

# Herbicide Evaluation Trials — 1988

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## **I. EXPERIMENTAL TECHNIQUES**

- DESIGN:** All treatments within an experiment were in a randomized complete block design with three or four replications per treatment. Each treated plot was two rows wide by twenty-five to forty feet in length depending on the experiment. An untreated row separated each plot except in the no-tillage studies.
- APPLICATION:** All treatments were applied with a hand-held boom sprayer pressurized by CO<sub>2</sub>. 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 Names</u>	<u>Scientific Name</u>
BLNS	Eastern Black Nightshade	<i>Solanum pytcantum</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>Setaria faberi</i>
GIFT	Giant Foxtail	<i>Panicum dichotomiflorum</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>Coryza 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
- 6LF - Six fully developed leaves formed
- 7LF - Seven fully developed leaves formed
- 8LF - Eight fully developed leaves formed

#### 2. Soybeans

- COT - Cotyledons have emerged and are fully developed
- V1 - Unifoliate leaves at first node are fully developed
- V2 - Trifoliate leaves at second node are fully developed
- V4 - Trifoliate leaves at fourth node are fully developed

## **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. EP - Early Postemergence; weeds < 2"
6. MP - Mid-Postemergence; weeds 2-4"
7. LP - Late Postemergence; weeds 4-6"
8. REG - Sequential Application when Regrowth Occurs
9. +1D - Sequential Treatment applied 1 day after first application
10. +7D - Sequential Treatment applied 7 days after first application
11. 20D - Sequential Treatment applied 20 days after first application
12. 21D - Sequential Treatment applied 21 days after first application
13. 2WP - Treatment Applied 2 weeks prior to planting
14. 14S - Treatment Applied 14" Soybeans
15. 3"G - Treatment Applied to 3" Grass
16. 5"G - Treatment Applied to 5" Grass
17. 4J - 4" Johnsongrass
18. 5J - 5" Johnsongrass
19. 8J - 8" Johnsongrass
20. 12J - 12" Johnsongrass
21. 15J - 15" Johnsongrass
22. 18J - 18" Johnsongrass

### III A. April Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO
4/ 1/88	64	50	.19	98	89	52	50	57	52	
4/ 2/88	70	58	.27	96	60	54	51	62	54	
4/ 3/88	62	57	1.39	94	72	56	54	62	56	
4/ 4/88	68	47	.24	97	52	56	54	65	51	
4/ 5/88	88	50	--	75	38	57	54	71	66	
4/ 6/88	81	42	.59	89	37	56	54	67	51	.18
4/ 7/88	54	47	.23	94	72	55	51	50	43	.08
4/ 8/88	58	35	TRACE	74	45	52	49	57	42	.16
4/ 9/88	63	29	--	75	36	52	50	59	40	.17
4/10/88	67	32	--	66	36	54	51	60	42	.21
4/11/88	69	42	--	66	24	54	51	58	44	.23
4/12/88	66	42	--	51	33	54	51	62	45	.21
4/13/88	69	38	--	77	43	55	52	68	46	.12
4/14/88	68	50	--	77	40	55	53	67	50	.24
4/15/88	65	38	--	57	39	55	51	63	43	.24
4/16/88	59	32	--	62	39	53	50	62	40	.17
4/17/88	69	37	--	67	35	55	50	65	42	.29
4/18/88	67	37	.84	95	35	55	52	63	50	.00
4/19/88	56	34	--	91	38	54	49	56	41	.27
4/20/88	65	30	--	57	34	54	39	55	38	.23
4/21/88	64	38	--	65	34	56	51	62	45	.15
4/22/88	73	45	.03	94	66	59	51	68	51	.14
4/23/88	80	58	--	88	37	61	58	69	60	.25
4/24/88	70	39	--	72	38	62	56	67	50	.09
4/25/88	61	28	--	93	50	59	52	59	42	.10
4/26/88	72	31	--	88	37	59	52	70	44	.22
4/27/88	70	41	--	60	40	59	55	70	51	.26
4/28/88	55	35	--	68	50	60	54	63	47	.19
4/29/88	66	33	--	61	35	56	51	64	41	.25
4/30/88	69	36	--	46	31	60	54	69	45	.19

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

AVERAGES	SUMMARY													
	FOR PERIOD						ACCUMULATIONS						FOR PERIOD	
STATION	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL				
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.				
						HI	LO	HI	LO	MOD	DAYS	DAYS		
SPINDLETOP	67	40	54	76	44	56	52	63	47	3.78	4.64	272	340	8
STATION	TEMP	PCPN	RH	SOILTEMP		EVAP	GDD	HEAT	COOL					
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.					
					HI	LO	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	88	28	1.39	98	24	62	39	71	38	.29	19	20	4	



### III A. May Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
5/ 1/88	74	36	--	77	35	68	53	71	48	.28
5/ 2/88	72	37	--	64	30	62	56	74	50	.17
5/ 3/88	74	41	--	61	31	62	57	72	51	.19
5/ 4/88	70	41	.63	93	32	62	59	72	56	.18
5/ 5/88	64	44	.04	93	43	59	56	57	52	.11
5/ 6/88	73	40	TRACE	66	43	61	53	65	46	.27
5/ 7/88	77	41	--	74	43	69	54	74	53	.10
5/ 8/88	83	49	TRACE	58	30	64	60	75	53	.34
5/ 9/88	78	53	.76	90	43	64	61	74	58	.34
5/10/88	78	52	--	89	37	65	61	68	55	.26
5/11/88	73	44	--	93	34	66	61	73	53	.38
5/12/88	78	42	--	66	32	66	61	76	52	.26
5/13/88	82	58	--	59	32	66	62	80	58	.29
5/14/88	84	57	.19	87	41	69	64	82	61	.28
5/15/88	86	56	--	94	48	70	66	84	62	.30
5/16/88	82	63	--	78	35	71	67	82	66	.35
5/17/88	76	50	.01	87	35	72	65	81	61	.36
5/18/88	68	44	--	94	61	69	64	75	57	.15
5/19/88	69	45	--	92	71	67	63	74	56	.16
5/20/88	78	48	--	97	53	67	62	76	58	.10
5/21/88	85	52	--	89	36	69	64	81	61	.23
5/22/88	85	61	--	77	36	69	66	82	63	.20
5/23/88	80	60	.79	94	42	70	66	78	64	.35
5/24/88	73	51	.02	98	45	70	65	71	61	.10
5/25/88	73	40	.11	94	41	68	62	68	52	.16
5/26/88	73	37	--	87	35	69	64	75	50	.25
5/27/88	80	42	--	68	31	70	63	81	54	.23
5/28/88	82	44	--	79	31	70	64	82	57	.38
5/29/88	86	49	--	79	35	73	66	86	60	.31
5/30/88	88	51	--	88	34	74	68	88	64	.26
5/31/88	90	54	--	80	33	74	69	89	66	.28

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

SUMMARY														
AVERAGES			ACCUMULATIONS											
STATION	FOR PERIOD			FOR PERIOD										
	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		
SPINDLETOP	78	48	63	82	39	68	62	76	57	2.55	7.62	469	120	59
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	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	90	36	.79	98	30	74	53	89	46	.38	23	11	8	

### III A. June Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
6/ 1/88	91	51	--	89	31	75	70	90	67	.26
6/ 2/88	91	51	--	76	35	75	70	88	69	.28
6/ 3/88	77	50	--	92	38	74	69	85	65	.35
6/ 4/88	74	42	--	77	35	73	67	81	59	.29
6/ 5/88	81	42	--	77	33	72	66	84	59	.33
6/ 6/88	91	49	--	64	31	79	67	88	63	.28
6/ 7/88	91	50	--	78	32	74	70	89	67	.41
6/ 8/88	94	60	--	71	31	75	70	91	68	.37
6/ 9/88	89	46	.54	90	40	75	68	90	62	.39
6/10/88	71	39	--	67	35	71	65	77	53	.30
6/11/88	79	40	--	89	30	72	66	82	55	.27
6/12/88	85	51	--	76	31	73	66	86	60	.33
6/13/88	92	60	--	74	30	75	68	90	64	.23
6/14/88	94	53	--	85	28	77	70	91	67	.39
6/15/88	94	59	--	89	28	77	71	92	70	.37
6/16/88	92	64	.01	70	32	76	72	90	71	.29
6/17/88	83	62	--	95	45	76	71	84	66	.32
6/18/88	88	54	--	95	25	76	70	88	67	.33
6/19/88	91	64	--	95	25	76	71	90	68	.38
6/20/88	96	66	--	80	30	78	72	90	72	.35
6/21/88	98	66	--	76	31	79	74	94	74	.44
6/22/88	99	68	--	67	31	79	75	95	75	.55
6/23/88	96	72	--	66	46	81	76	92	77	.37
6/24/88	96	62	--	68	33	80	75	94	74	.39
6/25/88	100	52	TRACE	77	36	80	76	95	75	.35
6/26/88	92	73	--	74	36	80	76	92	78	.52
6/27/88	86	52	--	76	34	81	74	91	69	.44
6/28/88	91	49	--	65	27	79	73	90	66	.50
6/29/88	90	51	--	66	35	80	74	88	70	.34
6/30/88	84	60	--	93	25	79	74	90	71	.33

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

AVERAGES		SUMMARY ACCUMULATIONS												
STATION	FOR PERIOD					FOR PERIOD					GDD	HEAT	COOL	
	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	50	DEG.	DEG.				
	HI	LO	AVG	HI	LO	GRASS	BARE	HI	LO	HI	LO	MOD	DAYS	DAYS
SPINDLETOP	89	55	72	79	33	77	71	89	67	.55	####	619	26	249
STATION	EXTREMES FOR PERIOD										GDD	HEAT	COOL	
	TEMP	PCPN	RH	SOILTEMP		EVAP	50	DEG.	DEG.					
	HI	LO	HI	LO	GRASS	BARE	HI	LO	HI	LO	MOD	DAYS	DAYS	
SPINDLETOP	100	39	.54	95	25	81	65	95	53	.55	30	10	19	

### III A. July Climatological Data, Spindletop

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
7/ 1/88		79	49	--	51	28	79	72	85	65	.37
7/ 2/88		86	46	--	70	25	78	72	88	64	.35
7/ 3/88		92	50	--	68	23	79	73	90	66	.31
7/ 4/88		95	63	--	92	29	80	75	92	71	.38
7/ 5/88		96	65	--	84	32	81	77	94	74	.38
7/ 6/88		96	62	--	75	31	82	76	94	74	.36
7/ 7/88		101	62	--	70	25	82	77	96	74	.37
7/ 8/88		102	64	--	72	27	83	78	96	76	.44
7/ 9/88		103	68	--	69	20	84	79	96	78	.41
7/10/88		99	70	.02	67	35	85	79	96	78	.36
7/11/88		96	63	1.52	96	64	83	78	96	74	.12
7/12/88		80	65	.06	90	79	79	74	79	70	.14
7/13/88		86	68	.03	93	61	77	75	80	70	.11
7/14/88		92	70	--	95	54	81	79	84	73	.29
7/15/88		100	70	--	94	39	85	80	95	74	.30
7/16/88		98	75	--	91	44	84	80	96	80	.46
7/17/88		98	73	.05	87	44	85	80	94	79	.31
7/18/88		94	68	.02	94	52	84	79	92	76	.29
7/19/88		86	69	.51	95	76	82	77	82	75	.11
7/20/88		85	69	.91	95	74	80	76	81	73	.19
7/21/88		82	62	.10	96	60	78	75	79	70	.14
7/22/88		85	60	.63	96	51	78	74	81	67	.30
7/23/88		84	61	--	95	47	78	74	82	67	.14
7/24/88		86	60	--	93	42	79	74	84	67	.20
7/25/88		87	62	--	91	42	78	75	87	69	.42
7/26/88		86	61	--	96	49	79	75	91	70	.19
7/27/88		89	62	--	95	47	80	76	89	72	.27
7/28/88		91	60	--	95	40	80	76	95	72	.23
7/29/88		92	62	--	93	45	81	78	95	73	.21
7/30/88		90	71	--	93	55	80	76	92	78	.32
7/31/88		91	65	.02	94	55	80	76	93	75	.19

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

SUMMARY														
AVERAGES				ACCUMULATIONS										
STATION	FOR PERIOD			RH		SOILTEMP				PCPN EVAP		GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
	TEMP HI	TEMP LO	PER AVG	HI	LO	GRASS HI	GRASS LO	BARE HI	BARE LO	PCPN	EVAP			
SPINDLETOP	91	64	78	87	45	81	76	89	72	3.87	8.66	769	1	395
EXTREMES FOR PERIOD														
STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP GRASS LO	SOILTEMP BARE HI	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS	
SPINDLETOP	103	46	1.52	96	20	85	72	96	64	.46	31	1	22	

### III A. August Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO		
8/ 1/88	95	65	--	95	40	81	76	96	74	.20
8/ 2/88	96	65	--	96	45	82	78	95	77	.24
8/ 3/88	95	70	TRACE	89	47	81	78	95	79	.23
8/ 4/88	92	64	1.39	95	54	82	77	92	74	.20
8/ 5/88	87	68	.05	94	66	80	77	82	73	.18
8/ 6/88	88	67	.59	96	59	80	76	82	73	.24
8/ 7/88	89	61	--	96	41	81	76	87	70	.19
8/ 8/88	89	60	--	94	47	81	76	90	69	.30
8/ 9/88	92	64	--	96	47	82	77	93	72	.30
8/10/88	94	69	--	91		82	78	95	74	.31
8/11/88	93	70	--	98	55	83	78	91	76	.18
8/12/88	87	73	.06	93	69	82	78	88	76	.11
8/13/88	92	71	--	94	49	83	79	96	74	.20
8/14/88	93	70	--	90	48	83	79	95	75	.41
8/15/88	97	75	--	91	47	84	79	97	80	.24
8/16/88	98	75	--	93	38	86	80	99	80	.35
8/17/88	100	66	--	95	30	85	79	99	76	.38
8/18/88	98	71	--	91	39	85	80	98	78	.27
8/19/88	93	76	.24	94	61	85	80	96	77	.25
8/20/88	87	71	TRACE	89	54	81	78	87	74	.14
8/21/88	86	67	--	91	39	82	77	89	73	.26
8/22/88	86	62	--							
8/23/88	86	59	--	89	34	82	75	88	68	.27

\*\*\*\*\*A '\*' ABOVE AN AVERAGE VALUE MEANS THERE IS \*\*\*\*\*  
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SUMMARY													
AVERAGES			ACCUMULATIONS										
STATION	FOR PERIOD			FOR PERIOD									
	TEMP	PER	RH	SOILTEMP		PCPN	EVAP	GDD	HEAT	COOL			
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	DEG.			
				HI	LO	HI	LO	MOD	DAYS	DAYS			
SPINDLETOP	92	68	80	* 93	* 48	* 82	* 78	* 92	* 75	2.33	5.45	625	348
EXTREMES FOR PERIOD													
STATION	TEMP	PCPN	RH	SOILTEMP		EVAP	GDD	HEAT	COOL				
	HI	LO	HI	LO	GRASS	BARE	50	DEG.	DEG.				
			HI	LO	HI	LO	MOD	DAYS	DAYS				
SPINDLETOP	100	59	1.39	98	30	86	75	99	68	.41	31		22

