AC	PPI					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	0	97	50	27	80
4B	FMC 57020	4.00 EC	.380 LB/AC	PPI					
5A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	0	100	87	77	97
5B	FMC 57020	4.00 EC	.750 LB/AC	PPI					
6A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	0	97	67	83	93
6B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI					
7A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	97	87	40	93
7B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI					
7C	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI					
8A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	97	83	70	90
8B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI					
8C	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI					
9A	METOLACHLOR	8.00 E	2.500 LB/AC	PPI	0	90	80	63	97
9B	METRIBUZIN 1	4.00 F	.420 LB/AC	PPI					
9C	FMC 57020	4.00 EC	.250 LB/AC	PPI					
10A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	97	83	47	73
10B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI					
11A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	93	67	37	83
11B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI					
11C	IMAZAQUIN	1.50 AS	.063 LB/AC	PPI					
12A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	97	77	43	97
12B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI					
12C	IMAZAQUIN	1.50 AS	.096 LB/AC	PPI					
13A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	93	77	37	90
13B	METRIBUZIN 1	4.00 F	.400 LB/AC	PPI					
13C	FMC 57020	4.00 EC	.250 LB/AC	PPI					

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TABLE S7061 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	COCB	JIWE	VELE
14A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	87	100	93	100
14B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PPI					
14C	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
15A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	77	83	80	87
15B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PPI					
16A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	83	93	60	90
16B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI					
17A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	0	93	77	23	80
17B	DPX 8259	60.00 DF	.600 LB/AC	PPI					
18A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	97	87	80	90
18B	LACTOFEN	2.00 E	.200 LB/AC	EP					
19A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	70	93	90	90
19B	BENTAZON	4.00 E	.330 LB/AC	MP					
19C	ACIFLUORFEN	2.00 L	.170 LB/AC	MP					
19D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
20A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	93	90	67	100
20B	BENTAZON	4.00 E	.500 LB/AC	EP					
20C	ACIFLUORFEN	2.00 L	.250 LB/AC	EP					
20D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP					
21A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	90	100	80	97
21B	BENTAZON	4.00 E	.500 LB/AC	MP					
21C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP					
21D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
22A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	93	97	90	100
22B	BENTAZON + ACIFLUORF	4.00 E	1.500 LB/AC	MP					
22C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
23A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	93	80	70	90
23B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI					
24A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	100	100	100	83
24B	IMAZAQUIN	1.50 AS	.125 LB/AC	EP					
24C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
25A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	100	67	87	97
25B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7061 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	GIFT	COCB	JIWE	VELE
26A	ETHALFLURALIN	3.00 E	.940 LB/AC	PPI	0	100	93	97	97
26B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP					
26C	X-77 (SURFACTANT)	.50 WA	.250 †	EP					
27A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	97	90	60	93
27B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI					
28A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	97	80	67	97
28B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI					
29A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	93	87	33	97
29B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI					
30	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	90	87	80	83
31	IMAZETHAPYR	2.00 AS	.078 LB/AC	PPI	0	90	77	63	80
32	IMAZETHAPYR	2.00 AS	.093 LB/AC	PPI	0	93	83	83	93
33A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	97	73	30	90
33B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PPI					
34	TREFLAN + METRIBUZIN	4.00 EC	1.500 LB/AC	PPI	0	97	80	17	87
35	TRIFLUR. + FMC 57020	5.25 EC	1.640 LB/AC	PPI	0	97	73	47	93
36A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	0	93	77	43	93
36B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI					
37A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	0	100	80	63	97
37B	FMC 57020	4.00 EC	.250 LB/AC	PPI					
38	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PPI	0	90	90	40	93
LSD (05):					0	12	24	38	11

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.6%

DATE PLANTED: MAY 13

DATE TREATED: PPI MAY 13

VARIETY: WILLIAMS 82

EP MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				---8 WEEKS AFTER APPL						
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	TAMG	CRIN	JIWE	COLO	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	65	0	85	92	82	65	0	85	75	58
1B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
1C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	70	25	98	92	62	80	0	85	55	70
2B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP											
2C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	58	0	98	100	32	62	0	90	28	55
3B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
3C	IMAZAQUIN	1.50 AS	.030 LB/AC	MP											
3D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	0	100	100	22	70	0	90	25	60
4B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
4C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP											
4D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	0	100	100	35	70	0	90	35	60
5B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
5C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP											
5D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	62	0	100	100	50	65	0	90	45	58
6B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
6C	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
6D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	65	2	100	75	55	75	0	90	30	65
7B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP											
7C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP											
7D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	0	100	100	38	68	0	90	35	58
8B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP											
8C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP											
8D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	70	2	100	100	38	80	0	90	35	70
9B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP											
9C	IMAZAQUIN	1.50 AS	.125 LB/AC	MP											
9D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											

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TABLE S7014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				----8 WEEKS AFTER APPL						
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	CRIN	JIWE	COLQ	TAMG
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	70	0	98	98	82	72	0	88	68	62
10B	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE											
10C	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
10D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	65	0	100	100	60	72	0	90	55	65
11B	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE											
11C	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP											
11D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	0	98	100	82	78	0	90	72	70
12B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
12C	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP											
12D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	0	95	100	90	88	0	90	80	78
13B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
13C	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP											
13D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP											
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	52	0	100	98	100	38	0	88	78	35
14B	BENAZOLIN	4.00 F	.380 LB/AC	MP											
14C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	45	0	100	100	100	35	0	80	90	35
15B	BENAZOLIN	4.00 F	.380 LB/AC	MP											
15C	VARIQUAT	.50 WA	.500 %	MP											
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	75	0	92	95	100	68	0	88	90	62
16B	BENAZOLIN	4.00 F	.380 LB/AC	MP											
16C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP											
16D	TRITON AG 98 SURFACT	.00 WA	.125 %	MP											
17A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	40	0	100	100	100	25	0	90	90	25
17B	RE 45601	2.00 EC	.075 LB/AC	MP											
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
18A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	50	0	100	90	98	38	0	82	88	38
18B	RE 45601	2.00 EC	.100 LB/AC	MP											
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				---8 WEEKS AFTER APPL						
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	CRIN	JIWE	COLQ	TAMG
19A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	40	0	100	92	100	35	0	82	90	35
19B	RE 45601	2.00 EC	.125 LB/AC	MP											
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
20A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	42	0	100	75	98	25	0	70	88	52
20B	RE 45601	2.00 EC	.250 LB/AC	MP											
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
21A	METRIBUZIN	75.00 DF	.500 LB/AC	PRE	100	55	0	100	90	100	40	0	80	90	40
21B	RE 45601	2.00 EC	.060 LB/AC	MP											
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
21D	RE 45601	2.00 EC	.060 LB/AC	REG											
21E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	REG											
22A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	100	48	0	100	78	55	48	0	70	50	42
22B	RE 45601	2.00 EC	.100 LB/AC	MP											
22C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
23A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	75	0	100	100	95	70	0	90	85	60
23B	RE 45601	2.00 EC	.100 LB/AC	MP											
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
24A	BENTAZON	4.00 E	.750 LB/AC	MP	100	80	0	100	100	100	78	0	90	90	70
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
24C	RE 45601	2.00 EC	.075 LB/AC	+1D											
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+1D											
25A	BENTAZON	4.00 E	.750 LB/AC	MP	100	75	0	100	100	88	65	0	90	78	55
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
25C	RE 45601	2.00 EC	.100 LB/AC	+1D											
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+1D											
26A	BENTAZON	4.00 E	.750 LB/AC	MP	100	72	0	100	100	100	68	0	90	90	60
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
26C	RE 45601	2.00 EC	.125 LB/AC	+1D											
26D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+1D											
27A	BENTAZON	4.00 E	.750 LB/AC	MP	100	82	0	100	88	88	85	0	78	78	75
27B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP											
27C	FENOXAPROP	1.00 EC	.200 LB/AC	MP											
27D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP											

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TABLE S7014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				---8 WEEKS AFTER APPL						
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	CRIN	JIWE	COLQ	TAMG
28A	BENTAZON	4.00 E	.750 LB/AC	EP	100	65	0	100	78	45	70	0	70	42	62
28B	ACIFLUORFEN	2.00 L	.250 LB/AC	EP											
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
28D	FENOXAPROP	1.00 EC	.100 LB/AC	+5D											
28E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+5D											
29A	FENOXAPROP	1.00 EC	.100 LB/AC	MP	100	35	0	100	88	0	28	0	80	0	28
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
30A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	98	80	0	98	98	75	88	0	88	70	78
30B	CHLORIMURON	25.00 DF	.008 LB/AC	MP											
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
31A	FENOXAPROP	1.00 EC	.150 LB/AC	MP	98	68	0	98	100	98	62	0	90	88	55
31B	BENTAZON	4.00 E	.750 LB/AC	MP											
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
32A	FENOXAPROP	1.00 EC	.100 LB/AC	MP	100	58	0	100	100	30	80	0	90	30	72
32B	ACIFLUORFEN	2.00 L	.380 LB/AC	MP											
33A	RE 45601	2.00 EC	.100 LB/AC	MP	100	35	0	100	72	8	32	0	65	8	32
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
34A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	100	62	0	100	100	8	90	0	90	8	80
34B	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
35A	IMAZETHAPYR	2.00 AS	.078 LB/AC	MP	98	68	5	98	100	20	82	0	90	20	72
35B	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
36A	IMAZETHAPYR	2.00 AS	.094 LB/AC	MP	100	72	0	100	100	48	88	0	90	45	78
36B	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
37A	IMAZETHAPYR	2.00 AS	.063 LB/AC	EP	100	58	0	100	85	35	80	0	78	35	70
37B	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
37C	10 34 0	.00 AD	1.000 QT/AC	EP											
38A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	100	70	0	100	100	38	90	0	92	38	80
38B	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
38C	10 34 0	.00 AD	1.000 QT/AC	MP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				---8 WEEKS AFTER APPL						
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	TAMG	CRIN	JIWE	COLQ	TAMG
39A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	100	68	8	100	100	15	92	0	90	15	82
39B	X-77 (SURFACTANT)	.50 WA	.250 %	LP											
39C	10 34 0	.00 AD	1.000 QT/AC	LP											
40A	IMAZETHAPYR	2.00 AS	.078 LB/AC	EP	100	68	0	100	82	52	70	0	75	48	62
40B	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
40C	10 34 0	.00 AD	1.000 QT/AC	EP											
41A	IMAZETHAPYR	2.00 AS	.078 LB/AC	MP	100	82	0	100	100	72	90	0	90	65	80
41B	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
41C	10 34 0	.00 AD	1.000 QT/AC	MP											
42A	IMAZETHAPYR	2.00 AS	.078 LB/AC	LP	100	68	10	100	100	40	95	0	90	38	85
42B	X-77 (SURFACTANT)	.50 WA	.250 %	LP											
42C	10 34 0	.00 AD	1.000 QT/AC	LP											
43A	IMAZETHAPYR	2.00 AS	.094 LB/AC	EP	98	80	0	98	95	90	78	0	85	80	68
43B	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
43C	10 34 0	.00 AD	1.000 QT/AC	EP											
44A	IMAZETHAPYR	2.00 AS	.094 LB/AC	MP	100	80	0	100	100	80	90	0	90	72	80
44B	X-77 (SURFACTANT)	.50 WA	.250 %	MP											
44C	10 34 0	.00 AD	1.000 QT/AC	MP											
45A	IMAZETHAPYR	2.00 AS	.094 LB/AC	LP	100	68	5	100	100	30	92	0	90	28	82
45B	X-77 (SURFACTANT)	.50 WA	.250 %	LP											
45C	10 34 0	.00 AD	1.000 QT/AC	LP											
46	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100
			LSD(05):		NS	13	NS	NS	18	30	15	0	13	28	15

LOCATION: SPINDLETOP FARM

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

DATE PLANTED: MAY 11

VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM

PH: 6.5 O.M.: 3.8%

DATE TREATED: PRE MAY 11

EP MAY 22

+5D MAY 28

MP (TOTAL POE) MAY 26

MP (UNDER PRE) MAY 28

+1D MAY 28

LP JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	PESW	VELE	
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	37	0	90	83	40	70	80	100	100	
1B	CHLORIMURON	25.00 DF	.004 LB/AC	EP											
1C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	47	3	90	87	73	53	70	100	97	
2B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
2C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	47	0	90	80	50	50	83	97	93	
3B	CHLORIMURON	25.00 DF	.004 LB/AC	EP											
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	63	0	87	87	67	70	70	100	100	
4B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	50	0	90	90	53	73	93	100	100	
5B	CHLORIMURON	25.00 DF	.008 LB/AC	MP											
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	70	0	87	83	77	77	80	100	97	
6B	CHLORIMURON	25.00 DF	.012 LB/AC	MP											
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	53	0	90	87	73	57	57	93	90	
7B	CHLORIMURON	25.00 DF	.004 LB/AC	EP											
7C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	57	0	90	83	60	73	67	93	97	
8B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
8C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	50	0	90	83	60	67	57	100	83	
9B	CHLORIMURON	25.00 DF	.004 LB/AC	EP											
9C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
9D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	47	3	90	83	53	67	50	93	100	
10B	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
10C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
10D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	43	0	90	83	60	53	43	100	87	
11B	CHLORIMURON	25.00 DF	.004 LB/AC	EP											
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
11D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	PESW	VELE	
12A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	90	33	0	90	90	47	53	47	100	93	
12B	CHLORIMURON	25.00 DF	.008	LB/AC EP											
12C	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
12D	LIQUID FERTILIZER	.00 AD	4.000	QT/AC EP											
13A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	93	47	0	93	90	77	53	63	100	93	
13B	CHLORIMURON	25.00 DF	.004	LB/AC EP											
13C	IMAZAQUIN	1.50 AS	.030	LB/AC EP											
13D	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
14A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	93	47	0	93	90	90	57	47	100	87	
14B	CHLORIMURON	25.00 DF	.004	LB/AC EP											
14C	IMAZAQUIN	1.50 AS	.063	LB/AC EP											
14D	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
15A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	97	60	3	97	90	80	63	80	97	100	
15B	CHLORIMURON	25.00 DF	.008	LB/AC EP											
15C	IMAZAQUIN	1.50 AS	.030	LB/AC EP											
15D	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
16A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	93	60	0	93	93	73	60	87	97	93	
16B	CHLORIMURON	25.00 DF	.008	LB/AC EP											
16C	IMAZAQUIN	1.50 AS	.063	LB/AC EP											
16D	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
17A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	90	70	10	87	87	83	77	70	100	100	
17B	CHLORIMURON	25.00 DF	.012	LB/AC EP											
17C	IMAZAQUIN	1.50 AS	.030	LB/AC EP											
17D	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
18A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	100	70	20	100	90	80	70	83	97	100	
18B	CHLORIMURON	25.00 DF	.012	LB/AC EP											
18C	IMAZAQUIN	1.50 AS	.063	LB/AC EP											
18D	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
19A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	93	37	0	93	93	80	40	80	100	93	
19B	IMAZAQUIN	1.50 AS	.030	LB/AC EP											
19C	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
20A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	93	47	0	93	87	80	53	67	100	83	
20B	IMAZAQUIN	1.50 AS	.063	LB/AC EP											
20C	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											
21A	ALACHLOR	4.00 MT	2.500	LB/AC PRE	93	50	0	93	90	90	57	60	93	83	
21B	IMAZAQUIN	1.50 AS	.125	LB/AC EP											
21C	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP											