### III A. September Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
9/ 1/88	86	54	--	86	42	75	69	83	61	.23
9/ 2/88	84	63	--	85	44	75	71			
9/ 3/88	67	50	--							
9/ 4/88	76	59	--	90	51	73	71			
9/ 5/88	66	51	--	87	63	72	68			
9/ 6/88	67	42	--	58	49	70	65	70	51	.12
9/ 7/88	70	42	--	92	30	70	65	76	50	.19
9/ 8/88	78	50	--	81	42	69	63	74	50	.21
9/ 9/88	82	52	--	87	36	71	66	82	57	.14
9/10/88	81	59	--	85	46	70	67	80	61	.20
9/11/88	46	61	.04	86	49	72	68	83	64	.10
9/12/88	84	66	.63	85	57	74	70	79	67	.24
9/13/88	87	71	--	82	53	75	72	81	69	.20
9/14/88	81	59	--	85	27	76	71	84	65	.19
9/15/88	79	51	--	84	38	76	70	83	60	.24
9/16/88	79	58	.36	85	40	75	69	79	63	.17
9/17/88	80	66	.23	83	55	73	70	78	66	.06
9/18/88	77	59	TRACE	84	58	74	70	78	63	.14
9/19/88	79	65	TRACE	83	58	72	70	73	65	.12
9/20/88	78	62	.20	84	36	73	70	74	65	.33
9/21/88	79	51	--	83	32	73	67	80	56	.13
9/22/88	82	49	--	86	35	72	67	81	57	.25
9/23/88	83	70	--	79	59					
9/24/88	80	58	1.19	84	72					
9/25/88	75	54	--	83	37	78	68	81	60	
9/26/88	81	46	--	85	40	71	66	73	54	.19
9/27/88	79	48	--	85	40	70	66	76	55	.14
9/28/88	79	56	--	84	46	71	67	79	59	.13
9/29/88	79	58	--	84	48	72	68	76	61	.14
9/30/88	79	66	.01							

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SUMMARY														
AVERAGES				ACCUMULATIONS										
STATION	FOR PERIOD			RH		SOILTEMP				PCPN EVAP		GDD	HEAT	COOL
	TEMP	PER		HI	LO	GRASS	BARE							
	HI	LO	AVG			HI	LO	HI	LO	HI	LO	MOD	DAYS	DAYS
SPINDLETOP	77	57	67	*	*	*	*	*	*		*	528	45	112
EXTREMES FOR PERIOD														
STATION	TEMP		PCPN	RH		SOILTEMP				EVAP	GDD	HEAT	COOL	
	HI	LO		HI	LO	GRASS	BARE							50
	HI	LO				HI	LO	HI	LO			MOD	DAYS	DAYS
SPINDLETOP	87	42	1.19	92	27	78	63	84	50	.33	29	11	14	

### 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/ 1/88	77	39	--	98	26	65	57			
5/ 2/88	79	42	--	84	24	68	60			
5/ 3/88	78	52	.06	96	42	68	62			
5/ 4/88	65	52	1.25	100	52	68	60			
5/ 5/88	71	40	--	96	58	70	62			
5/ 6/88	78	42	--	98	22	70	65			
5/ 7/88	82	45	--	98	32	70	68			
5/ 8/88	82	62	--	90	45	68	60			
5/ 9/88	80	59	.69	100	58	70	65			
5/10/88	80	52	--	98	22	71	68			
5/11/88	80	47	--	98	32	72	68			
5/12/88	83	52	--	98	32	74	70			
5/13/88	84	57	--	98	48	74	72			
5/14/88	86	59	--	98	62	76	72			
5/15/88	88	61	--	98	36	76	70			
5/16/88	85	62	--	98	34	78	72			
5/17/88	85	55	--	98	42	78	70			
5/18/88	78	50	--	96	52	78	72			
5/19/88	81	49	--	98	28	78	70			
5/20/88	86	52	--	94	42	75	68			
5/21/88	86	58	--	90	32	76	68			
5/22/88	79	64	.46	100	66	76	68			
5/23/88	74	58	.83	100	60	76	68			
5/24/88	75	58	.16	100	58	77	68			
5/25/88	73	46	--	98	32	75	62			
5/26/88	78	42	--	98	28	75	68			
5/27/88	80	44	--	98	32	76	70			
5/28/88	85	50	--	98	32	78	72			
5/29/88	87	54	--	98	30	78	72			
5/30/88	90	56	--	98	34	79	74			
5/31/88	91	58	--	98	32	80	74			

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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	81	52	67	97	40	74	68	3.45	545	47	102	

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		

### III B. June Climatological Data, Princeton

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
	HI	LO		HI	LO	HI	LO	HI	LO	
6/ 1/88	92	59	--	98	30	80	74			
6/ 2/88	90	62	--	90	60	80	76			
6/ 3/88	92	58	--	98	32	80	76			
6/ 4/88	72	48	--	98	30	78	70			
6/ 5/88	88	47	--	98	28	79	74			
6/ 6/88	88	50	--	98	24	80	76			
6/ 7/88	91	56	--	98	30	81	70			
6/ 8/88	93	56	--	98	28	81	72			
6/ 9/88	90	56	.17	100	38	80	76			
6/10/88	76	48	--	90	30	80	78			
6/11/88	83	44	--	96	22	81	74			
6/12/88	88	50	--	98	24	80	75			
6/13/88	92	56	--	98	30	82	74			
6/14/88	93	60	--	98	28	84	76			
6/15/88	94	60	--	98	26	84	78			
6/16/88	92	62	--	98	56	82	74			
6/17/88	88	56	--	98	28	82	74			
6/18/88	91	58	--	94	34	83	76			
6/19/88	94	63	--	98	34	83	76			
6/20/88	97	64	--	98	30	84	78			
6/21/88	98	65	--	98	30	86	78			
6/22/88	100	70	--	98	34	88	79			
6/23/88	102	72	--	98	32	88	78			
6/24/88	101	72	--	98	34	88	80			
6/25/88	101	72	--	84	44	89	80			
6/26/88	100	74	--	84	44	88	80			
6/27/88	94	62	--	90	30	88	80			
6/28/88	94	52	--	98	22	87	78			
6/29/88	95	58	TRACE	96	28	86	78			
6/30/88	77	68	.46	100	74	88	78			

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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	92	59	76	96	34	83	76	.63	670	9 328
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	102	44	.46	100	22	89	70	30	5 22	

### III B. July Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP
		HI	LO		HI	LO	GRASS		BARE		
							HI	LO	HI	LO	
7/ 1/88		80	56	--	90	36	88	79			
7/ 2/88		82	56	--	68	32	87	75			
7/ 3/88		92	58	--	98	26	88	82			
7/ 4/88		96	64	--	90	42	88	80			
7/ 5/88		95	70	--	100	40	88	78			
7/ 6/88		96	68	--	98	30	88	74			
7/ 7/88		99	64	--	92	26	88	78			
7/ 8/88		103	65	--	100	26	88	76			
7/ 9/88		102	70	--	100	32	88	78			
7/10/88		96	69	--	98	38	88	78			
7/11/88		92	70	.46	100	62	88	80			
7/12/88		76	69	1.36	100	100	86	76			
7/13/88		86	72	.10	100	82	86	78			
7/14/88		96	70	--	100	54	88	76			
7/15/88		99	74	--	100	60	88	86			
7/16/88		96	74	--	100	50	88	78			
7/17/88		98	76	--	98	42	88	77			
7/18/88		94	74	--	98	72	89	82			
7/19/88		90	73	.04	100	60	89	82			
7/20/88		85	75	.30	98	72	88	78			
7/21/88		85	69	.28	98	60	87	76			
7/22/88		88	59	--	90	50	88	78			
7/23/88		89	60	--	90	50	89	78			
7/24/88		90	61	--	100	50	83	76			
7/25/88		88	68	.37	100	50	86	70			
7/26/88		85	62	.41	95	50	86	76			
7/27/88		90	65	--	100	42	86	78			
7/28/88		92	63	--	95	46	87	76			
7/29/88		93	68	--	94	50	88	78			
7/30/88		92	70	.55	98	48	86	76			
7/31/88		92	71	--	95	50	85	76			

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AVERAGES	SUMMARY								FOR PERIOD	FOR PERIOD
	FOR PERIOD				ACCUMULATIONS					
STATION	TEMP	PER	RH	SOILTEMP	PCPN	EVAP	GDD	HEAT	COOL	
	HI	LO	AVG	HI	LO	GRASS	BARE	50	DEG.	
				HI	LO	HI	LO	MOD	DAYS	
						HI	LO		DAYS	
PRINCETON	92	67	80	96	49	87	78	3.87	818	452
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	103	56	1.36	100	26	89	70	31		22



### III B. August Climatological Data, Princeton

	TEMP		PCPN	RH *		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
8/ 1/88	92	72	--	95	50	86	79			
8/ 2/88	96	72	--	96	50	86	79			
8/ 3/88	95	71	--	95	50	87	80			
8/ 4/88	96	69	1.10	95	52	87	80			
8/ 5/88	90	72	.12	97	64	86	79			
8/ 6/88	88	72	.68	95	55	86	74			
8/ 7/88	92	70	--	98	45	87	79			
8/ 8/88	96	68	--	98	42	88	80			
8/ 9/88	96	73	--	95	40	88	80			
8/10/88	95	73	TRACE	96	46	88	82			
8/11/88	92	72	.04	96	40	88	80			
8/12/88	91	72	--	96	48	88	78			
8/13/88	94	74	--	90	50	88	78			
8/14/88	95	71	--	100	50	86	80			
8/15/88	98	71	--	95	46	87	81			
8/16/88	99	72	--	96	36	87	81			
8/17/88	101	73	--	100	28	88	82			
8/18/88	101	75	--	96	34	89	83			
8/19/88	97	73	.21	100	60	88	83			
8/20/88	89	72	.89	95	60	88	80			
8/21/88	87	70	--	100	50	88	80			
8/22/88	91	66	--	96	40	88	78			
8/23/88	88	74	.16	98	78	87	80			
8/24/88	89	66	--	96	26	86	78			
8/25/88	90	58	--	96	30	86	60			
8/26/88	88	62	--	98	30	84	78			
8/27/88	92	60	--	98	35	86	76			
8/28/88	86	69	.39	96	66	85	74			
8/29/88	76	70	.07	92	32	85	82			
8/30/88	79	52	--	96	34	84	80			
8/31/88	82	57	--	100	50	82	78			

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SUMMARY											
AVERAGES				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	HI	LO	MOD	DAYS	DAYS	
PRINCETON	92	69	81	96	46	87	79	3.66	849	482	
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	HI	LO	MOD	DAYS	DAYS		

### III B. September Climatological Data, Princeton

		TEMP		PCPN	RH		SOILTEMP				EVAP	
		HI	LO		HI	LO	GRASS		BARE			
								HI	LO	HI	LO	
9/ 1/88		88	60	--	100	50	82	80				
9/ 2/88		87	66	--	94	59	80	78				
9/ 3/88		3	50	--	96	40	74	65				
9/ 4/88		75	60	--	100	57	77	68				
9/ 5/88		75	57	--	96	37	75	68				
9/ 6/88		68	46	--	96	40	74	70				
9/ 7/88		76	45	--			72	68				
9/ 8/88		82	52	--			74	62				
9/ 9/88		85	55	--								
9/10/88		87	58	--	90	50	74	68				
9/11/88		84	59	.14	90	68	76	70				
9/12/88		85	72	--	95	65	77	74				
9/13/88		91	69	--	95	53	78	74				
9/14/88		91	63	--			79	74				
9/15/88		85	59	--			78	70				
9/16/88		83	66	.08			78	73				
9/17/88		85	68	.12	95	55	78	74				
9/18/88		84	67	.05			77	73				
9/19/88		85	70	.03			77	74				
9/20/88		82	56	.25	95	40	73	70				
9/21/88		85	50	--	96	28	78	72				
9/22/88		90	56	--	98	50	79	72				
9/23/88		88	71	--	98	60	79	74				
9/24/88		85	62	.85	97	60	78	72				
9/25/88		75	59	.02			73	69				
9/26/88		80	49	--			74	70				
9/27/88		82	50	--	95	48	74	67				
9/28/88		81	59	--	92	57	76	71				
9/29/88		82	54	--	98	68	72	68				
9/30/88		77	65	--	95	73	73	69				

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AVERAGES		SUMMARY ACCUMULATIONS												
STATION	FOR PERIOD					FOR PERIOD								
	TEMP HI	TEMP LO	PER AVG	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP BARE HI	SOILTEMP GRASS LO	SOILTEMP BARE LO	PCPN	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS
PRINCETON	80	59	70	* 96	* 53	* 76	* 71			1.54		614	50	197
EXTREMES FOR PERIOD														
STATION	TEMP HI	TEMP LO	PCPN	RH HI	RH LO	SOILTEMP GRASS HI	SOILTEMP BARE HI	SOILTEMP GRASS LO	SOILTEMP BARE LO	EVAP	GDD 50 MOD	HEAT DEG. DAYS	COOL DEG. DAYS	
PRINCETON	91	45	.85	100	28	82	62				29	38	15	

#### IV. HERBICIDES IN REPORT

CHEMICAL/COMMON	TRADE NAME	COMPANY
181977		ELANCO
2,4-D AMINE	FORMULA 40, WEEDAR 64	VERTAC, RHONE POULENC
2,4-DB	BUTYRAC 200	RHONE POULENC
2,4-D ESTER	ESTERON 99	VERTAC
	10-34-0	
AC 513655		AMERICAN CYANAMID
ACIFLUORFEN 1	BLAZER 2L	BASF
ACIFLUORFEN 2	TACKLE	RHONE POULENC
ALACHLOR	LASSO 4E, 4MT	MONSANTO
ALACHLOR + ATRAZINE	LARIAT	MONSANTO
ALACHLOR MT + ATRAZINE	BULLET	MONSANTO
ALACHLOR + GLYPHOSATE	BRONCO (LASSO 2.5 + ROUNDUP 1.5)	MONSANTO
AMMONIUM SULFATE		
ATRAZINE	ATRAZINE (DUPONT), AATREX, AATREX NINE-0	DUPONT, CIBA GEIGY
BENTAZON	BASAGRAN	BASF
BENTAZON + ACIFLUORFEN	STORM	BASF
BENTAZON+ACIFLUORFEN 3:1	BROMINAL ME4	UNION CARBIDE
BENTAZON + ATRAZINE	LADDOK	BASF
BROMOXYNIL 2	BUCTRIL	RHONE POULENC
BUTYLATE + R25788	SUTAN +	ICI
BUTYLATE PKG.+ATRAZINE	SUTAZINE	ICI
BUTYLATE PKG.+ATRAZINE 2	SUTAZINE II	ICI
CGA 136872	BEACON	CIBA GEIGY
CHLORIMURON	CLASSIC	DUPONT
CHLORIMURON + LINURON	GEMINI	DUPONT
CHLORIMURON+METRIBUZIN	CANOPY	DUPONT
CINMETHYLIN	CINCH	DUPONT
CP 55097	HARNESS	MONSANTO
CYANAZINE	BLADEX 4L, 80W	DUPONT
CYANAZINE + ATRAZINE	EXTRAZINE	DUPONT
CROP OIL CONCENTRATE	PEPTOIL	
DASH		BASF
DICAMBA	BANVEL	SANDOZ
DICAMBA + ATRAZINE	MARKSMAN	SANDOZ
DPX L8348	PREVIEW	DUPONT
DPX M6316		DUPONT
DPX R8260	LOROX PLUS	DUPONT
EF 689		DOW
EPTC + R25788	ERADICANE	ICI
EPTC + R25788 + R33865	ERADICANE EXTRA	ICI
ETHALFLURALIN	SONALAN	ELANCO
FENOXAPROP	WHIP	AMERICAN HOECHST
FMC 57020 (CLOMAZONE)	COMMAND	FMC
FLUAZIFOP-BUTYL	FUSILADE 2000	ICI
FOMESAFEN	REFLEX	ICI
GLYPHOSATE	ROUNDUP	MONSANTO
HOE 39866	IGNITE	AMERICAN HOECHST
HOE 46360		AMERICAN HOECHST
ICI 5676		ICI
IMAZAQUIN	SCEPTER	AMERICAN CYANAMID

#### IV. HERBICIDES (continued)

IMAZETHAPYR	PURSUIT	AMERICAN CYANAMID
LACTOFEN	COBRA	VALENT
LINURON	LOROX	DUPONT
LIQUID FERTILIZER	28% NITROGEN	
METALACHLOR	DUAL	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP	CIBA GEIGY
METALACHLOR+METRIBUZIN	TURBO	MOBAY
METRIBUZIN 1	SENCOR 4L,75DF	MOBAY
METRIBUZIN 1 OR 2	METRIBUZIN	
METRIBUZIN 2	LEXONE 4L,75DF	DUPONT
MON 9839		MONSANTO
MON 14482		MONSANTO
NAPTALAM + 2,4-DB	RESCUE	UNIROYAL
ORYZALIN	SURFLAN	ELANCO
PARAQUAT	GRAMOXONE	ICI
PARAQUAT + METRIBUZIN	PRELUDE	ICI
PENDIMETHALIN	PROWL	AMERICAN CYANAMID
PENDIMETH. + IMAZAQUIN	SQUADRON	AMERICAN CYANAMID
PYRIDATE	TOUGH	RIVERSIDE TERRA
PYRIDATE + ATRAZINE	GRANAT	RIVERSIDE TERRA
QUIZALAFOP	ASSURE	DUPONT
RE 40885	BENCHMARK	VALENT
RE 45601 (CLETHODIM)	SELECT	VALENT
RO 17-3664		MOBAY
S-23031		VALENT
S-23121		VALENT
S-53482		VALENT
S-63596		VALENT
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
V9360		DUPONT

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GRFT	JIWE	COLQ	ILMG	TAMG	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	65	0	100	92	92	48	78	85
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	95	0	100	95	100	98	95	100
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	85	0	100	100	98	80	92	95
3B	CYANAZINE	4.00 L	1.500 LB/AC	PRE									
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	90	0	100	100	100	90	98	92
4B	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	PRE									
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	88	0	100	100	100	82	92	100
5B	AC 513655	4.80 FL	.900 LB/AC	PRE									
6A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	90	0	100	100	100	85	95	100
6B	ATRAZINE	4.00 L	1.000 LB/AC	PRE									
6C	181977	80.00 DF	.250 LB/AC	PRE									
7A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	100	88	0	100	100	100	85	88	98
7B	ATRAZINE	4.00 L	1.250 LB/AC	PRE									
7C	181977	80.00 DF	.250 LB/AC	PRE									
8	METOLACHLOR	8.00 E	.750 LB/AC	PRE	95	38	0	95	95	55	32	72	82
9	METOLACHLOR	8.00 E	1.000 LB/AC	PRE	92	32	0	92	82	50	25	68	80
10	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	98	32	0	98	95	65	25	55	85
11	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	52	0	100	95	90	40	70	85
12A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	90	0	100	100	100	92	88	95
12B	ATRAZINE	4.00 L	1.200 LB/AC	PRE									
13A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	90	0	100	100	100	90	95	98
13B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
14A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	98	0	100	100	100	98	100	98
14B	ATRAZINE	4.00 L	1.200 LB/AC	PRE									
14C	DICAMBA	4.00 S	.360 LB/AC	PRE									
15A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	100	85	0	100	100	100	80	90	100
15B	AC 513655	4.80 FL	.900 LB/AC	PRE									
16A	ATRAZINE	4.00 L	1.250 LB/AC	PRE	80	90	0	80	100	100	88	98	100
16B	181977	80.00 DF	.300 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GRFT	JIWE	COLQ	ILMG	TAMG	VELE
17A	CYANAZINE	4.00 L	1.000 LB/AC	PRE	92	92	0	92	100	100	92	92	100
17B	ATRAZINE	4.00 L	1.000 LB/AC	PRE									
17C	181977	80.00 DF	.250 LB/AC	PRE									
18	METALACHLOR + ATRAZI	6.00 L	2.400 LB/AC	PRE	98	70	0	98	100	100	65	78	82
19	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC	PRE	100	88	0	100	100	100	82	95	98
20A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	92	75	0	92	100	100	65	85	100
20B	AC 513655	4.80 FL	.900 LB/AC	PRE									
21	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	90	85	0	90	100	100	90	95	90
22	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE	100	90	0	100	100	100	88	95	95
23A	CP 55097	7.50 EC	1.250 LB/AC	PRE	100	85	0	100	98	100	82	92	92
23B	ATRAZINE	4.00 L	.900 LB/AC	PRE									
24A	CP 55097	7.50 EC	1.500 LB/AC	PRE	100	80	0	100	100	100	78	80	88
24B	ATRAZINE	4.00 L	1.100 LB/AC	PRE									
25A	CP 55097	7.50 EC	1.500 LB/AC	PRE	100	95	0	100	98	100	98	95	95
25B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
26A	CP 55097	7.50 EC	1.750 LB/AC	PRE	100	95	10	100	100	100	95	98	100
26B	ATRAZINE	4.00 L	1.300 LB/AC	PRE									
27	ICIA 5676	7.00 E	.750 LB/AC	PRE	100	62	0	100	98	98	40	85	90
28	ICIA 5676	7.00 E	1.000 LB/AC	PRE	100	42	0	100	95	95	32	52	78
29	ICIA 5676	7.00 E	1.500 LB/AC	PRE	100	55	0	100	100	100	45	65	82
30	ICIA 5676	7.00 E	2.000 LB/AC	PRE	100	60	0	100	100	98	35	75	92
31	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100
LSD(05):					4	15	2	4	9	14	19	18	12

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 2 DATE TREATED: PRE MAY 2  
 VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GRFT	JIWE	COLQ	ILMG	TAMG	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	85	90	40	70	82
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	95	100	92	92	100
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	98	98	70	82	92
3B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	98	100	100	78	88	90
4B	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	PRE							
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	100	100	68	85	100
5B	AC 513655	4.80 FL	.900 LB/AC	PRE							
6A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	0	100	100	100	82	90	100
6B	ATRAZINE	4.00 L	1.000 LB/AC	PRE							
6C	181977	80.00 DF	.250 LB/AC	PRE							
7A	ALACHLOR	4.00 MT	1.000 LB/AC	PRE	0	100	98	100	80	82	98
7B	ATRAZINE	4.00 L	1.250 LB/AC	PRE							
7C	181977	80.00 DF	.250 LB/AC	PRE							
8	METOLACHLOR	8.00 E	.750 LB/AC	PRE	0	90	95	50	25	62	72
9	METOLACHLOR	8.00 E	1.000 LB/AC	PRE	0	92	82	45	25	62	78
10	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	0	95	95	58	18	52	82
11	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	100	95	90	32	60	80
12A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	100	100	100	80	85	92
12B	ATRAZINE	4.00 L	1.200 LB/AC	PRE							
13A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	98	100	100	75	88	98
13B	ATRAZINE	4.00 L	2.000 LB/AC	PRE							
14A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	100	100	100	82	88	98
14B	ATRAZINE	4.00 L	1.200 LB/AC	PRE							
14C	DICAMBA	4.00 S	.360 LB/AC	PRE							
15A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	100	100	100	72	82	100
15B	AC 513655	4.80 FL	.900 LB/AC	PRE							
16A	ATRAZINE	4.00 L	1.250 LB/AC	PRE	0	62	100	100	80	92	100
16B	181977	80.00 DF	.300 LB/AC	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GRFT	JIWE	COLQ	ILMG	TAMG	VELE
17A	CYANAZINE	4.00 L	1.000 LB/AC	PRE	0	90	100	100	88	90	98
17B	ATRAZINE	4.00 L	1.000 LB/AC	PRE							
17C	181977	80.00 DF	.250 LB/AC	PRE							
18	METALACHLOR + ATRAZI	6.00 L	2.400 LB/AC	PRE	0	95	100	100	58	72	80
19	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC	PRE	0	100	100	100	72	88	98
20A	PENDIMETHALIN	4.00 E	1.500 LB/AC	PRE	0	90	100	100	60	82	100
20B	AC 513655	4.80 FL	.900 LB/AC	PRE							
21	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE	0	80	95	100	80	85	88
22	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE	0	100	98	100	75	82	95
23A	CP 55097	7.50 EC	1.250 LB/AC	PRE	0	100	100	100	68	80	88
23B	ATRAZINE	4.00 L	.900 LB/AC	PRE							
24A	CP 55097	7.50 EC	1.500 LB/AC	PRE	0	100	100	100	68	72	85
24B	ATRAZINE	4.00 L	1.100 LB/AC	PRE							
25A	CP 55097	7.50 EC	1.500 LB/AC	PRE	0	100	98	100	80	88	95
25B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
26A	CP 55097	7.50 EC	1.750 LB/AC	PRE	5	100	100	100	82	85	100
26B	ATRAZINE	4.00 L	1.300 LB/AC	PRE							
27	ICIA 5676	7.00 E	.750 LB/AC	PRE	0	98	95	95	35	80	90
28	ICIA 5676	7.00 E	1.000 LB/AC	PRE	0	100	95	95	25	45	75
29	ICIA 5676	7.00 E	1.500 LB/AC	PRE	0	100	98	100	35	60	80
30	ICIA 5676	7.00 E	2.000 LB/AC	PRE	0	100	100	98	32	70	90
31	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
LSD (05):					1	6	NS	15	18	18	14

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 2  
 VARIETY: PIONEER 3320

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.3 O.M.: 3.3%  
 DATE TREATED: PRE MAY 2



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GRAS	BRLE	CRIN	GRFT	JIWE	COLO	ILMG	TAMG	VELE	
1	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	90	55	0	90	92	82	45	78	95	
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	92	98	0	92	100	100	98	100	95	
2B	ATRAZINE	4.00 L	1.500 LB/AC	PPI										
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	95	90	0	95	100	100	90	98	95	
3B	AC 513655	4.80 FL	.900 LB/AC	PPI										
4	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	90	42	0	90	90	68	18	50	88	
5A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	90	95	0	90	100	100	98	98	98	
5B	ATRAZINE	4.00 L	1.500 LB/AC	PPI										
6A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	90	95	0	90	100	100	92	98	100	
6B	AC 513655	4.80 FL	.900 LB/AC	PPI										
7	METALACHLOR + ATRAZI	6.00 L	2.400 LB/AC	PPI	90	82	0	90	98	100	88	98	88	
8	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC	PPI	95	92	0	95	100	100	95	95	98	
9	LASSO + ATRAZINE	4.00 FL	4.000 LB/AC	PPI	95	95	0	95	100	100	95	98	98	
10A	EPTC + R-25788	6.70 E	4.000 LB/AC	PPI	92	100	0	92	100	100	100	100	100	
10B	ATRAZINE	4.00 L	1.000 LB/AC	PPI										
11A	BUTYLATE + R-25788	6.70 E	4.000 LB/AC	PPI	92	95	0	92	100	100	95	98	100	
11B	ATRAZINE	4.00 L	1.000 LB/AC	PPI										
12	BUTYL + ATRA	6.00 ME	4.300 LB/AC	PPI	78	92	0	78	95	92	95	100	95	
13	BUTYL + ATRA	6.00 ME	5.000 LB/AC	PPI	75	92	0	75	98	98	95	98	100	
14	BUTYL + ATRA	6.00 ME	6.250 LB/AC	PPI	88	98	0	88	98	98	98	100	100	
15	BUTYL + ATRA	6.00 ME	7.800 LB/AC	PPI	90	100	0	90	100	100	100	100	100	
16	BUTYL + ATRA 2	6.00 ME	4.600 LB/AC	PPI	90	98	0	90	100	100	100	98	100	
17	BUTYL + ATRA 2	6.00 ME	5.300 LB/AC	PPI	90	95	0	90	100	100	95	98	100	
18	BUTYL + ATRA 2	6.00 ME	6.600 LB/AC	PPI	90	100	0	90	100	100	100	100	100	
19	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PPI	90	98	0	90	100	100	98	98	98	
20	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PPI	95	92	0	95	100	100	98	95	95	

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----									
					GRAS	BRLE	CRIN	GRFT	JIWE	COLQ	ILMG	TAMG	VELE	
21A	CP 55097	7.50 EC	1.250 LB/AC	PPI	98	85	20	98	100	100	90	95	92	
21B	ATRAZINE	4.00 L	.900 LB/AC	PPI										
22A	CP 55097	7.50 EC	1.500 LB/AC	PPI	100	88	25	100	100	100	85	95	100	
22B	ATRAZINE	4.00 L	1.100 LB/AC	PPI										
23A	CP 55097	7.50 EC	1.500 LB/AC	PPI	100	95	8	100	100	100	95	100	98	
23B	ATRAZINE	4.00 L	1.500 LB/AC	PPI										
24A	CP 55097	7.50 EC	1.750 LB/AC	PPI	100	100	22	100	100	100	100	100	100	
24B	ATRAZINE	4.00 L	1.300 LB/AC	PPI										
25	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100	
LSD (05):					9	9	6	9	6	8	10	11	8	

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 2  
 VARIETY: PIONEER 3320

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.3 O.M.: 3.3%  
 DATE TREATED: PPI MAY 2

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	GRET	JIWE	COLQ	ILMG	TAMG	VELE
1	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	82	95	72	42	72	92
2A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	85	100	100	90	98	95
2B	ATRAZINE	4.00 L	1.500 LB/AC PPI								
3A	ALACHLOR	4.00 MT	2.500 LB/AC PPI		0	82	100	100	82	92	98
3B	AC 513655	4.80 FL	.900 LB/AC PPI								
4	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	88	95	52	15	48	88
5A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	82	100	100	88	95	98
5B	ATRAZINE	4.00 L	1.500 LB/AC PPI								
6A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	85	100	98	85	92	100
6B	AC 513655	4.80 FL	.900 LB/AC PPI								
7	METALACHLOR + ATRAZI	6.00 L	2.400 LB/AC PPI		0	75	98	98	72	88	85
8	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC PPI		0	90	100	100	80	90	98
9	LASSO + ATRAZINE	4.00 FL	4.000 LB/AC PPI		0	80	100	100	85	92	98
10A	EPTC + R-25788	6.70 E	4.000 LB/AC PPI		0	78	98	100	90	95	100
10B	ATRAZINE	4.00 L	1.000 LB/AC PPI								
11A	BUTYLATE + R-25788	6.70 E	4.000 LB/AC PPI		0	78	100	100	82	85	100
11B	ATRAZINE	4.00 L	1.000 LB/AC PPI								
12	BUTYL + ATRA	6.00 ME	4.300 LB/AC PPI		0	50	95	92	82	95	95
13	BUTYL + ATRA	6.00 ME	5.000 LB/AC PPI		0	45	98	95	85	95	100
14	BUTYL + ATRA	6.00 ME	6.250 LB/AC PPI		0	72	100	98	85	95	100
15	BUTYL + ATRA	6.00 ME	7.800 LB/AC PPI		0	80	100	100	88	92	100
16	BUTYL + ATRA 2	6.00 ME	4.600 LB/AC PPI		0	70	100	100	92	90	100
17	BUTYL + ATRA 2	6.00 ME	5.300 LB/AC PPI		0	70	100	100	90	92	100
18	BUTYL + ATRA 2	6.00 ME	6.600 LB/AC PPI		0	65	100	100	92	95	100
19	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC PPI		0	72	98	98	80	92	98
20	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC PPI		0	90	100	100	82	85	95