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	ILMG	TAMG	PESW	VELE	
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	80	63	0	80	83	80	73	80	100	93	
22B	DPX 32054	25.00 DF	.004 LB/AC	EP											
22C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	60	0	83	93	97	67	77	100	97	
23B	DPX 32054	25.00 DF	.008 LB/AC	EP											
23C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	73	3	83	83	93	73	80	100	93	
24B	DPX 32054	25.00 DF	.013 LB/AC	EP											
24C	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	73	0	83	87	100	73	73	100	97	
25B	DPX 32054	25.00 DF	.004 LB/AC	EP											
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	67	0	90	87	97	67	93	100	97	
26B	DPX 32054	25.00 DF	.008 LB/AC	EP											
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	73	3	83	83	97	77	73	100	93	
27B	DPX 32054	25.00 DF	.013 LB/AC	EP											
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	80	70	0	80	87	97	70	90	100	97	
28B	DPX 32054	25.00 DF	.004 LB/AC	EP											
28C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	67	0	87	77	97	70	77	97	90	
29B	DPX 32054	25.00 DF	.008 LB/AC	EP											
29C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	73	3	87	87	97	73	83	100	100	
30B	DPX 32054	25.00 DF	.013 LB/AC	EP											
30C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	53	0	90	83	100	53	90	100	93	
31B	DPX 32054	25.00 DF	.004 LB/AC	EP											
31C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
31D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
32A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	53	0	90	87	97	53	70	93	90	
32B	DPX 32054	25.00 DF	.008 LB/AC	EP											
32C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
32D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	PESW	VELE	
33A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	67	0	83	83	93	70	77	100	93	
33B	DPX 32054	25.00 DF	.013 LB/AC	EP											
33C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
33D	X-77 (SURFACTANT)	.50 WA	.250 %	EP											
34A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	83	67	0	83	87	93	73	67	97	93	
34B	DPX 32054	25.00 DF	.004 LB/AC	EP											
34C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
34D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
35A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	57	0	87	83	90	60	57	97	87	
35B	DPX 32054	25.00 DF	.008 LB/AC	EP											
35C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
35D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
36A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	77	3	77	73	97	77	77	93	90	
36B	DPX 32054	25.00 DF	.013 LB/AC	EP											
36C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP											
36D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
37A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	93	73	0	93	83	77	73	83	100	100	
37B	CHLORIMURON	25.00 DF	.008 LB/AC	MP											
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
38A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	93	67	0	93	80	80	77	83	97	97	
38B	CHLORIMURON	25.00 DF	.008 LB/AC	MP											
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
39A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	60	0	100	83	100	67	60	100	97	
39B	QUIZALOFOP	.80 L	.050 LB/AC	MP											
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
40A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	100	50	0	100	87	93	50	90	100	100	
40B	QUIZALOFOP	.80 L	.080 LB/AC	MP											
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
LSD (05) :					8	18	5	9	NS	20	18	28	NS	10	

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.6 O.M.: 3.6%

DATE PLANTED: MAY 11

DATE TREATED: PRE MAY 11

VARIETY: WILLIAMS 82

EP MAY 22

MP (BRLE) MAY 28

MP (GRASS) JUNE 2

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	83	23	60	47	90
1B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
1C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	77	60	60	53	93
2B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
2C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	83	40	57	50	87
3B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	83	43	60	40	87
4B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	87	30	63	60	90
5B	CHLORIMURON	25.00 DF	.008 LB/AC	MP							
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	87	37	63	47	93
6B	CHLORIMURON	25.00 DF	.012 LB/AC	MP							
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	87	73	60	40	83
7B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
7C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	87	47	63	53	100
8B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
8C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	87	50	50	33	90
9B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
9C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
9D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	80	47	60	43	90
10B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
10C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
10D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	83	67	63	43	87
11B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
11D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	87	47	57	43	90
12B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
12D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	83	57	67	43	87
13B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
13C	IMAZAQUIN	1.50 AS	.030 LB/AC	EP							
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	87	80	63	47	93
14B	CHLORIMURON	25.00 DF	.004 LB/AC	EP							
14C	IMAZAQUIN	1.50 AS	.063 LB/AC	EP							
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	90	60	53	30	90
15B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
15C	IMAZAQUIN	1.50 AS	.030 LB/AC	EP							
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	87	70	67	47	93
16B	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
16C	IMAZAQUIN	1.50 AS	.063 LB/AC	EP							
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	83	80	67	53	93
17B	CHLORIMURON	25.00 DF	.012 LB/AC	EP							
17C	IMAZAQUIN	1.50 AS	.030 LB/AC	EP							
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	100	90	87	63	47	97
18B	CHLORIMURON	25.00 DF	.012 LB/AC	EP							
18C	IMAZAQUIN	1.50 AS	.063 LB/AC	EP							
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	87	83	60	33	90
19B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP							
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	93	90	60	47	90
20B	IMAZAQUIN	1.50 AS	.063 LB/AC	EP							
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	90	97	60	47	87
21B	IMAZAQUIN	1.50 AS	.125 LB/AC	EP							
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	73	87	67	53	87
22B	DPX 32054	25.00 DF	.004 LB/AC	EP							
22C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	77	90	63	50	87
23B	DPX 32054	25.00 DF	.008 LB/AC	EP							
23C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	87	77	87	67	50	83
24B	DPX 32054	25.00 DF	.013 LB/AC	EP							
24C	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	73	90	63	50	83
25B	DPX 32054	25.00 DF	.004 LB/AC	EP							
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	90	90	67	60	100
26B	DPX 32054	25.00 DF	.008 LB/AC	EP							
26C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	83	90	63	47	100
27B	DPX 32054	25.00 DF	.013 LB/AC	EP							
27C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	87	90	63	47	93
28B	DPX 32054	25.00 DF	.004 LB/AC	EP							
28C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	70	87	60	53	83
29B	DPX 32054	25.00 DF	.008 LB/AC	EP							
29C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	80	90	70	57	90
30B	DPX 32054	25.00 DF	.013 LB/AC	EP							
30C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	93	80	93	60	40	93
31B	DPX 32054	25.00 DF	.004 LB/AC	EP							
31C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
31D	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
32A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	83	90	57	40	87
32B	DPX 32054	25.00 DF	.008 LB/AC	EP							
32C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
32D	X-77 (SURFACTANT)	.50 WA	.250 %	EP							

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TABLE S7027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
33A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	63	83	67	50	90
33B	DPX 32054	25.00 DF	.013 LB/AC	EP							
33C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
33D	X-77 (SURFACTANT)	.50 WA	.250 %	EP							
34A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	70	80	60	43	93
34B	DPX 32054	25.00 DF	.004 LB/AC	EP							
34C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
34D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
35A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	73	87	67	53	90
35B	DPX 32054	25.00 DF	.008 LB/AC	EP							
35C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
35D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
36A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	70	90	60	50	90
36B	DPX 32054	25.00 DF	.013 LB/AC	EP							
36C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP							
36D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
37A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	0	90	83	73	67	57	90
37B	CHLORIMURON	25.00 DF	.008 LB/AC	MP							
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
38A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	0	90	83	67	63	47	93
38B	CHLORIMURON	25.00 DF	.008 LB/AC	MP							
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
39A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	97	87	87	73	57	97
39B	QUIZALOFOP	.80 L	.050 LB/AC	MP							
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
40A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	97	83	90	73	70	93
40B	QUIZALOFOP	.80 L	.080 LB/AC	MP							
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							

LSD(05) : NS NS 14 26 NS 19 NS

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.6 O.M.: 3.6%

DATE PLANTED: MAY 11

DATE TREATED: PRE MAY 11

VARIETY: WILLIAMS 82

EP MAY 22

MP (BRLE) MAY 28

MP (GRASS) JUNE 2

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
1A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	100	77	0	100	100	100	87	67
1B	BENTAZON	4.00 E	.750 LB/AC	MP								
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
2A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	100	73	0	100	100	100	60	63
2B	BENTAZON	4.00 E	.750 LB/AC	MP								
2C	DAX	.00 AD	1.000 QT/AC	MP								
3A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	97	83	0	100	97	100	73	87
3B	FOMESAFEN	2.00 LC	.250 LB/AC	MP								
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
4A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	97	77	0	97	97	87	70	77
4B	FOMESAFEN	2.00 LC	.250 LB/AC	MP								
4C	DAX	.00 AD	1.000 QT/AC	MP								
5A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	100	50	0	100	100	100	47	77
5B	CHLORIMURON	25.00 DF	.008 LB/AC	MP								
5C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
6A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	100	90	0	100	100	83	97	87
6B	BENTAZON	4.00 E	.750 LB/AC	MP								
6C	FOMESAFEN	2.00 LC	.188 LB/AC	MP								
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
7A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	97	87	0	97	97	67	97	87
7B	BENTAZON	4.00 E	.750 LB/AC	MP								
7C	FOMESAFEN	2.00 LC	.188 LB/AC	MP								
7D	DAX	.00 AD	1.000 QT/AC	MP								
8A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	97	80	0	97	97	100	60	93
8B	CHLORIMURON	25.00 DF	.004 LB/AC	MP								
8C	FOMESAFEN	2.00 LC	.250 LB/AC	MP								
8D	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
9A	BENTAZON	4.00 E	.750 LB/AC	EP	100	67	0	100	100	53	70	77
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
9C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
9D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
10A	BENTAZON	4.00 E	.750 LB/AC	EP	100	53	7	100	100	40	37	70
10B	FOMESAFEN	2.00 LC	.188 LB/AC	EP								
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
10D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
10E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
11A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	100	50	0	100	100	60	23	77
11B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
11C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
12A	CHLORIMURON	25.00 DF	.004 LB/AC	EP	100	70	0	100	100	80	60	90
12B	FOMESAFEN	2.00 LC	.250 LB/AC	EP								
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
12D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
12E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
13A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	97	87	0	100	97	77	83	93
13B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
13C	2,4-DB	2.00 E	.030 LB/AC	MP								
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
14A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	100	87	10	100	100	93	80	90
14B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
14C	2,4-DB	2.00 E	.030 LB/AC	MP								
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
15A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	100	57	0	100	100	60	43	73
15B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
15C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
16A	FOMESAFEN	2.00 LC	.313 LB/AC	EP	100	70	0	100	100	60	70	80
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
16C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
17A	FOMESAFEN	2.00 LC	.125 LB/AC	EP	100	60	0	100	100	40	50	83
17B	BENTAZON	4.00 E	.750 LB/AC	EP								
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
17D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
17E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
18A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	100	67	0	100	100	40	80	77
18B	BENTAZON	4.00 E	.500 LB/AC	EP								
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
18D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
18E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
19A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	100	70	0	100	100	67	60	87
19B	BENTAZON	4.00 E	.500 LB/AC	EP								
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
19D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
19E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
20A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	100	57	0	100	100	53	37	87
20B	BENTAZON	4.00 E	.500 LB/AC	EP								
20C	2, 4-DB	2.00 E	.030 LB/AC	EP								
20D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
20E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
21A	FOMESAFEN	2.00 LC	.188 LB/AC	MP	90	67	3	90	90	100	43	90
21B	CHLORIMURON	25.00 DF	.012 LB/AC	MP								
21C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
21D	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
22A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	100	70	0	100	100	47	63	87
22B	CHLORIMURON	25.00 DF	.006 LB/AC	EP								
22C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
22D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
22E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
23A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	100	63	0	100	100	67	50	77
23B	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
23D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
23E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
24A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	100	77	0	100	100	40	80	87
24B	CHLORIMURON	25.00 DF	.004 LB/AC	EP								
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
24D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
24E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
25A	FOMESAFEN	2.00 LC	.250	LB/AC EP	100	77	0	100	100	57	70	97
25B	CHLORIMURON	25.00 DF	.008	LB/AC EP								
25C	OIL CONCENTRATE	.00 AD	1.000	QT/AC EP								
25D	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC MP								
25E	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP								
26A	SETHOXYDIM	1.53 EC	.200	LB/AC LP	100	63	0	100	100	97	53	57
26B	ACIFLUORFEN	2.00 L	.250	LB/AC LP								
26C	DAX	.00 AD	1.000	QT/AC LP								
27A	SETHOXYDIM	1.53 EC	.200	LB/AC LP	100	70	0	100	100	100	63	57
27B	BENTAZON	4.00 E	.500	LB/AC LP								
27C	ACIFLUORFEN	2.00 L	.250	LB/AC LP								
27D	DAX	.00 AD	.500	QT/AC LP								
28A	SETHOXYDIM	1.53 EC	.200	LB/AC LP	100	63	3	100	100	100	47	53
28B	BENTAZON	4.00 E	.500	LB/AC LP								
28C	ACIFLUORFEN	2.00 L	.250	LB/AC LP								
28D	DAX	.00 AD	1.000	QT/AC LP								
29A	SETHOXYDIM	1.53 EC	.200	LB/AC LP	100	60	0	100	100	97	60	50
29B	BENTAZON	4.00 E	.500	LB/AC LP								
29C	ACIFLUORFEN	2.00 S	.250	LB/AC LP								
29D	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP								
30A	SETHOXYDIM	1.53 EC	.200	LB/AC LP	97	73	0	90	100	100	70	60
30B	BENTAZON	4.00 E	.500	LB/AC LP								
30C	ACIFLUORFEN	2.00 L	.250	LB/AC LP								
30D	DAX	.00 AD	.500	QT/AC LP								
30E	LIQUID FERTILIZER	.00 AD	4.000	QT/AC LP								
31A	SETHOXYDIM	1.53 EC	.200	LB/AC LP	100	63	0	100	100	97	57	50
31B	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP								
31C	BENTAZON	4.00 E	.500	LB/AC +1D								
31D	ACIFLUORFEN	2.00 L	.250	LB/AC +1D								
31E	OIL CONCENTRATE	.00 AD	1.000	QT/AC +1D								
32A	SETHOXYDIM	1.53 EC	.200	LB/AC MP	100	63	0	100	100	70	57	73
32B	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP								
32C	UBI 1484	2.00 L	1.500	LB/AC LP								
32D	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP								

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
33A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	97	77	17	100	97	80	67	93
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
33C	UBI 1484	2.00 L	1.500 LB/AC	LLP								
33D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP								
34A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	53	0	100	100	97	33	73
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
34C	UBI 1484	2.00 L	1.500 LB/AC	LP								
34D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP								
35A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	50	0	100	100	100	27	53
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
35C	UBI 1484	2.00 L	1.500 LB/AC	LP								
35D	10 34 0	.00 AD	1.000 QT/AC	LP								
36A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	53	0	100	100	70	53	53
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
36C	UBI 1484	2.00 L	1.500 LB/AC	LP								
36D	IMAZAQUIN	1.50 AS	.070 LB/AC	LP								
36E	X-77 (SURFACTANT)	.50 WA	.250 %	LP								
37A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	97	80	3	100	97	97	77	93
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
37C	UBI 1484	2.00 L	1.500 LB/AC	LLP								
37D	IMAZAQUIN	1.50 AS	.070 LB/AC	LLP								
37E	X-77 (SURFACTANT)	.50 WA	.250 %	LLP								
38A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	63	0	100	100	77	53	63
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
38C	UBI 1484	2.00 L	1.500 LB/AC	LP								
38D	CHLORIMURON	25.00 DF	.004 LB/AC	LP								
38E	X-77 (SURFACTANT)	.50 WA	.250 %	LP								
39A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	60	3	100	100	73	67	53
39B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
39C	UBI 1484	2.00 L	1.500 LB/AC	LP								
39D	LACTOFEN	2.00 E	.090 LB/AC	LP								
39E	X-77 (SURFACTANT)	.50 WA	.250 %	LP								
40A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	57	0	100	100	87	50	47
40B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
40C	UBI 1484	2.00 L	1.500 LB/AC	LP								
40D	ACIFLUORFEN 2	2.00 L	.250 LB/AC	LP								
40E	TRITON AG 98 SURFACT	.00 WA	.250 %	LP								
LSD (05) :					4	13	4	5	4	25	26	17

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TABLE S7033 SOYBEAN POSTEMERGENCE III

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 6.6 O.M.: 3.6%
DATE PLANTED: MAY 11	DATE TREATED: EP MAY 22
VARIETY: WILLAIMS 82	MP (TOTAL POE) MAY 28
	MP (GRASS) JUNE 2
	LP JUNE 8
	+1D JUNE 9
	LLP JUNE 13