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GRFT	JIWE	COLQ	ILMG	TAMG	VELE
21A	CP 55097	7.50 EC	1.250 LB/AC	PPI	15	92	100	98	75	88	88
21B	ATRAZINE	4.00 L	.900 LB/AC	PPI							
22A	CP 55097	7.50 EC	1.500 LB/AC	PPI	15	95	100	100	65	88	100
22B	ATRAZINE	4.00 L	1.100 LB/AC	PPI							
23A	CP 55097	7.50 EC	1.500 LB/AC	PPI	5	98	100	100	78	90	95
23B	ATRAZINE	4.00 L	1.500 LB/AC	PPI							
24A	CP 55097	7.50 EC	1.750 LB/AC	PPI	20	100	100	100	82	98	100
24B	ATRAZINE	4.00 L	1.300 LB/AC	PPI							
25	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
LSD (05):					6	16	4	9	17	14	10

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 2

DATE TREATED: PPI MAY 2

VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED -----					
					GRAS	BRLE	CRIN	GIFT	COLQ	VELE	CLMW	CRIN	GIFT	COLQ	VELE	CLMW
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	92	10	95	100	98	98	5	90	100	92	95
1B	DICAMBA	4.00 S	.250 LB/AC	MP												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	95	2	92	100	98	95	0	88	100	92	95
2B	DICAMBA	4.00 S	.500 LB/AC	EP												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	90	10	95	100	100	90	10	92	100	100	82
3B	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	92	8	98	100	95	95	8	95	100	95	92
4B	PYRIDATE + ATRAZINE	2.80 EC	1.050 LB/AC	4LF												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	82	8	100	100	75	92	8	95	95	75	88
5B	PYRIDATE + ATRAZINE	2.80 EC	1.050 LB/AC	6LF												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	80	5	95	100	80	100	5	95	95	58	90
6B	PYRIDATE	3.75 EC	.600 LB/AC	6LF												
6C	ATRAZINE	4.00 L	.600 LB/AC	6LF												
7	ATRAZINE	4.00 L	.750 LB/AC	PRE	65	85	2	65	98	88	92	5	58	88	75	88
8A	ATRAZINE	4.00 L	2.000 LB/AC	2LF	58	92	5	58	95	100	92	5	50	95	100	92
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF												
9A	ATRAZINE	4.00 L	.750 LB/AC	PRE	88	95	10	88	100	95	100	10	68	100	92	92
9B	ATRAZINE	4.00 L	.750 LB/AC	MP												
9C	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
10A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	90	92	5	90	100	100	92	5	80	100	90	90
10B	TRIDIPHANE	4.00 E	.500 LB/AC	MP												
10C	ATRAZINE	4.00 L	1.000 LB/AC	MP												
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
11	CYANAZINE	80.00 WP	.800 LB/AC	MP	58	48	10	58	48	82	88	12	58	42	78	88
12A	TRIDIPHANE	4.00 E	.500 LB/AC	2LF	90	98	5	90	100	100	98	5	88	100	98	92
12B	ATRAZINE	4.00 L	1.500 LB/AC	2LF												
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2LF												
13A	TRIDIPHANE	4.00 E	.500 LB/AC	MP	70	90	8	70	95	98	90	8	68	95	98	88
13B	ATRAZINE	4.00 L	1.500 LB/AC	MP												
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP												
14A	TRIDIPHANE	4.00 E	.500 LB/AC	5LF	42	88	12	58	98	90	95	12	42	98	85	95
14B	ATRAZINE	4.00 L	2.000 LB/AC	5LF												
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED -----					
					GRAS	BRLE	CRIN	GIFT	COLO	VELE	CLMW	CRIN	GIFT	COLO	VELE	CLMW
15A	TRIDIPHANE	4.00 E	.500 LB/AC	5LF	45	98	15	45	100	100	98	15	40	98	98	92
15B	ATRAZINE	4.00 L	1.500 LB/AC	5LF												
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												
15D	ATRAZINE	4.00 L	1.000 LB/AC	+7D												
15E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D												
16A	TRIDIPHANE	4.00 E	.500 LB/AC	2LF	88	98	5	88	100	98	98	5	82	98	98	98
16B	CYANAZINE	80.00 WP	1.600 LB/AC	2LF												
17A	TRIDIPHANE	4.00 E	.500 LB/AC	2LF	100	88	5	100	100	100	85	5	92	100	98	82
17B	CYANAZINE	80.00 WP	.800 LB/AC	2LF												
17C	ATRAZINE	4.00 L	.800 LB/AC	2LF												
18A	PYRIDATE	3.75 EC	.900 LB/AC	EP	75	98	10	75	100	100	98	12	60	98	100	98
18B	ATRAZINE	4.00 L	1.500 LB/AC	EP												
19A	PYRIDATE	3.75 EC	.900 LB/AC	EP	90	92	5	90	100	98	92	5	80	95	95	88
19B	CYANAZINE	80.00 WP	1.500 LB/AC	EP												
20A	DPX M6316	75.00 DF	.004 LB/AC	5LF	35	85	15	35	90	85	92	15	22	90	85	92
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												
21A	DPX M6316	75.00 DF	.008 LB/AC	5LF	48	88	15	48	92	95	90	15	38	88	90	90
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF												
22A	AC 513655	4.80 FL	.900 LB/AC	4LF	40	92	20	45	95	95	92	15	45	90	90	92
22B	PENDIMETHALIN	4.00 E	1.500 LB/AC	4LF												
23	S-63596	.89 L	.045 LB/AC	MP	85	48	20	85	48	55	68	25	78	28	55	65
24	S-63596	.89 L	.067 LB/AC	MP	75	50	22	75	50	62	42	22	72	32	62	42
26	S-63596	.89 L	.089 LB/AC	MP	82	32	20	82	32	58	52	20	82	28	58	62
27A	S-63596	.89 L	.045 LB/AC	MP	55	48	20	55	48	68	65	20	55	32	65	62
27B	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
28A	S-63596	.89 L	.067 LB/AC	MP	78	50	25	78	50	60	68	28	75	40	60	68
28B	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
29A	S-63596	.89 L	.089 LB/AC	MP	80	48	20	80	48	72	82	20	75	35	72	82
29B	X-77 (SURFACTANT)	.50 WA	.050 %	MP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							-----8 WEEKS AFTER APPLIED -----				
					GRAS	BRLE	CRIN	GIFT	COLQ	VELE	CLMW	CRIN	GIFT	COLQ	VELE	CLMW
30A	S-63596	.89 L	.045 LB/AC	MP	70	80	15	60	98	88	98	18	52	95	82	95
30B	ATRAZINE	4.00 L	.750 LB/AC	MP												
31A	S-63596	.89 L	.067 LB/AC	MP	48	80	12	48	100	78	95	12	42	98	70	92
31B	ATRAZINE	4.00 L	.750 LB/AC	MP												
32A	S-63596	.89 L	.089 LB/AC	MP	52	90	8	52	100	92	88	8	45	95	82	85
32B	ATRAZINE	4.00 L	.750 LB/AC	MP												
33A	S-63596	.89 L	.045 LB/AC	MP	45	92	8	45	100	92	95	8	38	98	90	95
33B	ATRAZINE	4.00 L	.750 LB/AC	MP												
33C	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
34A	S-63596	.89 L	.067 LB/AC	MP	45	90	15	45	100	90	95	15	40	98	82	90
34B	ATRAZINE	4.00 L	.750 LB/AC	MP												
34C	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
35A	S-63596	.89 L	.089 LB/AC	MP	65	88	12	65	100	88	95	12	50	92	78	90
35B	ATRAZINE	4.00 L	.750 LB/AC	MP												
35C	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
36A	S-63596	.89 L	.067 LB/AC	MP	50	85	18	50	88	88	90	18	48	72	85	85
36B	CYANAZINE	80.00 WP	.800 LB/AC	MP												
37A	S-63596	.89 L	.067 LB/AC	MP	58	85	15	58	95	85	92	15	55	92	82	92
37B	CYANAZINE	80.00 WP	.800 LB/AC	MP												
37C	X-77 (SURFACTANT)	.50 WA	.050 %	MP												
38A	S-63596	.89 L	.089 LB/AC	MP	45	95	12	45	100	95	95	8	45	98	90	88
38B	2,4-D AMINE	4.00 E	.500 LB/AC	MP												
39A	S-63596	.89 L	.089 LB/AC	MP	48	90	10	48	98	100	92	10	28	92	95	88
39B	BROMOXYNIL	4.00 E	.500 LB/AC	MP												
40A	V9360	72.00 DF	.030 LB/AC	5LF	75	65	22	75	65	90	85	22	72	52	85	85
40B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF												
41A	V9360	72.00 DF	.060 LB/AC	5LF	80	68	18	80	68	82	80	18	80	58	75	80
41B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF												
42A	V9360	72.00 DF	.125 LB/AC	5LF	88	72	18	88	72	88	90	18	82	60	85	85
42B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF												
43A	CGA 136872	75.00 WG	.018 LB/AC	5LF	62	52	18	62	52	75	65	18	62	38	72	65
43B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED -----					
					GRAS	BRLE	CRIN	GIFT	COLQ	VELE	CLMW	CRIN	GIFT	COLQ	VELE	CLMW
44A	CGA 136872	75.00 WG	.027 LB/AC	5LF	62	55	18	62	55	65	62	18	62	40	65	62
44B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF												
45	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
			LSD(05):		15	11	8	17	8	15	16	9	16	14	17	17

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.4 O.M.: 4.5%

DATE PLANTED: MAY 2

DATE TREATED: PRE MAY 2

VARIETY: PIONEER 3320

EP MAY 17  
 2LF MAY 17  
 MP MAY 25  
 4LF MAY 25  
 5LF MAY 31  
 6LF JUNE 8  
 +7D JUNE 8



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8008 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	COCB	HONE	ILMG	VELE
1	EF 689	1.67 E	.030 LB/AC	4LF	100	70	0	100	95	92	88	35
2	EF 689	1.67 E	.030 LB/AC	8LF	92	55	25	92	95	95	95	30
3	EF 689	1.67 E	.063 LB/AC	4LF	100	90	0	100	95	95	90	88
4	EF 689	1.67 E	.063 LB/AC	8LF	100	90	0	100	95	95	98	92
5	EF 689	1.67 E	.125 LB/AC	4LF	100	90	0	100	100	95	88	95
6	EF 689	1.67 E	.125 LB/AC	8LF	100	92	0	100	100	95	98	95
7	EF 689	1.67 E	.250 LB/AC	4LF	100	90	0	100	100	90	95	100
8	EF 689	1.67 E	.250 LB/AC	8LF	100	95	0	100	100	95	100	100
9	DICAMBA	4.00 S	.250 LB/AC	4LF	100	92	0	100	100	95	92	100
10	DICAMBA	4.00 S	.250 LB/AC	8LF	100	85	0	100	100	98	92	85
11	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
12	CHECK (CULTIVATED)	.00 CK	.000									
LSD(05) :					NS	18	NS	NS	NS	6	6	24

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 3  
 VARIETY: PIONEER 3320

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.4 O.M.: 3.5%  
 DATE TREATED: 4LF MAY 25  
 8LF JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8008 CORN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	COCB	HONE	ILMG	VELE
1	EF 689	1.67 E	.030 LB/AC	4LF	0	100	95	92	88	30
2	EF 689	1.67 E	.030 LB/AC	8LF	0	100	88	95	92	40
3	EF 689	1.67 E	.063 LB/AC	4LF	0	100	95	95	90	85
4	EF 689	1.67 E	.063 LB/AC	8LF	0	100	95	95	92	92
5	EF 689	1.67 E	.125 LB/AC	4LF	0	100	100	95	88	95
6	EF 689	1.67 E	.125 LB/AC	8LF	0	100	98	92	92	95
7	EF 689	1.67 E	.250 LB/AC	4LF	0	100	100	88	95	100
8	EF 689	1.67 E	.250 LB/AC	8LF	0	100	100	95	98	100
9	DICAMBA	4.00 S	.250 LB/AC	4LF	0	100	100	92	92	98
10	DICAMBA	4.00 S	.250 LB/AC	8LF	0	100	100	98	92	80
11	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
12	CHECK (CULTIVATED)	.00 CK	.000							
LSD (05):					0	0	NS	7	7	24

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 3  
 VARIETY: PIONEER 3320

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.4 O.M.: 3.5%  
 DATE TREATED: 4LF MAY 25  
 8LF JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8009 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS -----				---8 WEEK	
					GRAS	BRLE	GIFT	COLQ	GIFT	COLQ
1	V9360	72.00 DF	.008 LB/AC	5LF	95	22	95	22	90	18
2	V9360	72.00 DF	.016 LB/AC	5LF	90	0	90	0	90	0
3	V9360	72.00 DF	.030 LB/AC	5LF	92	0	92	0	90	0
4	V9360	72.00 DF	.060 LB/AC	5LF	92	0	92	0	90	0
5A	V9360	72.00 DF	.008 LB/AC	5LF	100	5	100	5	95	2
5B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
6A	V9360	72.00 DF	.016 LB/AC	5LF	95	50	95	50	90	38
6B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
7A	V9360	72.00 DF	.030 LB/AC	3LF	92	62	92	62	88	48
7B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						
8A	V9360	72.00 DF	.030 LB/AC	5LF	92	52	92	60	82	52
8B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
9A	V9360	72.00 DF	.030 LB/AC	7LF	95	60	95	55	90	50
9B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
10A	V9360	72.00 DF	.060 LB/AC	3LF	92	62	92	70	85	60
10B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						
11A	V9360	72.00 DF	.060 LB/AC	5LF	95	70	95	70	88	60
11B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
12A	V9360	72.00 DF	.060 LB/AC	7LF	92	52	92	52	92	45
12B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
13A	V9360	72.00 DF	.090 LB/AC	3LF	100	78	100	82	90	75
13B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						
14A	V9360	72.00 DF	.090 LB/AC	5LF	92	72	92	72	90	62
14B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
15A	V9360	72.00 DF	.090 LB/AC	7LF	88	70	88	70	82	55
15B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
16A	V9360	72.00 DF	.125 LB/AC	3LF	92	60	92	60	88	42
16B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						
17A	V9360	72.00 DF	.125 LB/AC	5LF	95	70	95	70	88	62
17B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8009 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS -----				---8 WEEK	
					GRAS	BRLE	GIFT	COLQ	GIFT	COLQ
18A	V9360	72.00 DF	.125 LB/AC	7LF	90	62	90	68	85	55
18B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
19A	V9360	72.00 DF	.008 LB/AC	5LF	92	52	92	52	88	45
19B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
19C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
20A	V9360	72.00 DF	.016 LB/AC	5LF	100	52	100	52	92	45
20B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
20C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
21A	V9360	72.00 DF	.030 LB/AC	5LF	100	72	100	72	92	68
21B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
21C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
22A	V9360	72.00 DF	.060 LB/AC	5LF	92	70	92	70	90	58
22B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
22C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
23	CGA 136872	75.00 WG	.018 LB/AC	5LF	95	0	95	0	95	0
24	CGA 136872	75.00 WG	.027 LB/AC	5LF	82	58	82	58	75	50
25	CGA 136872	75.00 WG	.036 LB/AC	5LF	80	30	80	30	75	28
26A	CGA 136872	75.00 WG	.018 LB/AC	3LF	88	38	88	50	85	45
26B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						
27A	CGA 136872	75.00 WG	.018 LB/AC	5LF	88	15	88	15	88	5
27B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
28A	CGA 136872	75.00 WG	.018 LB/AC	7LF	90	0	90	0	90	0
28B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
29A	CGA 136872	75.00 WG	.027 LB/AC	3LF	92	30	92	30	90	15
29B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						
30A	CGA 136872	75.00 WG	.027 LB/AC	5LF	90	18	90	18	85	10
30B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
31A	CGA 136872	75.00 WG	.027 LB/AC	7LF	85	0	85	0	80	0
31B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
32A	CGA 136872	75.00 WG	.036 LB/AC	3LF	90	22	90	22	85	15
32B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8009 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS -----				---8 WEEK	
					GRAS	BRLE	GIFT	COLQ	GIFT	COLQ
33A	CGA 136872	75.00 WG	.036 LB/AC	5LF	82	32	82	32	78	22
33B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
34A	CGA 136872	75.00 WG	.036 LB/AC	7LF	92	5	92	5	88	0
34B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF						
35A	CGA 136872	75.00 WG	.018 LB/AC	5LF	92	0	92	0	90	0
35B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
35C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
36A	CGA 136872	75.00 WG	.027 LB/AC	5LF	80	40	80	40	80	22
36B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
36C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
37A	CGA 136872	75.00 WG	.036 LB/AC	5LF	88	5	88	5	88	2
37B	X-77 (SURFACTANT)	.50 WA	.250 %	5LF						
37C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
38	S-63596	.89 L	.067 LB/AC	5LF	95	0	95	0	92	0
39	S-63596	.89 L	.089 LB/AC	5LF	92	28	92	28	88	25
40A	S-63596	.89 L	.067 LB/AC	3LF	88	0	88	0	82	0
40B	X-77 (SURFACTANT)	.50 WA	.050 %	3LF						
41A	S-63596	.89 L	.067 LB/AC	5LF	95	0	95	0	92	0
41B	X-77 (SURFACTANT)	.50 WA	.050 %	5LF						
42A	S-63596	.89 L	.067 LB/AC	7LF	90	30	90	30	90	28
42B	X-77 (SURFACTANT)	.50 WA	.050 %	7LF						
43A	S-63596	.89 L	.089 LB/AC	3LF	90	0	90	0	88	0
43B	X-77 (SURFACTANT)	.50 WA	.050 %	3LF						
44A	S-63596	.89 L	.089 LB/AC	5LF	100	22	100	22	92	12
44B	X-77 (SURFACTANT)	.50 WA	.050 %	5LF						
45A	S-63596	.89 L	.089 LB/AC	7LF	82	5	82	5	80	2
45B	X-77 (SURFACTANT)	.50 WA	.050 %	7LF						
46A	S-63596	.89 L	.067 LB/AC	5LF	100	0	100	0	98	0
46B	X-77 (SURFACTANT)	.50 WA	.050 %	5LF						
46C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF						
47A	S-63596	.89 L	.089 LB/AC	5LF	95	0	95	0	92	0
47B	X-77 (SURFACTANT)	.50 WA	.050 %	5LF						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8009 CORN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS -----				---8 WEEK	
					GRAS	BRLE	GIFT	COLQ	GIFT	COLQ
48	CHECK (CULTIVATED)	.00 CK	.000		100	100	100	100	100	100
				LSD(05):	9	26	9	26	10	25

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.5%

DATE PLANTED: MAY 3

DATE TREATED: 3LF MAY 25

VARIETY: PIONEER 3320

5LF MAY 31

7LF JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8010 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-----8 WEEKS-----			
					GRAS	BRLE	GIFT	COLQ	TAMG	VELE	GIFT	COLQ	TAMG	VELE
1A	V9360	72.00 DF	.008 LB/AC	5LF	90	18	90	0	68	65	90	0	68	65
1B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
2A	V9360	72.00 DF	.016 LB/AC	5LF	90	38	90	0	92	90	88	0	92	90
2B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
3A	V9360	72.00 DF	.030 LB/AC	5LF	88	38	88	0	88	90	88	0	88	90
3B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
4A	V9360	72.00 DF	.060 LB/AC	5LF	92	42	92	0	92	92	92	0	92	92
4B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
5A	V9360	72.00 DF	.008 LB/AC	5LF	88	48	88	28	90	80	85	25	90	80
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
6A	V9360	72.00 DF	.016 LB/AC	5LF	92	50	92	52	80	60	88	38	80	55
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
7A	V9360	72.00 DF	.030 LB/AC	5LF	90	70	90	70	95	88	90	62	95	85
7B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
8A	V9360	72.00 DF	.008 LB/AC	5LF	90	40	90	28	95	88	90	12	95	88
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
8C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
9A	V9360	72.00 DF	.016 LB/AC	5LF	90	48	90	5	90	90	90	0	90	90
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
9C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
10A	V9360	72.00 DF	.030 LB/AC	5LF	92	52	95	32	92	92	92	18	92	92
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
10C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
11A	V9360	72.00 DF	.060 LB/AC	5LF	100	28	100	0	72	68	98	0	72	68
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
11C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
12A	V9360	72.00 DF	.030 LB/AC	5LF	88	70	88	70	100	95	78	70	100	95
12B	DICAMBA	4.00 S	.250 LB/AC	5LF										
13A	V9360	72.00 DF	.030 LB/AC	5LF	78	90	78	90	95	90	68	90	95	90
13B	2,4-D AMINE	4.00 E	.500 LB/AC	5LF										
14A	V9360	72.00 DF	.030 LB/AC	5LF	85	90	85	92	95	100	75	90	95	98
14B	DICAMBA	4.00 S	.250 LB/AC	5LF										
14C	2,4-D AMINE	4.00 E	.250 LB/AC	5LF										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8010 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED				-----8 WEEKS -----					
					GRAS	BRLE	GIFT	COLQ	TAMG	VELE	GIFT	COLQ	TAMG	VELE
15A	V9360	72.00 DF	.030 LB/AC	5LF	88	90	88	92	90	92	80	92	85	90
15B	BROMOXYNIL 2	2.00 E	.500 LB/AC	5LF										
16A	V9360	72.00 DF	.030 LB/AC	5LF	90	80	90	100	90	72	80	100	90	70
16B	ATRAZINE	4.00 L	1.500 LB/AC	5LF										
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
17A	V9360	72.00 DF	.030 LB/AC	5LF	88	88	88	90	88	80	78	90	88	75
17B	SD 15418	90.00 DF	1.500 LB/AC	5LF										
17C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF										
18A	CGA 136872	75.00 WG	.018 LB/AC	5LF	80	32	80	0	62	65	80	0	62	65
18B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
19A	CGA 136872	75.00 WG	.027 LB/AC	5LF	80	40	80	8	88	90	80	2	88	90
19B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
20A	CGA 136872	75.00 WG	.036 LB/AC	5LF	80	30	80	0	88	88	80	0	88	88
20B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
21A	CGA 136872	75.00 WG	.018 LB/AC	5LF	80	42	80	28	88	60	80	22	88	60
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
22A	CGA 136872	75.00 WG	.027 LB/AC	5LF	72	32	72	0	92	95	72	0	92	95
22B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
23A	CGA 136872	75.00 WG	.036 LB/AC	5LF	80	48	80	32	88	95	80	18	88	95
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
24A	CGA 136872	75.00 WG	.018 LB/AC	5LF	82	40	82	8	88	95	82	0	88	95
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
24C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
25A	CGA 136872	75.00 WG	.027 LB/AC	5LF	90	50	90	22	88	95	90	12	88	95
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
25C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
26A	CGA 136872	75.00 WG	.036 LB/AC	5LF	80	38	80	8	88	100	80	0	88	98
26B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
26C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
27A	CGA 136872	75.00 WG	.027 LB/AC	5LF	80	70	80	70	100	95	70	70	100	95
27B	DICAMBA	4.00 S	.250 LB/AC	5LF										
28A	CGA 136872	75.00 WG	.027 LB/AC	5LF	62	90	62	92	95	95	55	92	95	95
28B	2,4-D AMINE	4.00 E	.500 LB/AC	5LF										



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8010 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----					-----8 WEEKS -----				
					GRAS	BRLE	GIFT	COLO	TAMG	VELE	GIFT	COLO	TAMG	VELE
29A	CGA 136872	75.00 WG	.027 LB/AC	5LF	72	90	72	90	100	100	65	90	100	100
29B	DICAMBA	4.00 S	.250 LB/AC	5LF										
29C	2,4-D AMINE	4.00 E	.250 LB/AC	5LF										
30A	CGA 136872	75.00 WG	.027 LB/AC	5LF	68	88	68	95	82	100	58	92	82	98
30B	BROMOXYNIL 2	2.00 E	.500 LB/AC	5LF										
31A	CGA 136872	75.00 WG	.027 LB/AC	5LF	78	90	78	100	90	90	70	100	88	85
31B	ATRAZINE	4.00 L	1.500 LB/AC	5LF										
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
32A	CGA 136872	75.00 WG	.027 LB/AC	5LF	72	72	72	88	80	78	68	82	80	72
32B	SD 15418	90.00 DF	1.500 LB/AC	5LF										
32C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF										
33A	S-63596	.89 L	.067 LB/AC	5LF	92	42	92	0	88	58	90	0	88	58
33B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
34A	S-63596	.89 L	.089 LB/AC	5LF	92	42	92	10	82	20	92	10	82	20
34B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
35A	S-63596	.89 L	.067 LB/AC	5LF	100	32	98	8	85	52	95	8	85	48
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
36A	S-63596	.89 L	.089 LB/AC	5LF	100	18	100	0	58	52	98	0	58	50
36B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
37A	S-63596	.89 L	.067 LB/AC	5LF	100	30	100	0	90	82	98	0	90	82
37B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
37C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
38A	S-63596	.89 L	.089 LB/AC	5LF	100	38	100	0	88	85	98	0	88	80
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
38C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF										
39A	S-63596	.89 L	.067 LB/AC	5LF	80	90	80	90	92	92	72	90	92	92
39B	DICAMBA	4.00 S	.250 LB/AC	5LF										
40A	S-63596	.89 L	.067 LB/AC	5LF	80	92	80	100	100	95	70	100	100	95
40B	2,4-D AMINE	4.00 E	.500 LB/AC	5LF										
41A	S-63596	.89 L	.067 LB/AC	5LF	80	95	82	100	100	100	78	100	100	98
41B	DICAMBA	4.00 S	.250 LB/AC	5LF										
41C	2,4-D AMINE	4.00 E	.250 LB/AC	5LF										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8010 CORN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----					-----8 WEEKS -----				
					GRAS	BRLE	GIFT	COLQ	TAMG	VELE	GIFT	COLQ	TAMG	VELE
42A	S-63596	.89 L	.067 LB/AC	5LF	78	80	78	90	80	100	70	90	80	100
42B	BROMOXYNIL 2	2.00 E	.500 LB/AC	5LF										
43A	S-63596	.89 L	.067 LB/AC	5LF	90	62	90	100	82	42	82	100	80	35
43B	ATRAZINE	4.00 L	1.500 LB/AC	5LF										
43C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF										
44A	S-63596	.89 L	.067 LB/AC	5LF	88	62	88	80	82	20	85	75	82	18
44B	CYANAZINE	90.00 DF	1.500 LB/AC	5LF										
44C	X-77 (SURFACTANT)	.50 WA	.050 %	5LF										
LSD(05):					7	13	7	13	17	26	10	10	17	25

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%

DATE PLANTED: MAY 3 DATE TREATED: 5LF MAY 31

VARIETY: PIONEER 3320

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8006 CORN POSTEMERGENCE V

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK JOGR	8 WK JOGR
1A	V9360	72.00 DF	.060 LB/AC	3LF	60	10
1B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF		
2A	V9360	72.00 DF	.060 LB/AC	7LF	82	65
2B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF		
3A	V9360	72.00 DF	.090 LB/AC	3LF	62	12
3B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF		
4A	V9360	72.00 DF	.090 LB/AC	7LF	85	70
4B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF		
5A	CGA 136872	75.00 WG	.027 LB/AC	3LF	62	10
5B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF		
6A	CGA 136872	75.00 WG	.027 LB/AC	7LF	65	18
6B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF		
7A	CGA 136872	75.00 WG	.036 LB/AC	3LF	62	12
7B	X-77 (SURFACTANT)	.50 WA	.250 %	3LF		
8A	CGA 136872	75.00 WG	.036 LB/AC	7LF	65	18
8B	X-77 (SURFACTANT)	.50 WA	.250 %	7LF		
9A	S-63596	.89 L	.067 LB/AC	3LF	50	2
9B	X-77 (SURFACTANT)	.50 WA	.050 %	3LF		
10A	S-63596	.89 L	.067 LB/AC	7LF	70	18
10B	X-77 (SURFACTANT)	.50 WA	.050 %	7LF		
11A	S-63596	.89 L	.089 LB/AC	3LF	55	2
11B	X-77 (SURFACTANT)	.50 WA	.050 %	3LF		
12A	S-63596	.89 L	.089 LB/AC	7LF	70	12
12B	X-77 (SURFACTANT)	.50 WA	.050 %	7LF		