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
1A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	100	100	97	83	63
1B	BENTAZON	4.00 E	.750 LB/AC	MP						
1C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
2A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	100	100	100	60	63
2B	BENTAZON	4.00 E	.750 LB/AC	MP						
2C	DAX	.00 AD	1.000 QT/AC	MP						
3A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	100	97	97	67	87
3B	FOMESAFEN	2.00 LC	.250 LB/AC	MP						
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
4A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	97	97	90	67	77
4B	FOMESAFEN	2.00 LC	.250 LB/AC	MP						
4C	DAX	.00 AD	1.000 QT/AC	MP						
5A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	100	100	100	20	77
5B	CHLORIMURON	25.00 DF	.008 LB/AC	MP						
5C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
6A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	97	97	90	93	87
6B	BENTAZON	4.00 E	.750 LB/AC	MP						
6C	FOMESAFEN	2.00 LC	.188 LB/AC	MP						
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
7A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	93	97	60	93	87
7B	BENTAZON	4.00 E	.750 LB/AC	MP						
7C	FOMESAFEN	2.00 LC	.188 LB/AC	MP						
7D	DAX	.00 AD	1.000 QT/AC	MP						
8A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	100	100	100	50	90
8B	CHLORIMURON	25.00 DF	.004 LB/AC	MP						
8C	FOMESAFEN	2.00 LC	.250 LB/AC	MP						
8D	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
9A	BENTAZON	4.00 E	.750 LB/AC	EP	0	100	100	43	53	77
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
9C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
9D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	GRFT	JIWE	COLO	TAMG
10A	BENTAZON	4.00 E	.750 LB/AC	EP	0	97	97	40	37	70
10B	FOMESAFEN	2.00 LC	.188 LB/AC	EP						
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
10D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
10E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
11A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	0	100	100	60	23	73
11B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
11C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
12A	CHLORIMURON	25.00 DF	.004 LB/AC	EP	0	100	100	67	50	90
12B	FOMESAFEN	2.00 LC	.250 LB/AC	EP						
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
12D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
12E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
13A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	0	100	97	80	63	93
13B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
13C	2,4-DB	2.00 E	.030 LB/AC	MP						
13D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
14A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	7	97	100	93	63	93
14B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
14C	2,4-DB	2.00 E	.030 LB/AC	MP						
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
15A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	0	100	100	57	40	73
15B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
15C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
15D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
16A	FOMESAFEN	2.00 LC	.313 LB/AC	EP	0	100	100	60	47	80
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
16C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
17A	FOMESAFEN	2.00 LC	.125 LB/AC	EP	0	97	97	40	37	83
17B	BENTAZON	4.00 E	.750 LB/AC	EP						
17C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
17D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
17E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	GRFT	JIWE	COLO	TAMG
18A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	0	100	100	43	70	77
18B	BENTAZON	4.00 E	.500 LB/AC	EP						
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
18D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
18E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
19A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	0	100	100	67	47	80
19B	BENTAZON	4.00 E	.500 LB/AC	EP						
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
19D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
19E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
20A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	0	100	100	53	23	83
20B	BENTAZON	4.00 E	.500 LB/AC	EP						
20C	2,4-DB	2.00 E	.030 LB/AC	EP						
20D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
20E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
21A	FOMESAFEN	2.00 LC	.188 LB/AC	MP	0	90	90	100	40	87
21B	CHLORIMURON	25.00 DF	.012 LB/AC	MP						
21C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
21D	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
22A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	0	100	100	47	47	87
22B	CHLORIMURON	25.00 DF	.006 LB/AC	EP						
22C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
22D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
22E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
23A	FOMESAFEN	2.00 LC	.188 LB/AC	EP	0	100	100	67	57	73
23B	CHLORIMURON	25.00 DF	.008 LB/AC	EP						
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
23D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
23E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
24A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	0	100	100	43	60	87
24B	CHLORIMURON	25.00 DF	.004 LB/AC	EP						
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
24D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
24E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
25A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	0	100	100	60	60	90
25B	CHLORIMURON	25.00 DF	.008 LB/AC	EP						
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
25D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP						
25E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
26A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	100	93	57	57
26B	ACIFLUORFEN	2.00 L	.250 LB/AC	LP						
26C	DAX	.00 AD	1.000 QT/AC	LP						
27A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	100	100	67	57
27B	BENTAZON	4.00 E	.500 LB/AC	LP						
27C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP						
27D	DAX	.00 AD	.500 QT/AC	LP						
28A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	97	100	100	50	53
28B	BENTAZON	4.00 E	.500 LB/AC	LP						
28C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP						
28D	DAX	.00 AD	1.000 QT/AC	LP						
29A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	100	97	63	43
29B	BENTAZON	4.00 E	.500 LB/AC	LP						
29C	ACIFLUORFEN	2.00 S	.250 LB/AC	LP						
29D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP						
30A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	97	100	100	73	57
30B	BENTAZON	4.00 E	.500 LB/AC	LP						
30C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP						
30D	DAX	.00 AD	.500 QT/AC	LP						
30E	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP						
31A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	100	100	97	67	53
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP						
31C	BENTAZON	4.00 E	.500 LB/AC	+1D						
31D	ACIFLUORFEN	2.00 L	.250 LB/AC	+1D						
31E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+1D						
32A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	100	67	63	73
32B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
32C	UBI 1484	2.00 L	1.500 LB/AC	LP						
32D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP						

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TABLE S7033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	GRFT	JIWE	COLQ	TAMG
33A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	7	100	100	83	73	90
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
33C	UBI 1484	2.00 L	1.500 LB/AC	LLP						
33D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LLP						
34A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	100	97	40	73
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
34C	UBI 1484	2.00 L	1.500 LB/AC	LP						
34D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	LP						
35A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	100	97	37	53
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
35C	UBI 1484	2.00 L	1.500 LB/AC	LP						
35D	10 34 0	.00 AD	1.000 QT/AC	LP						
36A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	97	100	80	67	60
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
36C	UBI 1484	2.00 L	1.500 LB/AC	LP						
36D	IMAZAQUIN	1.50 AS	.070 LB/AC	LP						
36E	X-77 (SURFACTANT)	.50 WA	.250 %	LP						
37A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	10	100	100	97	83	90
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
37C	UBI 1484	2.00 L	1.500 LB/AC	LLP						
37D	IMAZAQUIN	1.50 AS	.070 LB/AC	LLP						
37E	X-77 (SURFACTANT)	.50 WA	.250 %	LLP						
38A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	100	77	57	67
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
38C	UBI 1484	2.00 L	1.500 LB/AC	LP						
38D	CHLORIMURON	25.00 DF	.004 LB/AC	LP						
38E	X-77 (SURFACTANT)	.50 WA	.250 %	LP						
39A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	100	73	77	47
39B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
39C	UBI 1484	2.00 L	1.500 LB/AC	LP						
39D	LACTOFEN	2.00 E	.090 LB/AC	LP						
39E	X-77 (SURFACTANT)	.50 WA	.250 %	LP						
40A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	100	83	50	43
40B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
40C	UBI 1484	2.00 L	1.500 LB/AC	LP						
40D	ACIFLUORFEN 2	2.00 L	.250 LB/AC	LP						
40E	TRITON AG 98 SURFACT	.00 WA	.250 %	LP						

LSD (05) : 2 4 4 24 25 18

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TABLE S7033 SOYBEAN POSTEMERGENCE III

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.6 O.M.: 3.6%
DATE PLANTED: MAY 11 DATE TREATED: RP MAY 22
VARIETY: WILLAIMS 82 MP (TOTAL POE) MAY 28
MP (GRASS) JUNE 2
LP JUNE 8
+1D JUNE 9
LLP JUNE 13

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TABLE S7034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLIED								
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	RRPW	VELE
1A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	52	45	0	52	45	80	70	82	70
1B	BENTAZON	4.00 E	.330 LB/AC	EP									
1C	ACIFLUORFEN	2.00 L	.170 LB/AC	EP									
1D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP									
2A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	50	65	0	50	70	88	68	88	85
2B	BENTAZON	4.00 E	.330 LB/AC	MP									
2C	ACIFLUORFEN	2.00 L	.170 LB/AC	MP									
2D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									
3A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	60	42	0	60	48	85	70	85	62
3B	BENTAZON	4.00 E	.500 LB/AC	EP									
3C	ACIFLUORFEN	2.00 L	.250 LB/AC	EP									
3D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP									
4A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	48	68	0	48	68	98	75	98	90
4B	BENTAZON	4.00 E	.500 LB/AC	MP									
4C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP									
4D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									
5A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	48	65	0	48	65	90	75	98	92
5B	BENTAZON	4.00 E	.750 LB/AC	MP									
5C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP									
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									
6A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	60	78	0	60	78	98	80	98	95
6B	BENTAZON + ACIFLUORF	4.00 E	1.500 LB/AC	MP									
6C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP									
7	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100
			LSD (05):		18	14	0	18	15	11	10	NS	12

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.3 O.M.: 2.7%

DATE PLANTED: MAY 11

DATE TREATED: PPI MAY 11

VARIETY: WILLIAMS 82

EP MAY 22

MP MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7034 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	COCB	JIWE	COLQ	ILMG	VELE
1A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	48	75	35	92	78	75
1B	BENTAZON	4.00 E	.330 LB/AC	EP							
1C	ACIFLUORFEN	2.00 L	.170 LB/AC	EP							
1D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP							
2A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	28	85	75	88	78	92
2B	BENTAZON	4.00 E	.330 LB/AC	MP							
2C	ACIFLUORFEN	2.00 L	.170 LB/AC	MP							
2D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
3A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	55	65	35	85	78	65
3B	BENTAZON	4.00 E	.500 LB/AC	EP							
3C	ACIFLUORFEN	2.00 L	.250 LB/AC	EP							
3D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP							
4A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	25	88	68	92	78	98
4B	BENTAZON	4.00 E	.500 LB/AC	MP							
4C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
4D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
5A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	20	92	75	92	80	100
5B	BENTAZON	4.00 E	.750 LB/AC	MP							
5C	ACIFLUORFEN	2.00 L	.250 LB/AC	MP							
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
6A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	22	88	70	95	88	100
6B	BENTAZON + ACIFLUORF	4.00 E	1.500 LB/AC	MP							
6C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP							
7	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
			LSD (05) :		0	19	14	17	NS	9	13

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC) : 60 N, 60 P, 60 K
 DATE PLANTED: MAY 11
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM
 PH: 6.3 O.M.: 2.7%
 DATE TREATED: PPI MAY 11
 EP MAY 22
 MP MAY 26

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7062 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	ILMG	PESW	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	83	0	77	90	80	100	83
1B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP								
1C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	80	80	7	80	100	93	100	70
2B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP								
2C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP								
2D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	73	67	0	73	100	60	100	67
3B	BENAZOLIN	4.00 F	.380 LB/AC	MP								
3C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	77	0	77	70	87	100	90
4B	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
4C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	70	90	10	70	100	87	100	100
5B	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	83	3	87	93	83	100	97
6B	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
6C	IMAZAQUIN	1.50 AS	.030 LB/AC	EP								
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	3	100	100	83	100	93
7B	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
7C	IMAZAQUIN	1.50 AS	.063 LB/AC	EP								
7D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
8A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	73	90	7	73	100	90	100	90
8B	CHLORIMURON	25.00 DF	.008 LB/AC	MP								
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
9A	BENTAZON	4.00 E	.750 LB/AC	MP	97	73	0	97	93	80	77	100
9B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
9C	FENOXAPROP	1.00 EC	.200 LB/AC	MP								
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
10A	IMAZETHAPYR	2.00 AS	.078 LB/AC	MP	93	93	10	93	100	93	100	100
10B	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
11A	IMAZETHAPYR	2.00 AS	.078 LB/AC	EP	100	100	0	100	100	100	100	100
11B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
11C	10 34 0	.00 AD	1.000 QT/AC	EP								

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TABLE S7062 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	ILMG	PESW	VELE
12A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	97	40	0	97	100	67	30	100
12B	BENTAZON	4.00 E	.750 LB/AC	MP								
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
13A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	93	47	0	93	90	23	73	90
13B	BENTAZON	4.00 E	.750 LB/AC	MP								
13C	DAX	.00 AD	1.000 QT/AC	MP								
14A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	90	90	0	90	93	87	97	93
14B	FOMESAFEN	2.00 LC	.250 LB/AC	MP								
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
15A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	87	77	3	87	100	93	77	90
15B	FOMESAFEN	2.00 LC	.250 LB/AC	MP								
15C	DAX	.00 AD	1.000 QT/AC	MP								
16A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	93	70	17	93	100	93	67	93
16B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP								
16C	2,4-DB	2.00 E	.030 LB/AC	MP								
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
17A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	100	60	0	100	100	87	70	100
17B	BENTAZON	4.00 E	.500 LB/AC	LP								
17C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP								
17D	DAX	.00 AD	.500 QT/AC	LP								
18A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	100	57	0	100	100	80	37	93
18B	BENTAZON	4.00 E	.500 LB/AC	LP								
18C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP								
18D	DAX	.00 AD	1.000 QT/AC	LP								
19A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	97	57	0	97	100	63	63	93
19B	BENTAZON	4.00 E	.500 LB/AC	LP								
19C	ACIFLUORFEN	2.00 S	.250 LB/AC	LP								
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP								
20A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	100	53	0	100	100	53	100	37
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
20C	UBI 1484	2.00 L	1.500 LB/AC	LP								
20D	IMAZAQUIN	1.50 AS	.070 LB/AC	LP								
20E	X-77 (SURFACTANT)	.50 WA	.250 %	LP								
LSD (05) :					11	21	9	11	13	25	33	18

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TABLE S7062 SOYBEAN POSTEMERGENCE V

LOCATION:	SPINDLETOP FARM	SOIL TYPE:	MAURY SILT LOAM
FERTILIZATION (LB/AC):	60 N, 60 P, 60 K	PH:	6.5 O.M.: 3.6%
DATE PLANTED:	MAY 13	DATE TREATED:	PRE MAY 13
VARIETY:	WILLIAMS 82		EP MAY 26
			MP JUNE 1
			LP JUNE 8

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TABLE S7062 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---8 WEEKS AFTER APPLIED ---				
					CRIN	COCB	ILMG	RRPW	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	73	97	80
1B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP					
1C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	90	67	70
2B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP					
2C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP					
2D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	93	60	97	63
3B	BENAZOLIN	4.00 F	.380 LB/AC	MP					
3C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	67	87	100	93
4B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
4C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	87	97	100
5B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	83	97	97
6B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
6C	IMAZAQUIN	1.50 AS	.030 LB/AC	EP					
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	83	93	90
7B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
7C	IMAZAQUIN	1.50 AS	.063 LB/AC	EP					
7D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
8A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	0	97	90	97	90
8B	CHLORIMURON	25.00 DF	.008 LB/AC	MP					
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
9A	BENTAZON	4.00 E	.750 LB/AC	MP	0	93	77	77	97
9B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP					
9C	FENOXAPROP	1.00 EC	.200 LB/AC	MP					
9D	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP					
10A	IMAZETHAPYR	2.00 AS	.078 LB/AC	MP	0	93	90	93	100
10B	X-77 (SURFACTANT)	.50 WA	.250 %	MP					
11A	IMAZETHAPYR	2.00 AS	.078 LB/AC	EP	0	93	90	100	97
11B	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
11C	10 34 0	.00 AD	1.000 QT/AC	EP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7062 SOYBEAN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED --				
					CRIN	COCB	ILMG	RRPW	VELE
12A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	97	67	30	93
12B	BENTAZON	4.00 E	.750 LB/AC	MP					
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
13A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	90	23	40	90
13B	BENTAZON	4.00 E	.750 LB/AC	MP					
13C	DAX	.00 AD	1.000 QT/AC	MP					
14A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	90	87	97	90
14B	FOMESAFEN	2.00 LC	.250 LB/AC	MP					
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
15A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP	0	97	87	73	83
15B	FOMESAFEN	2.00 LC	.250 LB/AC	MP					
15C	DAX	.00 AD	1.000 QT/AC	MP					
16A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	0	97	90	73	90
16B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
16C	2,4-DB	2.00 E	.030 LB/AC	MP					
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
17A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	97	83	37	100
17B	BENTAZON	4.00 E	.500 LB/AC	LP					
17C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP					
17D	DAX	.00 AD	.500 QT/AC	LP					
18A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	97	77	37	93
18B	BENTAZON	4.00 E	.500 LB/AC	LP					
18C	ACIFLUORFEN	2.00 L	.250 LB/AC	LP					
18D	DAX	.00 AD	1.000 QT/AC	LP					
19A	SETHOXYDIM	1.53 EC	.200 LB/AC	LP	0	97	60	30	93
19B	BENTAZON	4.00 E	.500 LB/AC	LP					
19C	ACIFLUORFEN	2.00 S	.250 LB/AC	LP					
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP					
20A	SETHOXYDIM	1.53 EC	.200 LB/AC	MP	0	100	53	100	50
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
20C	UBI 1484	2.00 L	1.500 LB/AC	LP					
20D	IMAZAQUIN	1.50 AS	.070 LB/AC	LP					
20E	X-77 (SURFACTANT)	.50 WA	.250 †	LP					
LSD(05) :					0	14	23	40	23

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7062 SOYBEAN POSTEMERGENCE V

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 6.5 O.M.: 3.6%
DATE PLANTED: MAY 13	DATE TREATED: PRE MAY 13
VARIETY: WILLIAMS 82	EP MAY 26
	MP JUNE 1
	LP JUNE 8

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TABLE S7017 NO-TILL EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							-----8 WEEKS AFTER APPLIED -----				
					GRAS	BRLE	CRIN	LACG	HONE	PRLE	MRTL	CRIN	LACG	HONE	PRLE	MRTL
1A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	80	65	8	80	95	80	90	5	78	98	75	88
1B	METOLACHLOR	8.00 E	2.000 LB/AC	EPP												
1C	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP												
2A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	88	80	0	88	88	88	95	0	95	88	90	100
2B	METOLACHLOR	8.00 E	1.330 LB/AC	EPP												
2C	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP												
2D	METOLACHLOR	8.00 E	.660 LB/AC	PRE												
3A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	92	70	2	92	90	85	92	0	95	90	82	88
3B	METOLACHLOR	8.00 E	1.330 LB/AC	EPP												
3C	IMAZAQUIN	1.50 AS	.080 LB/AC	EPP												
3D	METOLACHLOR	8.00 E	.660 LB/AC	PRE												
3E	IMAZAQUIN	1.50 AS	.040 LB/AC	PRE												
4A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	100	62	0	100	90	62	88	0	100	98	68	88
4B	METOLACHLOR	8.00 E	2.000 LB/AC	EPP												
4C	IMAZETHAPYR	2.00 AS	.063 LB/AC	EPP												
5A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	98	58	0	98	95	70	90	0	98	95	65	90
5B	METOLACHLOR	8.00 E	1.330 LB/AC	EPP												
5C	IMAZETHAPYR	2.00 AS	.063 LB/AC	EPP												
5D	METOLACHLOR	8.00 E	.660 LB/AC	PRE												
6A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	100	58	0	100	98	60	88	0	100	100	52	88
6B	METOLACHLOR	8.00 E	1.330 LB/AC	EPP												
6C	IMAZETHAPYR	2.00 AS	.041 LB/AC	EPP												
6D	METOLACHLOR	8.00 E	.660 LB/AC	PRE												
6E	IMAZETHAPYR	2.00 AS	.021 LB/AC	PRE												
7A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	58	18	95	95	80	85	5	95	98	78	72
7B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE												
7C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE												
8A	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP	98	72	2	98	95	82	92	0	98	98	82	95
8B	IMAZAQUIN	1.50 AS	.125 LB/AC	EPP												
8C	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE												
9A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	88	78	22	88	100	92	95	10	80	100	92	95
9B	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PRE												
10A	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE	95	75	18	95	98	88	92	8	95	95	85	92
10B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE												
10C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE												

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TABLE S7017 NO-TILL EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----				-----8 WEEKS AFTER APPLIED --							
					GRAS	BRLE	CRIN	LACG	HONE	PRLE	MRTL	CRIN	LACG	HONE	PRLE	MRTL
11A	PARA + META + LIN	2.75 EC	1.380 LB/AC	EPP	85	92	0	85	92	100	100	0	95	95	100	100
11B	2,4-D ESTER	4.00 E	.500 LB/AC	EPP												
11C	X-77 (SURFACTANT)	.50 WA	.250 %	EPP												
11D	PARA + META + LIN	2.75 EC	1.380 LB/AC	PRE												
11E	DPX 8259	60.00 DF	.750 LB/AC	PRE												
11F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
12A	PARA + META + LIN	2.75 EC	1.380 LB/AC	EPP	88	92	0	88	92	100	100	0	88	95	100	100
12B	2,4-D ESTER	4.00 E	.500 LB/AC	EPP												
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EPP												
12D	PARAQUAT	1.50 S	.280 LB/AC	PRE												
12E	DPX 8259	60.00 DF	.750 LB/AC	PRE												
12F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
13A*	PARA + META + LIN	2.75 EC	1.380 LB/AC	EPP	82	85	0	82	85	100	100	0	95	95	100	100
13B	2,4-D ESTER	4.00 E	.500 LB/AC	EPP												
13C	X-77 (SURFACTANT)	.50 WA	.250 %	EPP												
13D	PARAQUAT	1.50 S	.280 LB/AC	PRE												
13E	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE												
13F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
14A	2,4-D ESTER	4.00 E	.500 LB/AC	EPP	80	88	2	80	92	100	100	2	90	95	100	100
14B	PARAQUAT	1.50 S	.380 LB/AC	PRE												
14C	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE												
14D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE												
15A	IMAZETHAPYR	2.00 AS	.078 LB/AC	EPP	100	62	0	100	95	68	92	0	100	98	65	90
15B	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP												
16A	IMAZETHAPYR	2.00 AS	.094 LB/AC	EPP	100	35	32	100	100	38	65	15	100	100	40	62
16B	GLYPHOSATE	4.00 E	1.000 LB/AC	EPP												
17A	IMAZETHAPYR	2.00 AS	.078 LB/AC	EPP	98	90	0	98	92	100	98	0	98	95	100	98
17B	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP												
18A	IMAZETHAPYR	2.00 AS	.094 LB/AC	EPP	98	90	2	98	95	100	100	2	100	95	100	100
18B	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP												
19A	ALACHLOR + IMAZAQUIN	74.00 WDG	2.125 LB/AC	-45	95	88	8	95	90	100	100	0	95	92	100	100
19B	GLYPHOSATE	4.00 E	2.000 LB/AC	PRE												
20A	ALACHLOR + IMAZAQUIN	74.00 WDG	2.125 LB/AC	EPP	92	85	5	92	92	100	95	0	92	95	100	95
20B	GLYPHOSATE	4.00 E	2.000 LB/AC	PRE												
21A	ALACHLOR + IMAZAQUIN	74.00 WDG	2.125 LB/AC	PRE	100	88	25	100	92	98	100	2	92	90	98	100
21B	GLYPHOSATE	4.00 E	2.000 LB/AC	PRE												

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TABLE S7017 NO-TILL EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							-----8 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	LACG	HONE	PRLE	MRTL	CRIN	LACG	HONE	PRLE	MRTL
22A	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	-45	92	85	2	92	85	100	100	0	92	92	100	100
22B	GLYPHOSATE	4.00 E	2.000 LB/AC	PRE												
23A	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	EPP	100	85	0	100	98	100	92	0	100	98	100	95
23B	GLYPHOSATE	4.00 E	2.000 LB/AC	PRE												
24A	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PRE	82	88	28	82	98	98	100	10	80	98	100	98
24B	GLYPHOSATE	4.00 E	2.000 LB/AC	PRE												

LSD (05): 15 19 10 15 NS 15 12 6 14 NS 19 13

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.0%

DATE PLANTED: MAY 14

DATE TREATED: -45D, EPP APRIL 27

VARIETY: WILLIAMS 82

PRE MAY 14

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7032 NO-TILL EARLY PREPLANT SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED						-----8 WEEKS AFTER APPL			
					GRAS	BRLE	GIFT	HONE	PRLE	MRTL	GIFT	HONE	PRLE	MRTL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	60	55	60	88	70	78	8	60	82	65
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
1C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	40	40	40	72	58	70	2	42	82	58
2B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
2C	PARAQUAT	1.50 S	.250 LB/AC	PRE										
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
3A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	40	12	40	95	20	45	15	40	95	18
3B	CYANAZINE	4.00 L	.250 LB/AC	2WP										
4A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	45	28	45	80	30	60	18	38	80	30
4B	CYANAZINE	4.00 L	.500 LB/AC	2WP										
5A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	35	12	35	82	18	52	18	38	85	22
5B	CYANAZINE	4.00 L	1.000 LB/AC	2WP										
6A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	30	22	30	82	40	58	10	32	85	35
6B	CYANAZINE	4.00 L	1.250 LB/AC	2WP										
7A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	18	32	18	92	45	70	15	15	98	45
7B	CYANAZINE	4.00 L	.250 LB/AC	2WP										
7C	CHLORIMURON	25.00 DF	.047 LB/AC	2WP										
8A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	20	60	20	80	72	90	10	18	85	72
8B	CYANAZINE	4.00 L	.500 LB/AC	2WP										
8C	CHLORIMURON	25.00 DF	.047 LB/AC	2WP										
9A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	28	45	28	72	65	70	2	32	78	65
9B	CYANAZINE	4.00 L	1.000 LB/AC	2WP										
9C	CHLORIMURON	25.00 DF	.047 LB/AC	2WP										
10A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	10	60	10	88	72	85	2	10	90	65
10B	CYANAZINE	4.00 L	1.250 LB/AC	2WP										
10C	CHLORIMURON	25.00 DF	.047 LB/AC	2WP										
11A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	32	68	32	65	90	100	0	32	75	92
11B	CHLORIMURON	25.00 DF	.047 LB/AC	2WP										
11C	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP										

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TABLE S7032 NO-TILL EARLY PREPLANT SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						---8 WEEKS AFTER APPL			
					GRAS	BRLE	GIFT	HONE	PRLE	MRTL	GIFT	HONE	PRLE	MRTL
12A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	42	72	42	75	90	88	0	40	82	90
12B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	2WP										
12C	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP										
13A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	30	75	30	82	92	85	5	35	88	95
13B	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	2WP										
13C	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP										
14A	ALACHLOR	4.00 MT	2.500 LB/AC	2WP	70	42	70	78	52	88	5	78	80	52
14B	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP										
14C	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP										
15A	PARAQUAT	1.50 S	.500 LB/AC	PRE	98	42	98	90	75	52	12	98	90	72
15B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
15C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
15D	RE 45601	2.00 EC	.125 LB/AC	LP										
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
16A	PARAQUAT	1.50 S	.500 LB/AC	PRE	72	38	72	38	78	70	12	72	32	80
16B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE										
16C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
16D	RE 45601	2.00 EC	.125 LB/AC	LP										
16E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
17A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	82	52	82	78	72	85	20	82	78	70
17B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
17C	RE 45601	2.00 EC	.125 LB/AC	LP										
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
18A	METALACHLOR + METRIB	8.00 EC	2.500 LB/AC	EPP	48	62	48	72	100	100	0	32	75	100
18B	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP										
18C	METALACHLOR + METRIB	8.00 EC	.750 LB/AC	PRE										
18D	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE										
19A	METALACHLOR + METRIB	8.00 EC	2.500 LB/AC	EPP	72	60	72	60	100	100	8	62	68	100
19B	METALACHLOR + METRIB	8.00 EC	.750 LB/AC	PRE										
19C	METRIBUZIN 1	4.00 F	.250 LB/AC	PRE										
20A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	48	28	48	75	32	55	5	50	75	35
20B	GLYPHOSATE	4.00 E	.500 LB/AC	PRE										
20C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										

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TABLE S7032 NO-TILL EARLY PREPLANT SOYBEANS II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						---8 WEEKS AFTER APPL			
					GRAS	BRLE	GIFT	HONE	PRLE	MRTL	GIFT	HONE	PRLE	MRTL
21A	RE 45601	2.00 EC	.125 LB/AC	-7D	35	75	35	75	100	98	12	30	75	100
21B	2,4-D ESTER	4.00 E	.500 LB/AC	-7D										
21C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-7D										
21D	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
21E	METOLACHLOR	8.00 E	.500 LB/AC	PRE										
22A	RE 45601	2.00 EC	.125 LB/AC	-7D	90	68	90	75	100	90	0	95	70	100
22B	2,4-D ESTER	4.00 E	.500 LB/AC	-7D										
22C	METRIBUZIN	75.00 DF	.500 LB/AC	-7D										
22D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	-7D										
22E	RE 45601	2.00 EC	.125 LB/AC	LP										
22F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP										
23A	RE 45601	2.00 EC	.125 LB/AC	PRE	32	78	32	90	85	85	8	18	92	80
23B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE										
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
24A	RE 45601	2.00 EC	.125 LB/AC	PRE	68	18	65	88	40	20	20	72	82	35
24B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
LSD (05):					24	24	25	23	26	31	27	22	27	35