LSD (05) : 11 11

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 3.4%

DATE PLANTED: MAY 3 DATE TREATED: 3LF MAY 25

VARIETY: PIONEER 3165 7LF MAY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						
					GRAS	BRLE	LACG	GIFT	HONE	CLMW	VELE
1A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	68	65	72	65	85	80	75
1B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
2A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	50	65	62	45	90	82	75
2B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
3A	GLYPHOSATE	4.00 E	.750 LB/AC	PRE	52	70	55	55	90	70	80
3B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
4A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	60	78	75	62	95	82	85
4B	ATRAZINE	4.00 L	2.000 LB/AC	PRE							
4C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
5A	GLYPHOSATE	4.00 E	.750 LB/AC	PRE	72	65	60	72	88	62	92
5B	ATRAZINE	4.00 L	2.000 LB/AC	PRE							
5C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
6A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	68	72	80	68	88	65	65
6B	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC	PRE							
6C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
7A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	85	78	90	85	85	82	95
7B	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE							
7C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
8A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	72	80	75	75	92	80	88
8B	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE							
8C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
9A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	85	85	92	82	98	75	100
9B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE							
9C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
10A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	80	68	85	80	82	80	80
10B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE							
10C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
11A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	78	75	80	80	88	70	90
11B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE							
11C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
11D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
12A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	80	65	82	80	85	80	70
12B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE							
12C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
12D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						
					GRAS	BRLE	LACG	GIFT	HONE	CLMW	VELE
13A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	85	70	90	85	95	78	78
13B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE							
13C	ATRAZINE	4.00 L	.500 LB/AC	PRE							
13D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
14A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	75	80	80	75	98	85	92
14B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE							
14C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
14D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
15A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	78	80	88	78	98	82	70
15B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE							
15C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
16A	PARAQUAT	1.50 S	.280 LB/AC	PRE	82	70	80	88	95	80	90
16B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE							
16C	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
16D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
17A	PARAQUAT	1.50 S	.380 LB/AC	PRE	80	85	88	78	95	75	95
17B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE							
17C	ATRAZINE	4.00 L	2.000 LB/AC	PRE							
17D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
18A	PARAQUAT	1.50 S	.280 LB/AC	PRE	62	75	88	62	92	78	88
18B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE							
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
18D	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP							
19A	PARAQUAT	1.50 S	.380 LB/AC	PRE	60	72	75	58	92	72	88
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
19C	ATRAZINE	4.00 L	2.000 LB/AC	PRE							
19D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	72	68	80	75	80	68	82
20B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
20C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE							
21A	MON 14482	84.70 DG	1.400 LB/AC	PRE	58	68	50	60	88	72	75
21B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
22A	MON 14482	84.70 DG	2.100 LB/AC	PRE	65	75	75	65	95	80	88
22B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							
					GRAS	BRLE	LACG	GIFT	HONE	CLMW	VELE	
23A	MON 14482	84.70 DG	2.800 LB/AC	PRE	68	72	72	75	92	70	98	
23B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
24A	MON 14482	84.70 DG	1.400 LB/AC	PRE	80	70	80	80	90	70	98	
24B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
24C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
24D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
25A	MON 14482	84.70 DG	1.400 LB/AC	PRE	80	75	80	85	90	75	82	
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
25C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
25D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
26A	MON 14482	84.70 DG	2.100 LB/AC	PRE	80	78	88	80	95	68	80	
26B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
26C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
26D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
27A	MON 14482	84.70 DG	2.100 LB/AC	PRE	88	78	92	90	78	72	100	
27B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
27C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
27D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
28A	MON 14482	84.70 DG	2.800 LB/AC	PRE	85	70	85	85	88	72	72	
28B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE								
28C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
28D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
29A	MON 14482	84.70 DG	2.800 LB/AC	PRE	80	75	82	80	95	65	72	
29B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
29C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE								
29D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
30A	MON 14482	84.70 DG	1.400 LB/AC	PRE	55	62	65	58	88	68	78	
30B	ATRAZINE	4.00 L	.500 LB/AC	PRE								
30C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
31A	MON 14482	84.70 DG	2.100 LB/AC	PRE	52	70	68	50	95	52	100	
31B	ATRAZINE	4.00 L	.500 LB/AC	PRE								
31C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								
32A	MON 14482	84.70 DG	2.100 LB/AC	PRE	68	68	68	78	82	70	85	
32B	ATRAZINE	4.00 L	1.000 LB/AC	PRE								
32C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						
					GRAS	BRLE	LACG	GIFT	HONE	CLMW	VELE
33A	MON 14482	84.70 DG	1.400 LB/AC	PRE	60	75	58	60	88	68	85
33B	ATRAZINE	4.00 L	.500 LB/AC	PRE							
33C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
33D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
34A	MON 14482	84.70 DG	2.100 LB/AC	PRE	68	78	70	70	92	62	92
34B	ATRAZINE	4.00 L	1.000 LB/AC	PRE							
34C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
34D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
35A	MON 14482	84.70 DG	1.400 LB/AC	PRE	65	72	70	68	95	75	88
35B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
35C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
36A	MON 14482	84.70 DG	2.100 LB/AC	PRE	62	62	68	62	98	55	75
36B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
36C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
37A	MON 14482	84.70 DG	2.800 LB/AC	PRE	72	82	68	80	90	80	92
37B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
37C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
38A	MON 14482	84.70 DG	1.400 LB/AC	PRE	58	68	70	60	88	55	92
38B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
38C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
38D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
39A	MON 14482	84.70 DG	2.100 LB/AC	PRE	58	70	62	62	80	55	90
39B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
39C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
39D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
40A	MON 14482	84.70 DG	2.800 LB/AC	PRE	68	80	72	65	90	78	100
40B	CYANAZINE	4.00 L	1.500 LB/AC	PRE							
40C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE							
40D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
41A	MON 14482	84.70 DG	1.400 LB/AC	PRE	58	72	72	62	90	62	90
41B	SIMAZINE	4.00 L	1.000 LB/AC	PRE							
41C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
42A	MON 14482	84.70 DG	2.100 LB/AC	PRE	68	68	75	68	95	80	85
42B	SIMAZINE	4.00 L	1.000 LB/AC	PRE							
42C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						
					GRAS	BRLE	LACG	GIFT	HONE	CLMW	VELE
43A	MON 14482	84.70 DG	2.800 LB/AC	PRE	68	78	60	75	85	72	92
43B	SIMAZINE	4.00 L	1.000 LB/AC	PRE							
43C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							
44A	MON 14482	84.70 DG	2.800 LB/AC	PRE	82	80	82	82	98	72	90
44B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
44C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE							

LSD (05): 20 NS 19 20 NS 24 NS

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 10

DATE TREATED: PRE MAY 10

VARIETY: PIONEER 3320

EP JUNE 10



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	LACG	GIFT	HONE	CLMW	VELE
1A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	0	40	48	70	65	40
1B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
2A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	38	40	78	68	50
2B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
3A	GLYPHOSATE	4.00 E	.750 LB/AC	PRE	0	32	50	78	58	52
3B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
4A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	28	45	80	62	58
4B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
4C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
5A	GLYPHOSATE	4.00 E	.750 LB/AC	PRE	0	30	58	68	52	65
5B	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
5C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
6A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	0	42	48	75	45	42
6B	METALACHLOR + ATRAZI	6.00 L	3.200 LB/AC	PRE						
6C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
7A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	0	48	55	70	65	55
7B	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE						
7C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
8A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	32	48	88	60	50
8B	CYANAZINE + ATRAZINE	4.00 L	3.000 LB/AC	PRE						
8C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
9A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	0	45	50	85	58	70
9B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE						
9C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
10A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	40	52	70	52	48
10B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE						
10C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
11A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	0	38	52	68	55	60
11B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE						
11C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
11D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
12A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	42	60	75	62	42
12B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE						
12C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
12D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	LACG	GIFT	HONE	CLMW	VELE
13A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	50	60	85	55	48
13B	ALACHLOR + ATRAZINE	4.00 L	4.000 LB/AC	PRE						
13C	ATRAZINE	4.00 L	.500 LB/AC	PRE						
13D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
14A	GLYPHOSATE	4.00 E	.380 LB/AC	PRE	0	38	40	88	68	62
14B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
14C	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
14D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
15A	GLYPHOSATE	4.00 E	.560 LB/AC	PRE	0	45	60	85	62	50
15B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
15C	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
15D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
16A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	42	50	82	60	55
16B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
16C	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
16D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
17A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	45	50	82	55	62
17B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
17C	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
17D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
18A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	42	40	82	55	58
18B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE						
18D	DICAMBA + ATRAZINE	3.20 L	1.400 LB/AC	EP						
19A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	50	50	82	55	58
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE						
19C	ATRAZINE	4.00 L	2.000 LB/AC	PRE						
19D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	35	45	72	48	55
20B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
20C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE						
21A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	28	48	75	58	52
21B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
22A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	32	38	85	60	60
22B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	LACG	GIFT	HONE	CLMW	VELE
23A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	32	55	82	45	58
23B	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
24A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	38	52	80	50	60
24B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
24C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
24D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
25A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	42	52	85	50	58
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
25C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
25D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
26A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	45	48	85	50	40
26B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
26C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
26D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
27A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	52	62	65	55	65
27B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
27C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
27D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
28A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	40	60	78	60	48
28B	ALACHLOR	4.00 MT	2.000 LB/AC	PRE						
28C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
28D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
29A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	40	50	80	50	52
29B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE						
29C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
29D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
30A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	28	45	78	50	50
30B	ATRAZINE	4.00 L	.500 LB/AC	PRE						
30C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
31A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	35	35	82	32	68
31B	ATRAZINE	4.00 L	.500 LB/AC	PRE						
31C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
32A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	32	55	68	55	58
32B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
32C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	LACG	GIFT	HONE	CLMW	VELE
33A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	28	45	78	50	58
33B	ATRAZINE	4.00 L	.500 LB/AC	PRE						
33C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
33D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
34A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	35	58	80	50	65
34B	ATRAZINE	4.00 L	1.000 LB/AC	PRE						
34C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
34D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
35A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	32	40	82	55	62
35B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
35C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
36A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	30	50	85	42	52
36B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
36C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
37A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	30	58	80	65	65
37B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
37C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
38A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	38	38	80	35	55
38B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
38C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
38D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
39A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	35	40	72	30	55
39B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
39C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
39D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
40A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	32	48	78	52	65
40B	CYANAZINE	4.00 L	1.500 LB/AC	PRE						
40C	AMMONIUM SULFATE	99.99 WA	2.000 %	PRE						
40D	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
41A	MON 14482	84.70 DG	1.400 LB/AC	PRE	0	40	50	78	48	62
41B	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
41C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
42A	MON 14482	84.70 DG	2.100 LB/AC	PRE	0	35	45	78	58	58
42B	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
42C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	LACG	GIFT	HONE	CLMW	VELE
43A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	20	48	70	55	68
43B	SIMAZINE	4.00 L	1.000 LB/AC	PRE						
43C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
44A	MON 14482	84.70 DG	2.800 LB/AC	PRE	0	40	45	88	48	62
44B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE						
44C	X-77 (SURFACTANT)	.50 WA	.500 %	PRE						
LSD (05):					0	13	NS	NS	NS	NS

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 10

DATE TREATED: PRE MAY 10

VARIETY: PIONEER 3320

EP JUNE 10

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	LACG	GIFT	COLQ	CLMW	ILMG	VELE
1A	PARAQUAT	1.50 S	.380 LB/AC	PRE	50	75	0	75	50	88	72	100	58
1B	ATRAZINE	4.00 L	2.000 LB/AC	PRE									
1C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
2A	PARAQUAT	1.50 S	.380 LB/AC	PRE	50	68	2	62	50	100	65	85	95
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
2C	SIMAZINE	4.00 L	1.000 LB/AC	PRE									
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
3A	PARAQUAT	1.50 S	.380 LB/AC	PRE	68	75	2	72	68	95	68	100	95
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
3C	CYANAZINE	4.00 L	1.000 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
4A	PARAQUAT	1.50 S	.380 LB/AC	PRE	70	78	0	72	68	95	68	75	90
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
4C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5A	PARAQUAT	1.50 S	.280 LB/AC	PRE	42	50	32	52	45	50	78	95	55
5B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5C	V9360	72.00 DF	.030 LB/AC	6LF									
5D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF									
6A	PARAQUAT	1.50 S	.280 LB/AC	PRE	35	60	22	45	35	32	78	75	78
6B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
6C	V9360	72.00 DF	.060 LB/AC	6LF									
6D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF									
7A	PARAQUAT	1.50 S	.280 LB/AC	PRE	40	62	22	45	42	25	82	98	70
7B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
7C	CGA 136872	75.00 WG	.018 LB/AC	6LF									
7D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF									
8A	PARAQUAT	1.50 S	.280 LB/AC	PRE	30	55	32	52	30	50	75	78	98
8B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
8C	CGA 136872	75.00 WG	.027 LB/AC	6LF									
8D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF									
9A	PARAQUAT	1.50 S	.280 LB/AC	PRE	32	55	28	40	35	18	70	75	82
9B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
9C	S-63596	.89 L	.045 LB/AC	6LF									
9D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF									
10A	PARAQUAT	1.50 S	.280 LB/AC	PRE	35	68	40	55	35	45	78	95	88
10B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	LACG	GIFT	COLQ	CLMW	ILMG	VELE
11A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	80	78	8	82	80	95	65	88	90
11B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
11C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
12A	PARAQUAT + METALACHL	2.50 EC	2.500 LB/AC	PRE	72	80	8	78	75	100	68	100	92
12B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
12C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
13A	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	85	75	0	88	85	80	62	95	82
13B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
13C	AC 513655	4.80 FL	.900 LB/AC	PRE									
14A	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	68	80	5	68	75	92	70	80	88
14B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
14C	AC 513655	4.80 FL	.900 LB/AC	PRE									
15A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 LB/AC	PRE	82	72	0	88	82	82	65	90	78
15B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
16	CYANAZINE + ATRAZINE	4.00 L	4.000 LB/AC	PRE	80	82	0	88	80	100	78	95	80
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	80	0	90	85	98	75	88	82
17B	ATRAZINE	4.00 L	1.500 LB/AC	PRE									
17C	BOE 39866	1.67 AS	.750 LB/AC	PRE									
18A	ALACHLOR	4.00 MT	2.500 LB/AC	EPP	70	75	0	82	70	98	72	82	68
18B	CYANAZINE	4.00 L	3.000 LB/AC	EPP									
19A	METOLACHLOR	8.00 E	2.000 LB/AC	EPP	80	80	0	85	80	92	80	98	92
19B	CYANAZINE	4.00 L	3.000 LB/AC	EPP									
20	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	EPP	68	88	0	72	68	100	82	98	88
21A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	EPP	72	78	0	78	72	98	58	88	88
21B	2,4-D ESTER	4.00 E	1.000 LB/AC	EPP									
22A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	75	80	0	88	78	95	60	95	100
22B	PARAQUAT	1.50 S	.280 LB/AC	PRE									
22C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
LSD (05) :					18	12	12	17	19	27	NS	NS	NS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8005 NO-TILL CORN STALKLAND II

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.3 O.M.: 4.7%

DATE PLANTED: MAY 10

DATE TREATED: EPP APRIL 26

VARIETY: PIONEER 3320

PRE MAY 10

6LF JUNE 16



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	LACG	GIFT	COLQ	CLMW	ILMG	VELE
1A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	48	40	75	40	58	38
1B	ATRAZINE	4.00 L	2.000 LB/AC	PRE							
1C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
2A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	40	48	88	40	50	75
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
2C	SIMAZINE	4.00 L	1.000 LB/AC	PRE							
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
3A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	48	55	82	40	62	80
3B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
3C	CYANAZINE	4.00 L	1.000 LB/AC	PRE							
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
4A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	42	50	85	40	45	70
4B	ATRAZINE	4.00 L	1.500 LB/AC	PRE							
4C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE							
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
5A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	32	42	48	42	58	42
5B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
5C	V9360	72.00 DF	.030 LB/AC	6LF							
5D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF							
6A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	30	35	20	48	45	65
6B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
6C	V9360	72.00 DF	.060 LB/AC	6LF							
6D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF							
7A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	30	35	15	50	65	50
7B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
7C	CGA 136872	75.00 WG	.018 LB/AC	6LF							
7D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF							
8A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	28	30	38	40	50	78
8B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
8C	CGA 136872	75.00 WG	.027 LB/AC	6LF							
8D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF							
9A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	25	25	10	38	48	68
9B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							
9C	S-63596	.89 L	.045 LB/AC	6LF							
9D	X-77 (SURFACTANT)	.50 WA	.250 %	6LF							
10A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	35	28	32	45	58	58
10B	X-77 (SURFACTANT)	.50 WA	.250 %	PRE							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8005 NO-TILL CORN STALKLAND II