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 14

DATE TREATED: EPP APRIL 27

VARIETY: WILLIAMS 82

2WP MAY 1
-7D MAY 8
PRE MAY 14
LP JUNE 8

ALL SELECT TREATMENTS POSTEMERGENCE ARE 10 GPA
TREATMENT 20 10 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PSI	PESW	HHCL	MRTL	
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	75	0	92	90	100	88	92	90	80	
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	82	0	85	85	92	92	95	95	92	
2B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE											
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	90	100	92	92	85	92	88	
3B	LINURON	4.00 L	.750 LB/AC	PRE											
3C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
3E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
3F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	88	0	85	95	98	90	90	98	95	
4B	LINURON	4.00 L	1.000 LB/AC	PRE											
4C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
4E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
4F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	90	0	85	100	95	92	100	92	90	
5B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE											
5C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
5E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
5F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	75	0	90	98	98	95	80	92	98	
6B	METRIBUZIN 2	75.00 DF	.375 LB/AC	PRE											
6C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
6D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
6E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
6F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	78	0	90	92	88	95	85	100	82	
7B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE											
7C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL	
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	82	5	92	98	92	95	90	98	85	
8B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE											
8C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	88	0	90	100	90	98	92	95	100	
9B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE											
9C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
9D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
9E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
9F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	82	88	0	82	100	90	92	92	100	100	
10B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE											
10C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
10D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
10E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
10F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	0	90	100	95	95	100	100	90	
11B	DPX 8259	60.00 DF	.450 LB/AC	PRE											
11C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	82	0	88	95	92	92	95	100	82	
12B	DPX 8259	60.00 DF	.600 LB/AC	PRE											
12C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	90	100	90	95	80	100	100	
13B	DPX 8259	60.00 DF	.450 LB/AC	PRE											
13C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
13E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
13F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	92	0	90	98	98	95	95	100	100	
14B	DPX 8259	60.00 DF	.600 LB/AC	PRE											
14C	PARAQUAT	1.50 S	.250 LB/AC	PRE											
14D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
14E	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
14F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL	
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	70	0	90	100	100	92	85	95	78	
15B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
15C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
15D	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
16A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	78	0	90	90	100	90	92	90	82	
16B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
16C	LINURON	4.00 L	1.000 LB/AC	PRE											
17A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	92	85	0	92	90	92	95	95	98	92	
17B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
17C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE											
18A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	85	0	90	95	90	92	88	100	95	
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
18C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE											
19A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	88	0	90	100	92	92	95	100	90	
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
19C	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PRE											
20A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	85	88	0	85	95	95	92	90	95	92	
20B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
20C	DPX 8259	60.00 DF	.600 LB/AC	PRE											
21A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	90	0	90	100	95	92	95	95	100	
21B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
21C	DPX 8259	60.00 DF	.750 LB/AC	PRE											
22A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	78	0	95	95	100	95	95	78	88	
22B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE											
22C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE											
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	90	85	0	90	92	100	92	98	92	92	
23B	LINURON	4.00 L	1.000 LB/AC	PRE											
24A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	88	68	0	88	92	95	95	92	72	92	
24B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL	
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	90	85	0	90	95	95	95	88	92	92	
25B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
26A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	70	0	92	98	95	92	88	100	70	
26B	LINURON	4.00 L	1.000 LB/AC	PRE											
26C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
27A	PARAQUAT	1.50 S	.380 LB/AC	PRE	90	58	0	90	95	100	92	78	95	55	
27B	LINURON	4.00 L	1.000 LB/AC	PRE											
27C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
27D	2,4-DB	2.00 E	.030 LB/AC	MP											
28A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	72	0	92	85	85	92	85	100	82	
28B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
29A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	70	0	92	90	95	95	90	100	70	
29B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE											
29C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
29D	2,4-DB	2.00 E	.030 LB/AC	MP											
30A	PARAQUAT	1.50 S	.380 LB/AC	PRE	90	78	0	90	100	80	95	88	95	95	
30B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE											
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
31A	PARAQUAT	1.50 S	.380 LB/AC	PRE	90	82	0	90	100	82	90	90	100	92	
31B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE											
31C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
31D	2,4-DB	2.00 E	.030 LB/AC	MP											
32A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	88	0	92	95	92	85	90	100	85	
32B	DPX 8259	60.00 DF	.750 LB/AC	PRE											
32C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
33A	PARAQUAT	1.50 S	.380 LB/AC	PRE	90	85	0	90	100	90	92	92	100	90	
33B	DPX 8259	60.00 DF	.750 LB/AC	PRE											
33C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
33D	2,4-DB	2.00 E	.030 LB/AC	MP											
34A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	68	0	92	100	95	95	88	95	65	
34B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
34C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
35A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	92	70	0	92	95	90	95	95	95	68
35B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE										
35C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
36A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	95	70	0	95	90	100	90	90	92	70
36B	LINURON	4.00 L	.750 LB/AC	PRE										
36C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
37A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	92	62	0	92	100	90	92	75	100	65
37B	2,4-DB	2.00 E	.030 LB/AC	PRE										
37C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
38A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	88	82	0	88	95	82	95	100	100	92
38B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE										
38C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
39A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	90	82	0	90	98	92	92	82	100	95
39B	DPX 8259	60.00 DF	.750 LB/AC	PRE										
39C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
40A	HOE 39866	1.67 AS	.750 LB/AC	PRE	92	85	0	92	100	85	90	95	100	95
40B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE										
40C	FENOXAPROP	1.00 EC	.100 LB/AC	MP										
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
41A	HOE 39866	1.67 AS	.750 LB/AC	PRE	92	85	0	92	98	85	95	90	98	100
41B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE										
41C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
41D	FENOXAPROP	1.00 EC	.100 LB/AC	MP										
41E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
42A	HOE 39866	1.67 AS	.500 LB/AC	PRE	90	80	0	90	95	100	95	90	90	88
42B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
42C	FENOXAPROP	1.00 EC	1.000 LB/AC	MP										
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										
43A	HOE 39866	1.67 AS	.750 LB/AC	PRE	95	78	0	95	95	100	95	92	90	88
43B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
43C	FENOXAPROP	1.00 EC	.100 LB/AC	MP										
43D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL	
44A	HOE 39866	1.67 AS	.750 LB/AC	PRE	95	80	0	95	95	95	95	92	100	80	
44B	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE											
44C	FENOXAPROP	1.00 EC	.100 LB/AC	MP											
44D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP											
45A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	80	68	0	80	95	80	100	90	100	80	
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE											
46A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	90	75	0	90	98	80	95	92	100	85	
46B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE											
47A	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PRE	65	75	0	65	100	88	92	92	95	90	
47B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE											
48A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	90	72	0	90	100	78	90	88	100	85	
48B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
48C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
49A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	92	70	0	92	95	85	95	85	98	80	
49B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
49C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
50A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	92	88	0	92	98	90	92	92	100	95	
50B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
50C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
51A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	90	85	0	90	95	88	90	92	100	100	
51B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
52A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	92	90	0	92	100	92	90	90	100	95	
52B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
53A	DPX 8259	60.00 DF	.450 LB/AC	PRE	78	78	0	78	100	82	98	82	95	85	
53B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE											
54A	DPX 8259	60.00 DF	.525 LB/AC	PRE	70	80	0	70	95	95	95	82	100	82	
54B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE											
55A	DPX 8259	60.00 DF	.600 LB/AC	PRE	80	78	0	80	100	88	92	92	100	88	
55B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE											

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TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRL	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL	
56A	DPX 8259	60.00 DF	.450 LB/AC	PRE	92	72	0	92	95	85	95	75	100	88	
56B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
56C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
57A	DPX 8259	60.00 DF	.525 LB/AC	PRE	90	75	0	90	95	92	100	80	100	82	
57B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
57C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
58A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	88	82	0	88	95	92	92	88	100	95	
58B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
58C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
59A	DPX 8259	60.00 DF	.450 LB/AC	PRE	88	88	0	88	92	90	95	92	95	95	
59B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
60A	DPX 8259	60.00 DF	.525 LB/AC	PRE	90	85	0	90	95	88	92	90	95	95	
60B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
61A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	80	75	0	88	100	98	90	82	98	88	
61B	PARAQUAT	1.50 S	.250 LB/AC	PRE											
61C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
61D	CHLORIMURON	25.00 DF	.008 LB/AC	EP											
61E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP											
62A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	90	85	0	90	92	95	98	92	92	92	
62B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE											
62C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
63A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	92	85	0	92	92	88	95	98	100	95	
63B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE											
63C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
64A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	92	90	0	92	100	95	95	90	95	95	
64B	DPX 8259	60.00 DF	.600 LB/AC	PRE											
64C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
65A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	90	90	0	90	100	92	95	90	100	92	
65B	CHLORIM + LINURON	60.00 DF	.520 LB/AC	PRE											
65C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----										
					GRAS	BRLE	CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL	
66A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	90	82	0	90	95	98	92	95	90	88	
66B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE											
66C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
67A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	92	78	0	92	90	100	95	92	82	90	
67B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
67C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
68A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	98	80	0	98	95	100	95	98	88	85	
68B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE											
68C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
69A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	95	80	0	95	98	100	95	90	90	88	
69B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
69C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
70A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	92	75	0	92	95	100	95	90	88	82	
70B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE											
70C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
71A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	90	82	0	90	98	100	95	92	92	88	
71B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
71C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
72A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	92	80	0	92	98	100	100	98	90	88	
72B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE											
72C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE											
72D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
73A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	90	88	0	90	92	100	92	95	92	88	
73B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE											
73C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
73D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
74A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	95	85	0	95	100	95	95	95	92	90	
74B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE											
74C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE											
74D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											
75A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	95	75	0	95	95	100	95	92	85	82	
75B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE											
75C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE											
75D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE											

LSD (05) : 8 11 NS 8 7 8 6 10 10 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.4 O.M.: 4.5%
DATE PLANTED: MAY 21 DATE TREATED: PRE MAY 21
VARIETY: WILLIAMS 82 EP JUNE 17
MP JULY 9
TREATMENTS 66-75 ARE 15 GPA

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	85	100	85	90	88	75
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	80	90	92	95	92	92
2B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	100	92	90	80	90	88
3B	LINURON	4.00 L	.750 LB/AC	PRE								
3C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
3E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
3F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	95	98	88	90	98	95
4B	LINURON	4.00 L	1.000 LB/AC	PRE								
4C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
4E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
4F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	100	95	92	100	92	92
5B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE								
5C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
5E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
5F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	98	98	92	80	88	98
6B	METRIBUZIN 2	75.00 DF	.375 LB/AC	PRE								
6C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
6D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
6E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
6F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	92	82	95	80	100	80
7B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE								
7C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	98	92	92	92	98	80
8B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE								
8C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	100	82	95	90	95	100
9B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE								
9C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
9D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
9E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
9F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	78	100	90	92	90	100	100
10B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE								
10C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
10D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
10E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
10F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	100	95	95	100	100	88
11B	DPX 8259	60.00 DF	.450 LB/AC	PRE								
11C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	95	92	92	95	100	82
12B	DPX 8259	60.00 DF	.600 LB/AC	PRE								
12C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	100	88	95	78	100	100
13B	DPX 8259	60.00 DF	.450 LB/AC	PRE								
13C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
13E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
13F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	98	98	92	98	100	100
14B	DPX 8259	60.00 DF	.600 LB/AC	PRE								
14C	PARAQUAT	1.50 S	.250 LB/AC	PRE								
14D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
14E	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
14F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								

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TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	100	100	90	78	95	72
15B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
15C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
15D	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
16A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	90	90	100	88	92	88	80
16B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
16C	LINURON	4.00 L	1.000 LB/AC	PRE								
17A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	90	90	92	92	95	90
17B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
17C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
18A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	90	95	82	92	90	100	100
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
18C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
19A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	88	100	90	90	95	100	90
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
19C	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PRE								
20A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	82	95	95	92	90	95	92
20B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
20C	DPX 8259	60.00 DF	.600 LB/AC	PRE								
21A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	90	100	92	92	95	95	100
21B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
21C	DPX 8259	60.00 DF	.750 LB/AC	PRE								
22A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	95	95	100	95	95	70	88
22B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
22C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	88	92	100	92	98	88	92
23B	LINURON	4.00 L	1.000 LB/AC	PRE								
24A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	82	90	92	95	92	62	90
24B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								

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TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	88	95	95	95	82	90	92
25B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
26A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	98	98	90	85	100	60
26B	LINURON	4.00 L	1.000 LB/AC	PRE								
26C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
27A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	88	95	100	92	70	92	30
27B	LINURON	4.00 L	1.000 LB/AC	PRE								
27C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
27D	2,4-DB	2.00 E	.030 LB/AC	MP								
28A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	82	82	92	82	100	80
28B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
29A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	92	88	92	95	88	100	58
29B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
29C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
29D	2,4-DB	2.00 E	.030 LB/AC	MP								
30A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	100	70	95	88	95	95
30B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
31A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	88	100	78	90	90	100	92
31B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
31C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
31D	2,4-DB	2.00 E	.030 LB/AC	MP								
32A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	95	90	95	90	100	82
32B	DPX 8259	60.00 DF	.750 LB/AC	PRE								
32C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
33A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	88	100	90	92	90	100	88
33B	DPX 8259	60.00 DF	.750 LB/AC	PRE								
33C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
33D	2,4-DB	2.00 E	.030 LB/AC	MP								
34A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	92	100	95	95	88	95	50
34B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
34C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								

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TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
35A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	92	95	90	95	95	95	62
35B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE								
35C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
36A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	95	90	100	88	88	90	58
36B	LINURON	4.00 L	.750 LB/AC	PRE								
36C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
37A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	92	100	90	92	70	100	52
37B	2,4-DB	2.00 E	.030 LB/AC	PRE								
37C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
38A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	80	95	78	95	100	100	95
38B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
38C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
39A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	85	95	90	92	80	100	93
39B	DPX 8259	60.00 DF	.750 LB/AC	PRE								
39C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
40A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	92	100	82	90	92	100	95
40B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE								
40C	FENOXAPROP	1.00 EC	.100 LB/AC	MP								
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
41A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	92	98	75	95	92	98	100
41B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE								
41C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
41D	FENOXAPROP	1.00 EC	.100 LB/AC	MP								
41E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
42A	HOE 39866	1.67 AS	.500 LB/AC	PRE	0	90	95	100	95	90	88	88
42B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
42C	FENOXAPROP	1.00 EC	1.000 LB/AC	MP								
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
43A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	95	100	95	90	88	88
43B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
43C	FENOXAPROP	1.00 EC	.100 LB/AC	MP								
43D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
44A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	95	95	95	92	100	78
44B	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE								
44C	FENOXAPROP	1.00 EC	.100 LB/AC	MP								
44D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
45A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	0	70	95	70	100	90	100	78
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
46A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	0	85	72	72	95	92	100	82
46B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
47A	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PRE	0	50	100	80	95	92	95	88
47B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
48A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	0	88	100	72	90	88	100	85
48B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
48C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
49A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	0	85	95	78	95	82	100	75
49B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
49C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
50A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	90	95	80	92	95	100	95
50B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
50C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
51A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	0	90	95	90	90	92	100	100
51B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
52A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	0	92	100	90	90	90	100	95
52B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
53A	DPX 8259	60.00 DF	.450 LB/AC	PRE	0	70	100	80	100	72	95	82
53B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
54A	DPX 8259	60.00 DF	.525 LB/AC	PRE	0	60	92	98	92	82	100	78
54B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
55A	DPX 8259	60.00 DF	.600 LB/AC	PRE	0	70	100	80	92	68	100	88
55B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								

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TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
56A	DPX 8259	60.00 DF	.450 LB/AC	PRE	0	92	95	82	95	68	100	88
56B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
56C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
57A	DPX 8259	60.00 DF	.525 LB/AC	PRE	0	88	95	92	100	78	100	80
57B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
57C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
58A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	85	95	90	92	85	100	95
58B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
58C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
59A	DPX 8259	60.00 DF	.450 LB/AC	PRE	0	82	92	88	95	92	95	95
59B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
60A	DPX 8259	60.00 DF	.525 LB/AC	PRE	0	88	95	78	92	90	95	95
60B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
61A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	0	68	100	95	88	78	95	82
61B	PARAQUAT	1.50 S	.250 LB/AC	PRE								
61C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
61D	CHLORIMURON	25.00 DF	.008 LB/AC	EP								
61E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
62A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	88	92	95	98	92	90	95
62B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
62C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
63A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	92	92	85	95	98	100	95
63B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
63C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
64A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	90	100	95	95	88	95	95
64B	DPX 8259	60.00 DF	.600 LB/AC	PRE								
64C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
65A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	90	100	90	95	92	100	92
65B	CHLORIM + LINURON	60.00 DF	.520 LB/AC	PRE								
65C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								

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TABLE S7035 FULL SEASON NO-TILL SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	ILMG	BLNS	PRSI	PESW	HHCL	MRTL
66A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	95	98	92	95	88	82
66B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE								
66C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
67A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	88	100	95	92	75	88
67B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
67C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
68A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	0	98	95	100	95	98	85	82
68B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE								
68C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
69A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	0	95	98	100	95	92	88	88
69B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
69C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
70A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	0	92	95	100	95	88	88	82
70B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE								
70C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
71A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	0	88	98	100	95	92	90	88
71B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
71C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
72A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	98	100	100	98	85	85
72B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE								
72C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE								
72D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
73A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	92	100	92	95	90	85
73B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE								
73C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
73D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
74A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	95	100	95	95	95	90	88
74B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
74C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE								
74D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
75A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	95	95	100	95	90	82	82
75B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
75C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE								
75D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	88	0	98	90	98	100	100	92
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	78	0	95	80	88	100	100	98
2B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	0	98	88	85	100	100	95
3B	LINURON	4.00 L	.750 LB/AC	PRE									
3C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
3E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
3F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	82	0	100	92	85	100	100	100
4B	LINURON	4.00 L	1.000 LB/AC	PRE									
4C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
4E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
4F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	88	0	100	92	90	100	100	98
5B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE									
5C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
5F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	0	98	92	100	100	100	100
6B	METRIBUZIN 2	75.00 DF	.375 LB/AC	PRE									
6C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
6D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
6E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
6F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	0	95	98	92	100	100	95
7B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE									
7C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	BHCL
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	85	0	95	88	95	100	100	98
8B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE									
8C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	92	0	92	98	95	100	100	98
9B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE									
9C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
9D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
9E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
9F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	0	90	95	80	100	100	100
10B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE									
10C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
10D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
10E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
10F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	88	0	92	88	90	100	98	95
11B	DPX 8259	60.00 DF	.450 LB/AC	PRE									
11C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	90	0	90	95	92	100	100	100
12B	DPX 8259	60.00 DF	.600 LB/AC	PRE									
12C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	88	0	98	98	88	100	100	100
13B	DPX 8259	60.00 DF	.600 LB/AC	PRE									
13C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
13E	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
13F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	82	0	98	98	92	100	100	88
14B	PARAQUAT	1.50 S	.250 LB/AC	PRE									
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
14D	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
14E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
15A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	98	88	0	98	92	88	100	100	98
15B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
15C	LINURON	4.00 L	1.000 LB/AC	PRE									
16A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	85	0	95	88	92	100	100	98
16B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
16C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
17A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	88	0	95	90	92	100	100	100
17B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
17C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
18A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	92	0	95	98	95	100	100	100
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
18C	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PRE									
19A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	90	0	95	95	98	100	100	98
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
19C	DPX 8259	60.00 DF	.600 LB/AC	PRE									
20A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	92	90	0	92	95	95	100	100	100
20B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
20C	DPX 8259	60.00 DF	.750 LB/AC	PRE									
21A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	80	0	95	98	98	100	95	88
21B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
21C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE									
22A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	95	85	0	95	88	88	100	100	98
22B	LINURON	4.00 L	1.000 LB/AC	PRE									
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	95	88	0	95	88	98	100	100	98
23B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
24A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	98	90	0	98	92	95	100	100	98
24B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
25A	PARAQUAT	1.50 S	.380 LB/AC	PRE	75	75	0	75	82	85	100	100	98
25B	LINURON	4.00 L	1.000 LB/AC	PRE									
25C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
26A	PARAQUAT	1.50 S	.380 LB/AC	PRE	88	88	0	88	100	92	100	90	92
26B	LINURON	4.00 L	1.000 LB/AC	PRE									
26C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
26D	2,4-DB	2.00 E	.030 LB/AC	MP									
27A	PARAQUAT	1.50 S	.380 LB/AC	PRE	90	88	0	90	88	95	100	100	100
27B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
27C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
28A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	88	0	92	88	100	100	100	100
28B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
28D	2,4-DB	2.00 E	.030 LB/AC	MP									
29A	PARAQUAT	1.50 S	.380 LB/AC	PRE	88	90	0	88	95	90	100	100	98
29B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE									
29C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30A	PARAQUAT	1.50 S	.380 LB/AC	PRE	85	90	0	85	95	92	100	100	98
30B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE									
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30D	2,4-DB	2.00 E	.030 LB/AC	MP									
31A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	92	0	92	95	95	100	100	100
31B	DPX 8259	60.00 DF	.750 LB/AC	PRE									
31C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
32A	PARAQUAT	1.50 S	.380 LB/AC	PRE	85	92	0	85	95	95	100	100	100
32B	DPX 8259	60.00 DF	.750 LB/AC	PRE									
32C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
32D	2,4-DB	2.00 E	.030 LB/AC	MP									
33A	PARAQUAT	1.50 S	.380 LB/AC	PRE	88	88	0	88	92	90	98	100	95
33B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
33C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
34A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	98	92	0	98	95	95	100	98	98
34B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE									
34C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
35A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	98	88	0	98	90	95	100	100	95
35B	LINURON	4.00 L	.750 LB/AC	PRE									
35C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
36A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	95	72	0	95	95	72	100	100	98
36B	2,4-DB	2.00 E	.030 LB/AC	PRE									
36C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
37A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	95	95	0	95	95	98	100	100	98
37B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE									
37C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
38A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	98	88	0	98	95	92	100	100	100
38B	DPX 8259	60.00 DF	.750 LB/AC	PRE									
38C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
39A	HOE 39866	1.67 AS	.500 LB/AC	PRE	85	82	0	92	92	90	100	98	92
39B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
39C	FENOXAPROP	1.00 EC	1.000 LB/AC	MP									
39D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
40A	HOE 39866	1.67 AS	.750 LB/AC	PRE	90	85	0	90	92	92	100	98	95
40B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
40C	FENOXAPROP	1.00 EC	.100 LB/AC	MP									
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
41A	HOE 39866	1.67 AS	.750 LB/AC	PRE	92	90	0	92	92	98	100	100	95
41B	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE									
41C	FENOXAPROP	1.00 EC	.100 LB/AC	MP									
41D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
42A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	85	85	0	85	98	92	100	100	98
42B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
43A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	88	95	0	88	98	98	100	100	100
43B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
44A	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PRE	92	90	0	92	90	95	100	100	92
44B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WEEKS AFTER APPLIED									
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL	
45A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	82	82	0	82	95	82	100	100	95	
45B	PARAQUAT	1.50 S	.250 LB/AC	PRE										
45C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
46A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	90	92	0	90	98	95	100	100	98	
46B	PARAQUAT	1.50 S	.250 LB/AC	PRE										
46C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
47A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	88	92	0	88	95	95	100	100	100	
47B	PARAQUAT	1.50 S	.250 LB/AC	PRE										
47C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
48A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	72	75	0	72	88	82	95	100	95	
48B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
49A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	85	95	0	85	98	98	100	100	98	
49B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										
50A	DPX 8259	60.00 DF	.450 LB/AC	PRE	92	90	0	92	95	92	100	100	98	
50B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
51A	DPX 8259	60.00 DF	.525 LB/AC	PRE	70	88	0	70	88	98	100	100	100	
51B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
52A	DPX 8259	60.00 DF	.600 LB/AC	PRE	82	90	0	82	92	92	100	100	100	
52B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE										
53A	DPX 8259	60.00 DF	.450 LB/AC	PRE	72	82	0	72	92	88	100	100	98	
53B	PARAQUAT	1.50 S	.250 LB/AC	PRE										
53C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
54A	DPX 8259	60.00 DF	.525 LB/AC	PRE	90	80	0	90	95	82	100	100	98	
54B	PARAQUAT	1.50 S	.250 LB/AC	PRE										
54C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
55A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	80	88	0	80	98	88	100	100	100	
55B	PARAQUAT	1.50 S	.250 LB/AC	PRE										
55C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE										
56A	DPX 8259	60.00 DF	.450 LB/AC	PRE	75	82	0	75	92	88	100	100	95	
56B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE										

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HBCL
57A	DPK 8259	60.00 DF	.525 LB/AC	PRE	90	92	0	90	95	95	100	100	100
57B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
58A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	95	68	0	95	100	72	100	95	92
58B	PARAQUAT	1.50 S	.250 LB/AC	PRE									
58C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
58D	CHLORIMURON	25.00 DF	.008 LB/AC	EP									
58E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP									
59A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	98	88	0	98	95	92	100	100	98
59B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
59C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
60A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	95	88	0	95	90	90	100	100	100
60B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
60C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
61A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	90	88	0	90	92	88	100	100	98
61B	DPK 8259	60.00 DF	.600 LB/AC	PRE									
61C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
62A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	95	80	0	95	92	85	100	100	95
62B	CHLORIM + LINURON	60.00 DF	.520 LB/AC	PRE									
62C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
63A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	98	88	0	98	92	92	100	100	92
63B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE									
63C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
64A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	90	90	0	90	92	95	100	100	98
64B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
64C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
65A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	88	90	0	88	90	98	100	100	98
65B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE									
65C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
66A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	92	90	0	92	95	98	100	100	92
66B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
66C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

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TABLE S7037 FULL SEASON REDUCED TILLAGE SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
67A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	88	82	0	88	98	88	100	100	92
67B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE									
67C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
68A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	95	92	0	95	98	95	100	100	95
68B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
68C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
69A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	95	82	0	95	92	95	100	100	90
69B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
69C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE									
69D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
70A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	90	82	0	90	100	95	100	100	90
70B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
70C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
70D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
71A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	95	90	0	95	95	98	100	100	92
71B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE									
71C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE									
71D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
72A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	90	85	0	90	90	88	100	100	98
72B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE									
72C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
72D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
LSD(05):					11	13	0	11	9	11	NS	NS	8

LOCATION: SPINDLETOP FARM

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

DATE PLANTED: MAY 14

VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM

PH: 6.4 O.M.: 4.5%

DATE TREATED: PRE MAY 14

EP JUNE 17

MP JULY 9

TREATMENTS 63-72 ARE 15 GPA

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	88	95	100	100	98
1B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
1C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	75	90	98	100	98
2B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
2C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	85	95	90	100	95
3B	LINURON	4.00 L	.750 LB/AC	PRE							
3C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
3E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
3F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	92	100	82	100	100
4B	LINURON	4.00 L	1.000 LB/AC	PRE							
4C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
4E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
4F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	90	95	95	100	98
5B	METRIBUZIN 2	75.00 DF	.280 LB/AC	PRE							
5C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
5D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
5E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
5F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	92	100	100	100	100
6B	METRIBUZIN 2	75.00 DF	.375 LB/AC	PRE							
6C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
6D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
6E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
6F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	98	95	95	100	100
7B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE							
7C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
7D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	88	98	98	100	98
8B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE							
8C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
8D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	98	100	95	100	98
9B	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE							
9C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
9D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
9E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
9F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	95	92	85	100	100
10B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE							
10C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
10D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
10E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
10F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	85	98	92	98	95
11B	DPX 8259	60.00 DF	.450 LB/AC	PRE							
11C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
11D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	90	92	98	95	100	100
12B	DPX 8259	60.00 DF	.600 LB/AC	PRE							
12C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	98	98	85	100	100
13B	DPX 8259	60.00 DF	.600 LB/AC	PRE							
13C	PARAQUAT	1.50 S	.250 LB/AC	PRE							
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
13E	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
13F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	98	95	90	100	90
14B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
14D	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
14E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
15A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	98	92	98	85	100	100
15B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
15C	LINURON	4.00 L	1.000 LB/AC	PRE							
16A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	95	88	92	100	100	98
16B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
16C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE							
17A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	95	90	100	90	100	100
17B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
17C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE							
18A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	95	98	98	95	100	100
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
18C	CHLORIMURON + METRIB	75.00 DF	.560 LB/AC	PRE							
19A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	95	95	100	98	100	98
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
19C	DPX 8259	60.00 DF	.600 LB/AC	PRE							
20A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	95	100	95	100	100
20B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
20C	DPX 8259	60.00 DF	.750 LB/AC	PRE							
21A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	95	98	100	98	100	82
21B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
21C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE							
22A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	95	88	95	92	100	98
22B	LINURON	4.00 L	1.000 LB/AC	PRE							
23A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	95	88	98	98	100	100
23B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
24A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	98	92	100	95	100	98
24B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
25A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	75	80	92	90	100	98
25B	LINURON	4.00 L	1.000 LB/AC	PRE							
25C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
26A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	88	100	95	98	90	92
26B	LINURON	4.00 L	1.000 LB/AC	PRE							
26C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
26D	2,4-DB	2.00 E	.030 LB/AC	MP							
27A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	82	100	92	100	100
27B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
27C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
28A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	92	88	100	100	100	100
28B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
28C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
28D	2,4-DB	2.00 E	.030 LB/AC	MP							
29A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	85	95	98	90	100	98
29B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE							
29C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
30A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	82	92	98	92	100	98
30B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE							
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
30D	2,4-DB	2.00 E	.030 LB/AC	MP							
31A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	92	98	100	95	100	100
31B	DPX 8259	60.00 DF	.750 LB/AC	PRE							
31C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
32A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	80	95	100	95	100	100
32B	DPX 8259	60.00 DF	.750 LB/AC	PRE							
32C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
32D	2,4-DB	2.00 E	.030 LB/AC	MP							
33A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	88	92	95	92	98	95
33B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
33C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
34A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	98	95	98	98	98	98
34B	METRIBUZIN	75.00 DF	.500 LB/AC	PRE							
34C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
35A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	98	88	98	95	100	95
35B	LINURON	4.00 L	.750 LB/AC	PRE							
35C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
36A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	95	92	92	72	100	98
36B	2,4-DB	2.00 E	.030 LB/AC	PRE							
36C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
37A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	95	95	98	100	100	98
37B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE							
37C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
38A	PARA + META + LIN	2.75 EC	2.100 LB/AC	PRE	0	98	95	100	90	100	100
38B	DPX 8259	60.00 DF	.750 LB/AC	PRE							
38C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
39A	HOE 39866	1.67 AS	.500 LB/AC	PRE	0	92	92	98	90	100	90
39B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
39C	FENOXAPROP	1.00 EC	1.000 LB/AC	MP							
39D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
40A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	90	92	100	90	100	90
40B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
40C	FENOXAPROP	1.00 EC	.100 LB/AC	MP							
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
41A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	92	92	98	98	100	98
41B	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE							
41C	FENOXAPROP	1.00 EC	.100 LB/AC	MP							
41D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
42A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	0	85	98	100	88	100	98
42B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
43A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	0	88	98	100	95	100	100
43B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
44A	CHLORIMURON + METRIB	75.00 DF	.375 LB/AC	PRE	0	92	88	95	95	100	98
44B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
45A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	0	82	92	90	90	100	95
45B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
45C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
46A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	0	90	98	100	92	100	98
46B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
46C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
47A	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE	0	88	92	100	95	100	100
47B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
47C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
48A	CHLORIMURON + METRIB	75.00 DF	.188 LB/AC	PRE	0	68	85	92	82	100	95
48B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
49A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE	0	85	98	100	98	100	98
49B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
50A	DPX 8259	60.00 DF	.450 LB/AC	PRE	0	92	95	100	92	100	98
50B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
51A	DPX 8259	60.00 DF	.525 LB/AC	PRE	0	65	85	100	98	100	100
51B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
52A	DPX 8259	60.00 DF	.600 LB/AC	PRE	0	82	92	100	92	100	100
52B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE							
53A	DPX 8259	60.00 DF	.450 LB/AC	PRE	0	68	90	100	85	100	98
53B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
53C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
54A	DPX 8259	60.00 DF	.525 LB/AC	PRE	0	90	95	100	78	100	98
54B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
54C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
55A	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	80	98	92	95	100	100
55B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
55C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
56A	DPX 8259	60.00 DF	.450 LB/AC	PRE	0	72	92	95	90	100	95
56B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							

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TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HHCL
57A	DPX 8259	60.00 DF	.525 LB/AC	PRE	0	90	95	100	95	100	100
57B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
58A	CINMETHYLIN	7.00 EC	1.000 LB/AC	PRE	0	95	100	88	80	98	90
58B	PARAQUAT	1.50 S	.250 LB/AC	PRE							
58C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
58D	CHLORIMURON	25.00 DF	.008 LB/AC	EP							
58E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP							
59A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	98	95	100	90	100	98
59B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE							
59C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
60A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	95	88	100	88	100	100
60B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE							
60C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
61A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	90	92	90	98	100	100
61B	DPX 8259	60.00 DF	.600 LB/AC	PRE							
61C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
62A	ORYZALIN	85.00 DF	.500 LB/AC	PRE	0	95	92	100	80	100	95
62B	CHLORIM + LINURON	60.00 DF	.520 LB/AC	PRE							
62C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
63A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	98	92	98	92	100	95
63B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE							
63C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
64A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	92	100	95	100	98
64B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
64C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
65A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	0	88	90	100	98	100	98
65B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE							
65C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
66A	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	0	92	95	98	100	100	92
66B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
66C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7037 REDUCED TILLAGE FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	ILMG	PRSI	RRPW	PESW	HCCL
67A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	0	88	98	95	85	100	98
67B	GLYPHOSATE	4.00 E	.750 LB/AC	PRE							
67C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
68A	IMAZETHAPYR	2.00 AS	.094 LB/AC	PRE	0	95	95	98	95	100	98
68B	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
68C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
69A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	95	90	95	98	100	92
69B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE							
69C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE							
69D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
70A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	92	100	95	100	90
70B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE							
70C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
70D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
71A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	95	95	95	95	100	98
71B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE							
71C	GLYPHOSATE	4.00 E	.750 LB/AC	PRE							
71D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
72A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	90	88	98	90	100	98
72B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE							
72C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
72D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