TRT NO.	HERBICIDE TREATMENT	FORMULA		RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
		EC	EA			CRIN	LACG	GIFT	COLQ	CLMW	ILMG	VELE
11A	PARAQUAT + METALACHL	2.50	EC	1.880	LB/AC PRE	0	48	65	85	40	60	70
11B	ATRAZINE	4.00	L	1.500	LB/AC PRE							
11C	X-77 (SURFACTANT)	.50	WA	.250	% PRE							
12A	PARAQUAT + METALACHL	2.50	EC	2.500	LB/AC PRE	0	45	60	82	35	58	70
12B	ATRAZINE	4.00	L	1.500	LB/AC PRE							
12C	X-77 (SURFACTANT)	.50	WA	.250	% PRE							
13A	GLYPHOSATE	4.00	E	1.500	LB/AC PRE	0	60	70	68	32	55	65
13B	ALACHLOR	4.00	MT	2.500	LB/AC PRE							
13C	AC 513655	4.80	FL	.900	LB/AC PRE							
14A	GLYPHOSATE	4.00	E	1.500	LB/AC PRE	0	40	65	78	40	48	75
14B	METOLACHLOR	8.00	E	2.000	LB/AC PRE							
14C	AC 513655	4.80	FL	.900	LB/AC PRE							
15A	ALACHLOR + GLYPHOSAT	4.00	E	4.000	LB/AC PRE	0	52	62	70	35	52	62
15B	ATRAZINE	4.00	L	1.500	LB/AC PRE							
16	CYANAZINE + ATRAZINE	4.00	L	4.000	LB/AC PRE	0	52	68	88	42	55	55
17A	ALACHLOR	4.00	MT	2.500	LB/AC PRE	0	60	68	88	48	52	68
17B	ATRAZINE	4.00	L	1.500	LB/AC PRE							
17C	HOE 39866	1.67	AS	.750	LB/AC PRE							
18A	ALACHLOR	4.00	MT	2.500	LB/AC EPP	0	52	60	88	48	45	52
18B	CYANAZINE	4.00	L	3.000	LB/AC EPP							
19A	METOLACHLOR	8.00	E	2.000	LB/AC EPP	0	62	62	82	50	62	70
19B	CYANAZINE	4.00	L	3.000	LB/AC EPP							
20	METALACHLOR + ATRAZI	6.00	L	3.600	LB/AC EPP	0	45	55	85	48	58	80
21A	METALACHLOR + ATRAZI	6.00	L	3.600	LB/AC EPP	0	45	65	88	32	60	60
21B	2,4-D ESTER	4.00	E	1.000	LB/AC EPP							
22A	METALACHLOR + ATRAZI	6.00	L	3.600	LB/AC PRE	0	50	62	78	35	60	78
22B	PARAQUAT	1.50	S	.280	LB/AC PRE							
22C	X-77 (SURFACTANT)	.50	WA	.250	% PRE							

LSD (05) : 0 15 17 26 NS NS NS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8005 NO-TILL CORN STALKLAND II

LOCATION:	SPINDLETOP FARM			SOIL TYPE:	MAURY SILT LOAM	
FERTILIZATION (LB/AC):	250 N,	60 P,	60 K	PH:	6.3	O.M.: 4.7%
DATE PLANTED:	MAY 10			DATE TREATED:	EPP APRIL 26	
VARIETY:	PIONEER 3320				PRE	MAY 10
					6LF	JUNE 16

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK			-----8 WEEK		
					CRIN	SHCA	VELE	CRIN	SHCA	VELE
1A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	0	90	55	0	82	48
1B	ATRAZINE	4.00 L	1.500 LB/AC	PPI						
2A	EPTC PKG MIX	6.00 EC	3.000 LB/AC	PPI	0	85	92	0	75	90
2B	TRIDIPHANE	4.00 E	.500 LB/AC	EP						
2C	ATRAZINE	4.00 L	1.500 LB/AC	EP						
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
3A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	0	88	92	0	85	90
3B	TRIDIPHANE	4.00 E	.500 LB/AC	EP						
3C	ATRAZINE	4.00 L	1.500 LB/AC	EP						
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
4A	EPTC PKG MIX	6.00 EC	3.000 LB/AC	PPI	10	88	88	10	78	85
4B	TRIDIPHANE	4.00 E	.500 LB/AC	EP						
4C	CYANAZINE	80.00 WP	1.600 LB/AC	EP						
5A	EPTC PKG MIX	6.00 EC	4.000 LB/AC	PPI	10	90	90	10	82	88
5B	TRIDIPHANE	4.00 E	.500 LB/AC	EP						
5C	CYANAZINE	80.00 WP	1.600 LB/AC	EP						
6A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	0	82	90	0	60	88
6B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
6C	ATRAZINE	4.00 L	2.000 LB/AC	EP						
6D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
7A	CYANAZINE	4.00 L	2.000 LB/AC	PRE	10	62	90	10	28	90
7B	TRIDIPHANE	4.00 E	.750 LB/AC	EP						
7C	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
8A	TRIDIPHANE	4.00 E	.750 LB/AC	SPK	0	78	92	0	60	92
8B	ATRAZINE	4.00 L	2.000 LB/AC	SPK						
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	SPK						
9A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	0	75	85	0	52	78
9B	ATRAZINE	4.00 L	2.000 LB/AC	EP						
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
10A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	0	80	90	0	65	88
10B	ATRAZINE	4.00 L	1.500 LB/AC	EP						
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
10D	ATRAZINE	4.00 L	1.000 LB/AC	+7D						
10E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D						
11A	TRIDIPHANE	4.00 E	.750 LB/AC	SPK	2	80	88	2	65	82
11B	CYANAZINE	80.00 WP	2.000 LB/AC	SPK						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK -----			-----8 WEEK -----		
					CRIN	SHCA	VELE	CRIN	SHCA	VELE
12A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	8	70	90	10	38	90
12B	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
13A	TRIDIPHANE	4.00 E	.750 LB/AC	EP	10	72	88	10	38	88
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	75	88	10	42	82
14B	CYANAZINE	80.00 WP	2.000 LB/AC	EP						
14C	ALACHLOR	4.00 MT	2.000 LB/AC	EP						
15A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	0	92	85	0	82	78
15B	CGA 136872	75.00 WG	.013 LB/AC	6LF						
15C	X-77 (SURFACTANT)	.50 WA	.250 %	6LF						
16A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	0	88	90	0	78	88
16B	CGA 136872	75.00 WG	.018 LB/AC	6LF						
16C	X-77 (SURFACTANT)	.50 WA	.250 %	6LF						
17A	METALACHLOR + ATRAZI	6.00 L	3.600 LB/AC	PRE	0	90	80	0	82	70
17B	CGA 136872	75.00 WG	.027 LB/AC	6LF						
17C	X-77 (SURFACTANT)	.50 WA	.250 %	6LF						
18A	ATRAZINE	4.00 L	1.500 LB/AC	PPI	0	98	88	0	92	60
18B	V9360	72.00 DF	.030 LB/AC	6LF						
18C	X-77 (SURFACTANT)	.50 WA	.250 %	6LF						
19A	ATRAZINE	4.00 L	1.500 LB/AC	PPI	0	100	90	0	100	80
19B	V9360	72.00 DF	.060 LB/AC	6LF						
19C	X-77 (SURFACTANT)	.50 WA	.250 %	6LF						
20A	ATRAZINE	4.00 L	1.500 LB/AC	PPI	0	98	90	0	92	65
20B	V9360	72.00 DF	.125 LB/AC	6LF						
20C	X-77 (SURFACTANT)	.50 WA	.250 %	6LF						
21A	ATRAZINE	4.00 L	1.500 LB/AC	PPI	0	70	60	0	52	52
21B	S-63596	.89 L	.045 LB/AC	6LF						
21C	X-77 (SURFACTANT)	.50 WA	.050 %	6LF						
22A	ATRAZINE	4.00 L	1.500 LB/AC	PPI	0	65	58	0	42	35
22B	S-63596	.89 L	.067 LB/AC	6LF						
22C	X-77 (SURFACTANT)	.50 WA	.050 %	6LF						
23A	ATRAZINE	4.00 L	1.500 LB/AC	PPI	0	80	60	0	65	42
23B	S-63596	.89 L	.089 LB/AC	6LF						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK -----			-----8 WEEK -----		
					CRIN	SHCA	VELE	CRIN	SHCA	VELE
24	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	0	100	100

LSD(05): 2 12 18 1 15 20

LOCATION: SOUTH FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 250 N, 60 P, 60 K PH: 6.5 O.M.: 3.0%

DATE PLANTED: MAY 6

DATE TREATED: PPI MAY 6

VARIETY: PIONEER 3320

PRE MAY 6

SPK MAY 16

EP MAY 24

+7D MAY 31

6LF JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	95	20	0	95	75	5	15	15
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	68	0	92	95	98	22	22
2B	LINURON	50.00 DF	1.000 LB/AC	PRE								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	65	48	0	65	72	68	15	0
3B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
4A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	62	55	0	62	98	65	38	38
4B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
5A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	68	52	0	68	90	58	35	32
5B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	62	68	0	62	98	82	38	32
6B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	78	72	0	78	100	90	50	50
7B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	75	0	88	100	100	48	42
8B	DPX 8259	60.00 DF	1.000 LB/AC	PRE								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	72	50	0	72	85	55	35	35
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
10A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	80	70	0	80	95	85	42	42
10B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC	PRE								
11A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	72	70	0	72	95	78	48	48
11B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC	PRE								
12A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	75	55	0	75	72	78	32	32
12B	CHLORIM + LINURON	60.00 DF	.525 LB/AC	PRE								
13A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	82	60	0	82	52	98	25	20
13B	CHLORIM + LINURON	60.00 DF	.525 LB/AC	PRE								
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	75	70	0	75	98	98	48	42
14B	S-53482	50.00 WP	.022 LB/AC	PRE								
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	82	0	90	95	100	88	85
15B	S-53482	50.00 WP	.045 LB/AC	PRE								
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	82	0	88	95	100	75	65
16B	S-53482	50.00 WP	.067 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	ILMG	TAMG
17	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	65	10	0	65	12	5	15	15
18A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	70	68	0	70	90	88	52	32
18B	DPX 8259	60.00 DF	.600 LB/AC	PRE								
19A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	55	40	0	55	58	48	42	38
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
20A	METOLACHLOR	8.00 E	1.000 LB/AC	PRE	60	52	0	60	65	58	48	48
20B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
21A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	62	50	0	62	60	65	25	22
21B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
22	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	58	0	0	10	88	35	35
23A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	10	68	0	10	48	92	58	52
23B	S-63596	.89 L	.067 LB/AC	PRE								
24	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	18	52	0	18	45	48	45	45
25	FMC 57020	4.00 EC	1.000 LB/AC	PRE	95	62	0	95	78	88	15	15
26	DPX 8259	60.00 DF	1.000 LB/AC	PRE	45	72	0	52	82	98	55	55
27	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	20	42	0	20	50	55	52	52
28	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	45	52	0	45	58	58	45	45
29A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	78	55	0	78	52	88	50	50
29B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE								
30A	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE	62	60	0	62	55	85	60	60
30B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
31A	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE	60	62	0	60	12	95	58	48
31B	DPX 8259	60.00 DF	.600 LB/AC	PRE								
32	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	78	65	0	78	90	90	15	15
33A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	80	62	0	80	98	90	20	20
33B	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE								
34A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	65	65	0	65	70	78	58	55
34B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
35A	CYANAZINE	4.00 L	.250 LB/AC	PRE	10	48	0	10	62	40	55	55
35B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE								
36A	CYANAZINE	4.00 L	.250 LB/AC	PRE	0	30	0	0	40	28	30	30
36B	CHLORIMURON	25.00 DF	.063 LB/AC	PRE								
37A	CYANAZINE	4.00 L	.500 LB/AC	PRE	0	28	0	0	32	30	28	28
37B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE								
38A	CYANAZINE	4.00 L	.500 LB/AC	PRE	0	52	0	0	62	58	52	52
38B	CHLORIMURON	25.00 DF	.063 LB/AC	PRE								
39A	CYANAZINE	4.00 L	.750 LB/AC	PRE	0	42	0	0	42	45	40	40
39B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE								
40A	CYANAZINE	4.00 L	.750 LB/AC	PRE	0	40	0	0	48	38	32	32
40B	CHLORIMURON	25.00 DF	.063 LB/AC	PRE								
41A	CHLORIMURON	25.00 DF	.008 LB/AC	MP	0	40	5	0	85	18	72	72
41B	M6316	25.00 DF	.003 LB/AC	MP								
41C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
42A	CHLORIMURON	25.00 DF	.008 LB/AC	MP	0	52	8	0	80	28	82	82
42B	M6316	25.00 DF	.004 LB/AC	MP								
42C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
43A	CHLORIMURON	25.00 DF	.008 LB/AC	MP	0	55	5	0	70	45	78	78
43B	M6316	25.00 DF	.008 LB/AC	MP								
43C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
44	S-63596	.89 L	.045 LB/AC	PRE	0	2	0	0	0	0	12	12
45	S-63596	.89 L	.067 LB/AC	PRE	0	0	0	0	0	0	0	0
46	S-63596	.89 L	.089 LB/AC	PRE	0	0	0	0	0	0	0	0
47	S-53482	50.00 WP	.022 LB/AC	PRE	22	55	0	22	55	68	42	42
48	S-53482	50.00 WP	.045 LB/AC	PRE	8	60	0	8	60	78	42	42
49	S-53482	50.00 WP	.067 LB/AC	PRE	22	68	0	22	100	85	55	50
50A	S-53482	50.00 WP	.045 LB/AC	PRE	100	70	0	100	95	80	62	55
50B	RE 45601	2.00 EC	.100 LB/AC	MP								
50C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
51A	METOLACHLOR	8.00 E	2.000 LB/AC PRE		60	60	0	60	95	88	18	22
51B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PRE									
52	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD (05) :		21	20	2	21	37	21	29	29

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.5%

DATE PLANTED: MAY 11

DATE TREATED: PRE MAY 11

VARIETY: WILLIAMS 82

MP MAY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
1	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	95	75	0	10	10
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	95	98	22	22
2B	LINURON	50.00 DF	1.000 LB/AC	PRE						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	65	72	62	10	0
3B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE						
4A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	0	68	98	65	32	32
4B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE						
5A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	0	72	90	62	30	30
5B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE						
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	65	98	82	38	38
6B	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PRE						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	80	100	88	55	55
7B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE						
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	85	100	100	42	40
8B	DPX 8259	60.00 DF	1.000 LB/AC	PRE						
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	75	85	50	38	38
9B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE						
10A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	0	82	95	80	40	40
10B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC	PRE						
11A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	0	78	95	78	45	45
11B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC	PRE						
12A	ALACHLOR	4.00 MT	1.500 LB/AC	PRE	0	78	72	68	28	28
12B	CHLORIM + LINURON	60.00 DF	.525 LB/AC	PRE						
13A	ALACHLOR	4.00 MT	2.000 LB/AC	PRE	0	80	52	95	30	25
13B	CHLORIM + LINURON	60.00 DF	.525 LB/AC	PRE						
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	78	98	95	38	38
14B	S-53482	50.00 WP	.022 LB/AC	PRE						
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	95	88	52	52
15B	S-53482	50.00 WP	.045 LB/AC	PRE						
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	88	95	100	70	62
16B	S-53482	50.00 WP	.067 LB/AC	PRE						