LSD(05): 0 13 11 9 13 NS 7

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.4 O.M.: 4.5%

DATE PLANTED: MAY 14

DATE TREATED: PRE MAY 14

VARIETY: WILLIAMS 82

EP JUNE 17

MP JULY 9

TREATMENTS 63-72 ARE 15 GPA

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TABLE S7120 WEED CONTROL IN GRAIN SORGHUM

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	BLNS	RRPW	PRSI
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	0	97	83	97	97	93
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	93	0	97	93	100	100	100
2B	ATRAZINE	4.00 L	1.000 LB/AC	EP								
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
3A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	97	73	0	97	70	97	97	93
3B	CINMETHYLIN	7.00 EC	1.000 LB/AC	EP								
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
4A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	87	0	100	83	97	93	97
4B	CINMETHYLIN	7.00 EC	1.250 LB/AC	EP								
4C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
5A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	90	10	100	100	100	100	100
5B	CINMETHYLIN	7.00 EC	1.000 LB/AC	EP								
5C	ATRAZINE	4.00 L	1.000 LB/AC	EP								
5D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
6A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	100	0	100	100	100	100	100
6B	CINMETHYLIN	7.00 EC	1.250 LB/AC	EP								
6C	ATRAZINE	4.00 L	1.000 LB/AC	EP								
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	0	93	93	100	97	93
7B	BROMOXYNIL 2	2.00 E	.380 LB/AC	MP								
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	0	93	100	100	100	97
8B	BROMOXYNIL	1.00 E	.188 LB/AC	MP								
8C	WITH ATRAZINE	2.00 L	.380 LB/AC	MP								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	93	0	97	100	100	100	93
9B	BROMOXYNIL	1.00 E	.250 LB/AC	MP								
9C	WITH ATRAZINE	2.00 L	.500 LB/AC	MP								
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	97	0	97	97	100	100	100
10B	BROMOXYNIL	1.00 E	.380 LB/AC	MP								
10C	WITH ATRAZINE	2.00 L	.750 LB/AC	MP								
11	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	97	77	0	97	77	97	87	83
12	RE 40885	80.00 WP	.500 LB/AC	PRE	90	80	0	90	97	90	80	97
13	RE 40885	80.00 WP	.750 LB/AC	PRE	90	83	0	90	97	97	87	100

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TABLE S7120 WEED CONTROL IN GRAIN SORGHUM

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	BLNS	RRPW	PRSI
14	RE 40885	80.00 WP	1.000 LB/AC	PRE	87	90	3	87	97	93	90	93
15A	RE 40885	80.00 WP	.250 LB/AC	PPI	90	83	0	90	100	93	93	97
15B	RE 40885	80.00 WP	.250 LB/AC	PRE								
16A	RE 40885	80.00 WP	.500 LB/AC	PPI	90	87	0	90	93	93	87	100
16B	RE 40885	80.00 WP	.500 LB/AC	PRE								
17A	RE 40885	80.00 WP	.500 LB/AC	PRE	93	90	3	93	97	100	100	100
17B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
18A	RE 40885	80.00 WP	.500 LB/AC	PRE	97	90	0	97	90	97	93	97
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
19	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD (05):		7	14	NS	7	12	6	9	8

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 2.0%
 DATE PLANTED: JUNE 25 DATE TREATED: PPI JUNE 25
 VARIETY: EP JULY 13
 MP JULY 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1987

TABLE S7104 WEED CONTROL IN CONVENTIONAL CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COLQ	YENS	RRPW	PRSI
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	97	0	100	100	93	100	97
1B	PPG 1259	3.00 FL	.100 LB/AC	5LF								
1C	CYANAZINE	80.00 WP	1.000 LB/AC	5LF								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	10	97	90	90	97	93
2B	PPG 1259	3.00 FL	.100 LB/AC	5LF								
2C	2,4-D AMINE	4.00 E	.250 LB/AC	5LF								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	93	0	93	97	90	93	90
3B	PPG 4000	4.80 FL	.600 LB/AC	5LF								
4A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	90	7	100	97	90	100	90
4B	PPG 1259	3.00 FL	.150 LB/AC	PRE								
4C	CYANAZINE	4.00 L	1.500 LB/AC	PRE								
5A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	97	93	0	97	93	93	97	97
5B	PPG 4000	4.80 FL	.900 LB/AC	PRE								
6	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
				LSD(05):	NS	NS	4	NS	6	NS	NS	6

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 2.0%
 DATE PLANTED: MAY 19 DATE TREATED: PRE MAY 19
 VARIETY: PIONEER 3320 5LF JUNE 18

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TABLE S7102 SOYBEAN JOHNSONGRASS PRE & PPI

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	JOGR
1A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	63	87	0	63
1B	IMAZETHAPYR	2.00 AS	.063 LB/AC	15J				
1C	X-77 (SURFACTANT)	.50 WA	.250 %	15J				
2A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	63	87	0	63
2B	IMAZETHAPYR	2.00 AS	.078 LB/AC	15J				
2C	X-77 (SURFACTANT)	.50 WA	.250 %	15J				
3A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	73	90	0	73
3B	IMAZETHAPYR	2.00 AS	.063 LB/AC	15J				
3C	X-77 (SURFACTANT)	.50 WA	.250 %	15J				
3D	10 34 0	.00 AD	1.000 QT/AC	15J				
4A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	80	90	0	83
4B	IMAZETHAPYR	2.00 AS	.078 LB/AC	15J				
4C	X-77 (SURFACTANT)	.50 WA	.250 %	15J				
4D	10 34 0	.00 AD	1.000 QT/AC	15J				
5	FMC 57020	4.00 EC	1.000 LB/AC	PPI	47	73	0	47
6	FMC 57020	4.00 EC	2.000 LB/AC	PPI	40	73	0	40
7A	FMC 57020	4.00 EC	1.000 LB/AC	PPI	47	80	0	47
7B	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI				
8	TRIFLURALIN	4.00 E	2.000 LB/AC	PPI	33	73	0	33
9A	DPX 8259	60.00 DF	.750 LB/AC	PRE	90	83	0	90
9B	QUIZALOFOP	.80 L	.050 LB/AC	21J				
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				
10A	DPX 8259	60.00 DF	.750 LB/AC	PRE	83	80	0	83
10B	QUIZALOFOP	.80 L	.080 LB/AC	21J				
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21J				

LSD (05) : 9 8 0 9

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 2.0%
 DATE PLANTED: MAY 19 DATE TREATED: PPI MAY 19
 VARIETY: ESSEX PRE MAY 19
 15J JUNE 11
 21J JUNE 20

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TABLE S7103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS ---		
					GRAS	BRLE	JOGR
1A	SETHOXYDIM	1.53 EC	.100 LB/AC	12J	100	77	90
1B	DAX	.00 AD	1.000 QT/AC	12J			
1C	SETHOXYDIM	1.53 EC	.100 LB/AC	12R			
1D	DAX	.00 AD	1.000 QT/AC	12R			
2A	SETHOXYDIM	1.53 EC	.100 LB/AC	12J	97	47	90
2B	DAX	.00 AD	1.000 QT/AC	12J			
2C	SETHOXYDIM	1.53 EC	.200 LB/AC	12R			
2D	DAX	.00 AD	1.000 QT/AC	12R			
3A	SETHOXYDIM	1.53 EC	.100 LB/AC	12J	100	33	87
3B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	12J			
3C	SETHOXYDIM	1.53 EC	.200 LB/AC	12R			
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	12R			
4A	SETHOXYDIM	1.53 EC	.200 LB/AC	12J	100	50	93
4B	DAX	.00 AD	1.000 QT/AC	12J			
4C	SETHOXYDIM	1.53 EC	.200 LB/AC	12R			
4D	DAX	.00 AD	1.000 QT/AC	12R			
5A	SETHOXYDIM	1.53 EC	.200 LB/AC	12J	100	57	90
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	12J			
5C	SETHOXYDIM	1.53 EC	.200 LB/AC	12R			
5D	DAX	.00 AD	1.000 QT/AC	12R			
6A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	83	40	77
6B	BENTAZON	4.00 E	.750 LB/AC	15J			
6C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
7A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	97	60
7B	FOMESAFEN	2.00 LC	.250 LB/AC	15J			
7C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
8A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	73	67
8B	BENTAZON	4.00 E	.750 LB/AC	15J			
8C	FOMESAFEN	2.00 LC	.188 LB/AC	15J			
8D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
9A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	93	63	77
9B	CHLORIMURON	25.00 DF	.008 LB/AC	15J			
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
10A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	15J	100	47	63
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
10C	BENTAZON	4.00 E	.750 LB/AC	MP			
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			

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TABLE S7103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS ----		
					GRAS	BRLE	JOGR
11A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	90	47	80
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
11C	BENTAZON	4.00 E	.750 LB/AC	MP			
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
12A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	15J	100	73	60
12B	DAX	.00 AD	1.000 QT/AC	15J			
12C	BENTAZON	4.00 E	.750 LB/AC	MP			
12D	DAX	.00 AD	1.000 QT/AC	MP			
13A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	70	60
13B	DAX	.00 AD	1.000 QT/AC	15J			
13C	BENTAZON	4.00 E	.750 LB/AC	MP			
13D	DAX	.00 AD	1.000 QT/AC	MP			
14A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	15J	93	60	87
14B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
14C	BENTAZON	4.00 E	.750 LB/AC	MP			
14D	FOMESAFEN	2.00 LC	.188 LB/AC	MP			
14E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
15A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	93	80
15B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
15C	BENTAZON	4.00 E	.750 LB/AC	MP			
15D	FOMESAFEN	2.00 LC	.188 LB/AC	MP			
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
16A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	15J	100	60	80
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
16C	FOMESAFEN	2.00 LC	.250 LB/AC	MP			
16D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
17A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	97	97	87
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
17C	FOMESAFEN	2.00 LC	.250 LB/AC	MP			
17D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
18A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	100	80
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
18C	CHLORIMURON	25.00 DF	.008 LB/AC	MP			
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
19A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	100	67
19B	CHLORIMURON	25.00 DF	.004 LB/AC	15J			
19C	FOMESAFEN	2.00 LC	.250 LB/AC	15J			
19D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			

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TABLE S7103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS ----		
					GRAS	BRLE	JOGR
20A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	15J	100	87	73
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
20C	CHLORIMURON	25.00 DF	.004 LB/AC	MP			
20D	FOMESAFEN	2.00 LC	.250 LB/AC	MP			
20E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
21A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	15J	100	73	87
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	15J			
21C	CHLORIMURON	25.00 DF	.004 LB/AC	MP			
21D	FOMESAFEN	2.00 LC	.250 LB/AC	MP			
21E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP			
22A	IMAZETHAPYR	2.00 AS	.078 LB/AC	15J	100	93	43
22B	X-77 (SURFACTANT)	.50 WA	.250 %	15J			
23A	IMAZETHAPYR	2.00 AS	.094 LB/AC	15J	87	97	80
23B	X-77 (SURFACTANT)	.50 WA	.250 %	15J			
24A	IMAZETHAPYR	2.00 AS	.078 LB/AC	15J	100	97	53
24B	X-77 (SURFACTANT)	.50 WA	.250 %	15J			
24C	10 34 0	.00 AD	1.000 QT/AC	15J			
25A	IMAZETHAPYR	2.00 AS	.094 LB/AC	15J	100	90	37
25B	X-77 (SURFACTANT)	.50 WA	.250 %	15J			
25C	10 34 0	.00 AD	1.000 QT/AC	15J			
26A	RE 45601	2.00 EC	.125 LB/AC	18J	100	70	83
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J			
27A	RE 45601	2.00 EC	.250 LB/AC	18J	100	37	90
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J			
28A	RE 45601	2.00 EC	.060 LB/AC	18J	93	73	93
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J			
28C	RE 45601	2.00 EC	.060 LB/AC	6J			
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	6J			
29A	RE 45601	2.00 EC	.125 LB/AC	18J	100	30	100
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J			
29C	RE 45601	2.00 EC	.125 LB/AC	6J			
29D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	6J			
30A	RE 45601	2.00 EC	.250 LB/AC	18J	100	53	100
30B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J			
30C	RE 45601	2.00 EC	.250 LB/AC	6J			
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	6J			

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TABLE S7103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS ---		
					GRAS	BRLE	JOGR
31A	BAS 517	1.67 E	.100 LB/AC LP		93	57	87
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC LP				
32A	BAS 517	1.67 E	.200 LB/AC LP		100	20	87
32B	OIL CONCENTRATE	.00 AD	1.000 QT/AC LP				
LSD (05):					NS	39	23

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.5 O.M.: 2.0%
 DATE PLANTED: MAY 19 DATE TREATED: 12J, 15J JUNE 11
 VARIETY: ESSEX MP JUNE 24
 18J JUNE 20
 LP JUNE 19
 6J, 12R JULY 10

6J = 6 INCH JOHNSONGRASS
 12J = 12 INCH JOHNSONGRASS
 12R = JOHNSONGRASS REGROWTH REACHES 12 INCHES
 15J = 15 INCH JOHNSONGRASS
 21J = 21 INCH JOHNSONGRASS
 TREATMENTS 1-5, 26-30 ARE IN 10 GPA

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	3	83
1B	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
1C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	3	90
2B	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	3	90
3B	CHLORIMURON	25.00 DF	.012 LB/AC	MP				
3C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	10	87
4B	CHLORIMURON	25.00 DF	.004 LB/AC	MP				
4C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
4D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	10	87
5B	CHLORIMURON	25.00 DF	.004 LB/AC	MP				
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
5D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	87	10	90
6B	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
6C	IMAZAQUIN	1.50 AS	.030 LB/AC	MP				
6D	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	93	7	93
7B	CHLORIMURON	25.00 DF	.012 LB/AC	MP				
7C	IMAZAQUIN	1.50 AS	.030 LB/AC	MP				
7D	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	10	93
8B	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
8C	IMAZAQUIN	1.50 AS	.063 LB/AC	MP				
8D	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	90	7	97
9B	CHLORIMURON	25.00 DF	.012 LB/AC	MP				
9C	IMAZAQUIN	1.50 AS	.063 LB/AC	MP				
9D	X-77 (SURFACTANT)	.50 WA	.250 %	MP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	80	0	87
10B	IMAZAQUIN	1.50 AS	.063 LB/AC	EP				
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	63	0	67
11B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP				
11C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	7	83
12B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
12C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	3	90
13B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP				
13C	IMAZAQUIN	1.50 AS	.030 LB/AC	MP				
13D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	77	7	90
14B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP				
14C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP				
14D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	3	90
15B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP				
15C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP				
15D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	90	3	93
16B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
16C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP				
16D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	83	0	90
17B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
17C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP				
17D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	87	0	97
18B	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE				
18C	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP				
18D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	87	0	87
19B	IMAZAQUIN	1.50 AS	.060 LB/AC	PRE				
19C	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
19D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	93	7	93
20B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE				
20C	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP				
20D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP				
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	87	0	90
21B	DPX 32054	25.00 DF	.004 LB/AC	MP				
21C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	7	83
22B	DPX 32054	25.00 DF	.008 LB/AC	MP				
22C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	77	3	83
23B	DPX 32054	25.00 DF	.012 LB/AC	MP				
23C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	83	3	83
24B	DPX 32054	25.00 DF	.008 LB/AC	MP				
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	0	90
25B	DPX 32054	25.00 DF	.012 LB/AC	MP				
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	80	3	83
26B	DPX 32054	25.00 DF	.008 LB/AC	MP				
26C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	0	83
27B	DPX 32054	25.00 DF	.012 LB/AC	MP				
27C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	83	0	90
28B	DPX 32054	25.00 DF	.008 LB/AC	MP				
28C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
28D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	87	7	93
29B	DPX 32054	25.00 DF	.012 LB/AC	MP				
29C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
29D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	7	97
30B	DPX 32054	25.00 DF	.008 LB/AC	MP				
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
30D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	83	10	83
31B	DPX 32054	25.00 DF	.012 LB/AC	MP				
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
31D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
32A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	90	87	0	90
32B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI				
33A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	80	83	0	83
33B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI				
34A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	100	90	0	100
34B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP				
34C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
35A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	93	87	0	93
35B	METRIBUZIN 1	4.00 F	.250 LB/AC	PPI				
35C	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				
36A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	83	7	87
36B	LACTOFEN	2.00 E	.200 LB/AC	EP				
37A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	87	0	87
37B	LACTOFEN	2.00 E	.200 LB/AC	EP				
37C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
38A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	87	80	7	83
38B	LACTOFEN	2.00 E	.150 LB/AC	EP				
38C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
39A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	83	3	83
39B	LACTOFEN	2.00 E	.200 LB/AC	EP				
39C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP				
40A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	87	3	93
40B	LACTOFEN	2.00 E	.150 LB/AC	EP				
40C	BENTAZON	4.00 E	.380 LB/AC	EP				
40D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP				
41A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	93	3	97
41B	LACTOFEN	2.00 E	.150 LB/AC	EP				
41C	IMAZAQUIN	1.50 AS	.125 LB/AC	EP				
41D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP				
42A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	90	7	90
42B	LACTOFEN	2.00 E	.150 LB/AC	EP				
42C	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
42D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
43A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	97	97	3	97
43B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI				
44A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	100	93	3	100
44B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP				
44C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
45A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	93	80	3	87
45B	METRIBUZIN 1	4.00 F	.330 LB/AC	PPI				
45C	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				
46A	METRIBUZIN 1	4.00 F	.280 LB/AC	PPI	73	63	0	63
46B	FMC 57020	4.00 EC	.750 LB/AC	PPI				
47A	METRIBUZIN 1	4.00 F	.375 LB/AC	PPI	83	77	7	83
47B	FMC 57020	4.00 EC	.750 LB/AC	PPI				
48A	ETHALFLURALIN	3.00 E	.750 LB/AC	PPI	100	87	0	90
48B	IMAZETHAPYR	2.00 AS	.090 LB/AC	PPI				
49A	ETHALFLURALIN	3.00 E	.750 LB/AC	PPI	93	90	0	93
49B	IMAZETHAPYR	2.00 AS	.060 LB/AC	EP				
49C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
50A	ETHALFLURALIN	3.00 E	.750 LB/AC	PPI	93	90	10	90
50B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI				
51A	ETHALFLURALIN	3.00 E	.750 LB/AC	PPI	83	63	0	70
51B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI				
52A	ETHALFLURALIN	3.00 E	.750 LB/AC	PPI	93	87	3	90
52B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP				
52C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
53A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	93	90	7	90
53B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI				
54	FMC 57020	4.00 EC	.750 LB/AC	PPI	90	70	3	73
55	FMC 57020	4.00 EC	1.000 LB/AC	PPI	77	67	7	70
56	FMC 57020	4.00 EC	1.250 LB/AC	PPI	87	73	0	83
57A	FMC 57020	4.00 EC	.750 LB/AC	PPI	87	90	3	93
57B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI				
58A	FMC 57020	4.00 EC	.750 LB/AC	PPI	87	87	0	93
58B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				
59A	FMC 57020	4.00 EC	.750 LB/AC	PPI	90	77	3	80
59B	CHLORIMURON + METRIB	75.00 DF	.250 LB/AC	PPI				
60A	FMC 57020	4.00 EC	.750 LB/AC	PPI	87	83	3	90
60B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
60C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
61A	FMC 57020	4.00 EC	.750 LB/AC	PPI	87	77	0	90
61B	BENTAZON	4.00 E	.750 LB/AC	MP				
61C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
62A	FMC 57020	4.00 EC	.750 LB/AC	PPI	83	80	0	90
62B	LACTOFEN	2.00 E	.200 LB/AC	EP				
63A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	77	60	3	63
63B	METRIBUZIN	75.00 DF	.380 LB/AC	PPI				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
64A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	100	90	0	100
64B	IMAZAQUIN	1.50 AS	.060 LB/AC	PPI				
65A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	90	80	0	80
65B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI				
66	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	90	63	0	70
67A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	93	83	0	90
67B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				
68A	TREFLAN + METRIBUZIN	4.00 EC	1.130 LB/AC	PPI	93	87	10	90
68B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP				
68C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
69A	METALACHLOR + METRIB	8.00 EC	1.750 LB/AC	PPI	93	90	3	93
69B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI				
70	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	90	83	0	83
71	IMAZETHAPYR	2.00 AS	.078 LB/AC	PPI	100	93	7	97
72	IMAZETHAPYR	2.00 AS	.093 LB/AC	PPI	87	83	0	90
73A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	93	63	3	63
73B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI				
74A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	97	90	3	93
74B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE				
75A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	73	83	7	87
75B	X-77 (SURFACTANT)	.50 WA	.250 %	LP				
76A	IMAZETHAPYR	2.00 AS	.078 LB/AC	LP	87	93	0	93
76B	X-77 (SURFACTANT)	.50 WA	.250 %	LP				
77A	IMAZETHAPYR	2.00 AS	.093 LB/AC	LP	83	87	0	90
77B	X-77 (SURFACTANT)	.50 WA	.250 %	LP				
78A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	77	90	0	93
78B	X-77 (SURFACTANT)	.50 WA	.250 %	LP				
78C	10 34 0	.00 AD	1.000 QT/AC	LP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
79A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	93	87	0	90
79B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
79C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
79D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
80A	FOMESAFEN	2.00 LC	.313 LB/AC	EP	93	80	0	87
80B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
80C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
80D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
81A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	97	83	3	87
81B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
81C	2,4-DB	2.00 E	.030 LB/AC	MP				
81D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
82A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	97	93	7	97
82B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
82C	2,4-DB	2.00 E	.030 LB/AC	MP				
82D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
83A	FOMESAFEN	2.00 LC	.125 LB/AC	EP	93	83	0	90
83B	BENTAZON	4.00 E	.750 LB/AC	EP				
83C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
83D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
83E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
84A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	100	83	3	90
84B	BENTAZON	4.00 E	.500 LB/AC	EP				
84C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
84D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
84E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
85A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	90	77	0	87
85B	CHLORIMURON	25.00 DF	.004 LB/AC	EP				
85C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
85D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
85E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
86A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	97	87	10	90
86B	CHLORIMURON	25.00 DF	.008 LB/AC	EP				
86C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP				
86D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP				
86E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				

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TABLE S7112 COCKLEBUR CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WEEKS AFTER APPL			
					GRAS	BRLE	CRIN	COCB
87A	UBI 1484	2.00 L	1.500 LB/AC	LP	57	90	3	93
87B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP				
88A	UBI 1484	2.00 L	1.500 LB/AC	LP	83	80	3	83
88B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	LP				
88C	X-77 (SURFACTANT)	.50 WA	.250 %	LP				
LSD(05):					10	11	6	10

LOCATION: PRINCETON
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K
 DATE PLANTED: MAY 19
 VARIETY: ESSEX

SOIL TYPE: CRIDER SILT LOAM
 PH: 6.5 O.M.: 2.0%
 DATE TREATED: PPI MAY 19
 PRE MAY 19
 EP JUNE 11
 MP JUNE 18
 LP JUNE 24

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TABLE S7117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	ILMG	TAMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	73	0	73	73
1B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
1C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	73	0	73	73
2B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
2C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	53	0	57	57
3B	CHLORIMURON	25.00 DF	.004 LB/AC	EP					
3C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP					
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	73	0	73	77
4B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
4C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
4D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP					
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	63	0	70	70
5B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
5C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
5D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP					
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	67	0	50	50
6B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP					
6C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	63	0	57	60
7B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP					
7C	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	73	0	73	73
8B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP					
8C	IMAZAQUIN	1.50 AS	.030 LB/AC	MP					
8D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	67	0	60	60
9B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP					
9C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP					
9D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	77	0	70	70
10B	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP					
10C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP					
10D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					

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TABLE S7117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	IIMG	TAMG
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	70	0	67	63
11B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP					
11C	IMAZAQUIN	1.50 AS	.060 LB/AC	MP					
11D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	77	0	70	70
12B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP					
12C	IMAZAQUIN	1.50 AS	.090 LB/AC	MP					
12D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	80	0	73	73
13B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE					
13C	ACIFLUORFEN 2	2.00 L	.250 LB/AC	MP					
13D	TRITON AG 98 SURFACT	.00 WA	.250 %	MP					
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	93	70	0	77	70
14B	DPX 32054	25.00 DF	.008 LB/AC	EP					
14C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	67	0	70	73
15B	DPX 32054	25.00 DF	.008 LB/AC	EP					
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	87	77	0	77	77
16B	DPX 32054	25.00 DF	.008 LB/AC	EP					
16C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP					
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	67	0	70	73
17B	DPX 32054	25.00 DF	.008 LB/AC	EP					
17C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP					
17D	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	73	0	80	80
18B	DPX 32054	25.00 DF	.008 LB/AC	EP					
18C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	EP					
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	77	60	0	60	60
19B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE					
20A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	80	0	83	87
20B	LACTOFEN	2.00 E	.200 LB/AC	EP					
21A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	80	0	80	80
21B	LACTOFEN	2.00 E	.150 LB/AC	EP					
21C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP					

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TABLE S7117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	ILMG	TAMG
22A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	93	80	0	83	83
22B	LACTOFEN	2.00 E	.200 LB/AC	EP					
22C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP					
23A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	97	87	0	87	87
23B	LACTOFEN	2.00 E	.200 LB/AC	EP					
23C	X-77 (SURFACTANT)	.50 WA	.250 %	EP					
24A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	90	87	0	90	90
24B	LACTOFEN	2.00 E	.150 LB/AC	EP					
24C	BENTAZON	4.00 E	.380 LB/AC	EP					
24D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP					
25A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	90	0	90	90
25B	LACTOFEN	2.00 E	.150 LB/AC	EP					
25C	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
26A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	100	90	0	87	87
26B	LACTOFEN	2.00 E	.150 LB/AC	EP					
26C	IMAZAQUIN	1.50 AS	.125 LB/AC	EP					
26D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP					
27A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	90	53	0	40	40
27B	METRIBUZIN 1	4.00 F	.330 LB/AC	PRE					
28	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	97	50	0	43	43
29A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	93	80	0	67	67
29B	LINURON	4.00 L	.380 LB/AC	PRE					
30A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	90	63	0	67	67
30B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
30C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
30D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
31A	FOMESAFEN	2.00 LC	.313 LB/AC	EP	90	70	0	70	70
31B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
31C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
31D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
32A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	90	67	0	70	70
32B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
32C	2,4-DB	2.00 E	.030 LB/AC	MP					
32D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					

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TABLE S7117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	IIMG	TAMG
33A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	93	67	3	70	70
33B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
33C	2,4-DB	2.00 E	.030 LB/AC	MP					
33D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
34A	FOMESAFEN	2.00 LC	.125 LB/AC	EP	90	67	0	60	60
34B	BENTAZON	4.00 E	.750 LB/AC	EP					
34C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
34D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
34E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
35A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	93	77	0	80	77
35B	BENTAZON	4.00 E	.500 LB/AC	EP					
35C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
35D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
35E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
36A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	90	70	0	70	70
36B	CHLORIMURON	25.00 DF	.004 LB/AC	EP					
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
36D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
36E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
37A	FOMESAFEN	2.00 LC	.250 LB/AC	EP	97	70	0	83	83
37B	CHLORIMURON	25.00 DF	.008 LB/AC	EP					
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP					
37D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP					
37E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP					
38	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	93	77	0	77	77
39	IMAZETHAPYR	2.00 AS	.078 LB/AC	PPI	93	77	0	73	73
40	IMAZETHAPYR	2.00 AS	.093 LB/AC	PPI	93	80	0	83	80
41A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	80	67	0	73	73
41B	X-77 (SURFACTANT)	.50 WA	.250 %	LP					
42A	IMAZETHAPYR	2.00 AS	.078 LB/AC	LP	87	87	0	80	80
42B	X-77 (SURFACTANT)	.50 WA	.250 %	LP					
43A	IMAZETHAPYR	2.00 AS	.093 LB/AC	LP	83	80	0	77	77
43B	X-77 (SURFACTANT)	.50 WA	.250 %	LP					
44A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	87	87	0	90	87
44B	X-77 (SURFACTANT)	.50 WA	.250 %	LP					

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TABLE S7117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	IIMG	TAMG
45A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	90	67	0	73	73
45B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI					

LSD (05): NS NS NS 15 15

LOCATION: PRINCETON

SOIL TYPE: CRIDER SILT LOAM

FERTILIZATION (LB/AC):

0 N, 60 P,

60 K

PH: 6.5

O.M.: 2.0%

DATE PLANTED: MAY 19

DATE TREATED:

PPI MAY 19

PRE MAY 19

EP JUNE 4

MP JUNE 11

LP JUNE 18

VARIETY: ESSEX

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TABLE T7018 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	ILMG	RRPW	VELE	CAWE
1	BENEFIN	1.50 E	1.500 LB/AC PPI		85	40	0	85	75	78	92	90	42	88
2	DIPHENAMID	90.00 W	6.000 LB/AC PPI		65	55	0	65	65	70	90	75	68	78
3	PENDIMETHALIN	4.00 E	1.500 LB/AC PPI		90	45	0	90	82	75	85	90	45	90
4	PEBULATE	6.00 E	4.000 LB/AC PPI		82	45	0	82	48	80	85	80	75	80
5	FMC 57020	4.00 EC	1.000 LB/AC PPI		92	32	0	92	90	58	90	75	92	40
6	NAPROPAMIDE	4.00 F	1.000 LB/AC PPI		50	48	0	50	72	72	92	80	28	80
7A	SETHOXYDIM	1.53 EC	.200 LB/AC POT		68	45	0	68	58	78	82	55	22	75
7B	OIL CONCENTRATE	.00 AD	1.000 QT/AC POT											
8A	SETHOXYDIM	1.53 EC	.300 LB/AC POT		78	35	0	78	48	88	90	65	40	72
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC POT											
9A	SETHOXYDIM	1.53 EC	.500 LB/AC POT		68	48	0	68	50	65	98	60	55	72
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC POT											
10A	SETHOXYDIM	1.53 EC	.300 LB/AC POT		93	63	0	93	70	77	83	67	53	73
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC POT											
10C	SETHOXYDIM	1.53 EC	.300 LB/AC POD											
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC POD											
11A	SETHOXYDIM	1.53 EC	.200 LB/AC POT		65	58	0	65	68	72	92	65	30	72
11B	BCH 815	.00 AD	2.000 QT/AC POT											
12	SETHOXYDIM	1.53 EC	.500 LB/AC POT		75	50	0	75	52	70	92	62	38	70
13	OIL CONCENTRATE	.00 AD	1.000 QT/AC POT		42	50	0	42	68	70	90	62	40	75
14	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100	100
			LSD (05):		16	24	0	16	14	NS	NS	19	36	13

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.2 O.M.: 2.7%
 DATE PLANTED: JUNE 1 DATE TREATED: PPI JUNE 1
 VARIETY: BURLEY TOBACCO PRE JUNE 1
 POT JUNE 1
 POD JUNE 22