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMEREGNCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	GIFT	JIWE	COLO	ILMG	TAMG
17	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	65	22	0	15	15
18A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	62	90	88	42	35
18B	DPX 8259	60.00 DF	.600 LB/AC	PRE						
19A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	55	60	50	38	38
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE						
20A	METOLACHLOR	8.00 E	1.000 LB/AC	PRE	0	62	65	55	48	48
20B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE						
21A	METOLACHLOR	8.00 E	1.500 LB/AC	PRE	0	65	60	65	28	25
21B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE						
22	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	0	10	88	35	35
23A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	0	60	90	55	52
23B	S-63596	.89 L	.067 LB/AC	PRE						
24	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	15	45	50	45	45
25	FMC 57020	4.00 EC	1.000 LB/AC	PRE	0	98	82	90	10	10
26	DPX 8259	60.00 DF	1.000 LB/AC	PRE	0	35	82	98	55	55
27	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	28	45	60	50	50
28	IMAZETHAPYR	2.00 AS	.078 LB/AC	PRE	0	42	60	60	42	42
29A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	85	45	88	50	50
29B	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE						
30A	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE	0	68	42	82	58	58
30B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE						
31A	PENDIMETHALIN	4.00 E	.750 LB/AC	PRE	0	65	18	95	50	45
31B	DPX 8259	60.00 DF	.600 LB/AC	PRE						
32	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	0	80	90	90	15	15
33A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PRE	0	82	98	90	22	22
33B	IMAZAQUIN	1.50 AS	.063 LB/AC	PRE						
34A	CINMETHYLIN	7.00 EC	.750 LB/AC	PRE	0	68	68	78	55	55
34B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMEREGNCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
35A	CYANAZINE	4.00 L	.250 LB/AC	PRE	0	10	62	45	55	55
35B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE						
36A	CYANAZINE	4.00 L	.250 LB/AC	PRE	0	0	40	32	30	30
36B	CHLORIMURON	25.00 DF	.063 LB/AC	PRE						
37A	CYANAZINE	4.00 L	.500 LB/AC	PRE	0	0	32	30	28	28
37B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE						
38A	CYANAZINE	4.00 L	.500 LB/AC	PRE	0	0	62	60	52	52
38B	CHLORIMURON	25.00 DF	.063 LB/AC	PRE						
39A	CYANAZINE	4.00 L	.750 LB/AC	PRE	0	0	42	38	35	35
39B	CHLORIMURON	25.00 DF	.047 LB/AC	PRE						
40A	CYANAZINE	4.00 L	.750 LB/AC	PRE	0	0	48	38	32	32
40B	CHLORIMURON	25.00 DF	.063 LB/AC	PRE						
41A	CHLORIMURON	25.00 DF	.008 LB/AC	MP	0	0	85	22	72	70
41B	M6316	25.00 DF	.003 LB/AC	MP						
41C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
42A	CHLORIMURON	25.00 DF	.008 LB/AC	MP	0	0	80	28	72	72
42B	M6316	25.00 DF	.004 LB/AC	MP						
42C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
43A	CHLORIMURON	25.00 DF	.008 LB/AC	MP	0	5	70	22	78	78
43B	M6316	25.00 DF	.008 LB/AC	MP						
43C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
44	S-63596	.89 L	.045 LB/AC	PRE	0	0	0	10	12	12
45	S-63596	.89 L	.067 LB/AC	PRE	0	0	0	0	0	0
46	S-63596	.89 L	.089 LB/AC	PRE	0	0	0	0	0	0
47	S-53482	50.00 WP	.022 LB/AC	PRE	0	18	55	65	40	40
48	S-53482	50.00 WP	.045 LB/AC	PRE	0	8	60	75	40	40
49	S-53482	50.00 WP	.067 LB/AC	PRE	0	18	100	85	52	52
50A	S-53482	50.00 WP	.045 LB/AC	PRE	0	100	72	80	50	45
50B	RE 45601	2.00 EC	.100 LB/AC	MP						
50C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8011 SOYBEAN PREEMEREGNCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG
51A	METOLACHLOR	8.00 E	2.000 LB/AC PRE		0	55	95	80	22	22
51B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PRE							
52	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
			LSD (05):		0	21	36	22	27	28

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 60 N,

60 P,

60 K

PH: 6.5

O.M.: 3.5%

DATE PLANTED: MAY 11

DATE TREATED: PRE MAY 11

VARIETY: WILLIAMS 82

MP MAY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	ILMG	TAMG	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PPI	95	45	0	95	95	100	58	30	100
1B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
2A	ALACHLOR	4.00 MT	1.500 LB/AC	PPI	85	68	0	85	85	92	75	72	98
2B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI									
3A	ALACHLOR	4.00 MT	2.000 LB/AC	PPI	95	82	0	95	98	100	88	80	100
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI									
4A	ALACHLOR	4.00 MT	1.500 LB/AC	PPI	75	70	0	75	88	100	80	65	100
4B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC	PPI									
5A	ALACHLOR	4.00 MT	2.000 LB/AC	PPI	92	78	0	92	98	100	82	72	75
5B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC	PPI									
6A	ALACHLOR	4.00 MT	2.000 LB/AC	PPI	85	60	0	85	82	98	80	68	98
6B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI									
7A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	98	70	0	98	62	98	98	95	100
7B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI									
8A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	100	85	0	100	85	100	98	95	100
8B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI									
9A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	98	90	0	98	88	100	100	98	100
9B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI									
10A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	92	62	0	92	50	92	98	92	92
10B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI									
11A	TRIFLURALIN	4.00 E	.750 LB/AC	PPI	100	82	0	100	75	100	98	98	100
11B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI									
12A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	98	90	0	98	98	100	92	85	100
12B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI									
13A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	92	75	0	92	92	100	85	75	100
13B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI									
14A	METOLACHLOR	8.00 E	2.000 LB/AC	PPI	92	78	0	92	98	100	88	80	98
14B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI									
15A	METOLACHLOR	8.00 E	1.500 LB/AC	PPI	98	85	0	98	92	100	90	80	100
15B	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----									
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE	
16A	ETHALFLURALIN	3.00 E	.750 LB/AC PPI		100	90	0	100	90	100	98	92	100	
16B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PPI											
17	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI		62	55	0	62	62	85	80	70	98	
18	IMAZETHAPYR	2.00 AS	.078 LB/AC PPI		70	78	0	70	80	98	88	80	100	
19A	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI		95	78	0	95	78	98	92	82	100	
19B	PENDIMETHALIN	4.00 E	.750 LB/AC PPI											
20A	PENDIMETHALIN	4.00 E	.750 LB/AC PPI		92	80	0	92	82	100	90	88	100	
20B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PPI											
21A	PENDIMETHALIN	4.00 E	.750 LB/AC PPI		95	88	0	95	88	100	98	88	98	
21B	IMAZAQUIN	1.50 AS	.125 LB/AC PPI											
22A	PENDIMETHALIN	4.00 E	.750 LB/AC PPI		100	85	0	100	92	100	95	85	100	
22B	IMAZAQUIN	1.50 AS	.125 LB/AC PPI											
22C	FMC 57020	4.00 EC	.500 LB/AC PPI											
23A	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC PPI		100	72	0	100	100	100	80	70	100	
23B	FMC 57020	4.00 EC	.750 LB/AC PPI											
24A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC PPI		100	78	0	100	98	100	88	72	100	
24B	FMC 57020	4.00 EC	1.000 LB/AC PPI											
25A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PPI		100	72	0	100	98	100	78	70	100	
25B	FMC 57020	4.00 EC	.500 LB/AC PPI											
26A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PPI		100	82	0	100	100	100	80	82	100	
26B	FMC 57020	4.00 EC	1.000 LB/AC PPI											
27A	FMC 57020	4.00 EC	.750 LB/AC PPI		95	78	0	95	90	100	85	72	100	
27B	IMAZAQUIN	1.50 AS	.090 LB/AC PPI											
28A	FMC 57020	4.00 EC	.750 LB/AC PPI		100	50	0	100	100	100	80	32	100	
28B	METRIBUZIN 1	4.00 F	.500 LB/AC PPI											
29A	FMC 57020	4.00 EC	.750 LB/AC PPI		98	72	0	98	100	90	85	62	100	
29B	CHLORIMURON	25.00 DF	.008 LB/AC MP											
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC MP											
30A	FMC 57020	4.00 EC	.750 LB/AC PPI		100	60	0	100	100	100	68	42	100	
30B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC MP											
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC MP											



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
31A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	100	92	0	100	95	100	98	92	100
31B	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI									
32A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	100	95	0	100	100	92	100	98	100
32B	CHLORIMURON	25.00 DF	.008 LB/AC	MP									
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
33A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	100	95	0	100	100	100	98	95	100
33B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	MP									
33C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
34A	TRIFLUR. + FMC 57020	5.25 EC	1.310 LB/AC	PPI	100	92	0	100	98	100	100	92	100
34B	METRIBUZIN 1	4.00 F	.380 LB/AC	PPI									
35	TREFLAN + METRIBUZIN	4.00 EC	1.500 LB/AC	PPI	100	90	0	100	88	100	100	95	100
36A	TREFLAN + METRIBUZIN	4.00 EC	1.500 LB/AC	PPI	100	92	0	100	88	100	100	98	100
36B	IMAZAQUIN	1.50 AS	.075 LB/AC	PPI									
37A	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	100	58	0	100	100	100	58	48	100
37B	FMC 57020	4.00 EC	.250 LB/AC	PPI									
38	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PPI	98	88	0	98	88	98	100	92	98
39A	MON 9838	3.00 E	1.690 LB/AC	PPI	95	82	0	95	82	95	90	88	95
39B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI									
40A	MON 9838	3.00 E	2.250 LB/AC	PPI	98	88	0	98	92	100	92	88	100
40B	IMAZAQUIN	1.50 AS	.094 LB/AC	PPI									
41A	MON 9838	3.00 E	1.690 LB/AC	PPI	92	88	0	92	100	100	92	80	100
41B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI									
42A	MON 9838	3.00 E	2.250 LB/AC	PPI	98	90	0	98	98	100	90	92	100
42B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PPI									
43	METALACHLOR + METRIB	8.00 EC	2.750 LB/AC	PPI	100	55	0	100	95	100	65	50	75
44	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100	100
			LSD(05) :		6	13	0	6	13	6	10	15	NS

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 6.5 O.M.: 3.5%
DATE PLANTED: MAY 11	DATE TREATED: PPI MAY 11
VARIETY: WILLIAMS 82	MP MAY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

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 PPI		0	95	95	100	45	20	100
1B	METRIBUZIN 1	4.00 F	.500 LB/AC PPI								
2A	ALACHLOR	4.00 MT	1.500 LB/AC PPI		0	88	80	90	68	65	98
2B	IMAZAQUIN	1.50 AS	.094 LB/AC PPI								
3A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		0	85	98	100	78	72	100
3B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC PPI								
4A	ALACHLOR	4.00 MT	1.500 LB/AC PPI		0	55	85	100	68	52	100
4B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC PPI								
5A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		0	88	98	100	68	58	100
5B	CHLORIMURON + METRIB	75.00 DF	.328 LB/AC PPI								
6A	ALACHLOR	4.00 MT	2.000 LB/AC PPI		0	85	70	95	72	68	98
6B	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI								
7A	TRIFLURALIN	4.00 E	1.000 LB/AC PPI		0	98	55	98	95	90	100
7B	METRIBUZIN 1	4.00 F	.500 LB/AC PPI								
8A	TRIFLURALIN	4.00 E	.750 LB/AC PPI		0	98	80	100	90	85	100
8B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC PPI								
9A	TRIFLURALIN	4.00 E	.750 LB/AC PPI		0	92	85	100	95	88	100
9B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC PPI								
10A	TRIFLURALIN	4.00 E	.750 LB/AC PPI		0	92	45	92	92	92	92
10B	IMAZAQUIN	1.50 AS	.094 LB/AC PPI								
11A	TRIFLURALIN	4.00 E	.750 LB/AC PPI		0	98	62	100	95	98	100
11B	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI								
12A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	92	92	100	78	70	100
12B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC PPI								
13A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	92	85	98	78	70	100
13B	IMAZAQUIN	1.50 AS	.094 LB/AC PPI								
14A	METOLACHLOR	8.00 E	2.000 LB/AC PPI		0	95	92	100	80	75	95
14B	IMAZAQUIN	1.50 AS	.125 LB/AC PPI								
15A	METOLACHLOR	8.00 E	1.500 LB/AC PPI		0	98	92	100	85	78	98
15B	IMAZETHAPYR	2.00 AS	.063 LB/AC PPI								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
16A	ETHALFLURALIN	3.00 E	.750 LB/AC	PPI	0	100	78	100	85	88	100
16B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI							
17	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	68	52	85	72	62	98
18	IMAZETHAPYR	2.00 AS	.078 LB/AC	PPI	0	68	72	100	80	72	100
19A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	98	72	98	90	82	100
19B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI							
20A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	95	75	100	82	82	100
20B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI							
21A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	95	78	100	90	85	98
21B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI							
22A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	100	88	100	92	85	100
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI							
22C	FMC 57020	4.00 EC	.500 LB/AC	PPI							
23A	CHLORIMURON + METRIB	75.00 DF	.230 LB/AC	PPI	0	100	100	100	65	58	100
23B	FMC 57020	4.00 EC	.750 LB/AC	PPI							
24A	CHLORIMURON + METRIB	75.00 DF	.280 LB/AC	PPI	0	100	98	100	75	60	100
24B	FMC 57020	4.00 EC	1.000 LB/AC	PPI							
25A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI	0	98	98	100	58	50	100
25B	FMC 57020	4.00 EC	.500 LB/AC	PPI							
26A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PPI	0	100	95	100	62	68	100
26B	FMC 57020	4.00 EC	1.000 LB/AC	PPI							
27A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	95	88	98	80	68	100
27B	IMAZAQUIN	1.50 AS	.090 LB/AC	PPI							
28A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	100	98	100	70	25	100
28B	METRIBUZIN 1	4.00 F	.500 LB/AC	PPI							
29A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	98	100	90	70	48	100
29B	CHLORIMURON	25.00 DF	.008 LB/AC	MP							
29C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							
30A	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	98	100	100	55	30	100
30B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	MP							
30C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----						
					CRIN	GIFT	JIWE	COLQ	ILMG	TAMG	VELE
31A	TRIFLUR. + FMC 57020	5.25 EC	1.310	LB/AC PPI	0	100	95	100	92	90	100
31B	CHLORIMURON + METRIB	75.00 DF	.230	LB/AC PPI							
32A	TRIFLUR. + FMC 57020	5.25 EC	1.310	LB/AC PPI	0	98	100	88	95	92	100
32B	CHLORIMURON	25.00 DF	.008	LB/AC MP							
32C	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
33A	TRIFLUR. + FMC 57020	5.25 EC	1.310	LB/AC PPI	0	100	100	100	90	90	100
33B	BENT + ACIFL 2.23:1	4.00 E	.750	LB/AC MP							
33C	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP							
34A	TRIFLUR. + FMC 57020	5.25 EC	1.310	LB/AC PPI	0	100	98	100	90	82	100
34B	METRIBUZIN 1	4.00 F	.380	LB/AC PPI							
35	TREFLAN + METRIBUZIN	4.00 EC	1.500	LB/AC PPI	0	100	75	100	95	88	100
36A	TREFLAN + METRIBUZIN	4.00 EC	1.500	LB/AC PPI	0	100	90	100	100	98	100
36B	IMAZAQUIN	1.50 AS	.075	LB/AC PPI							
37A	METALACHLOR + METRIB	8.00 EC	2.750	LB/AC PPI	0	100	100	100	42	32	100
37B	FMC 57020	4.00 EC	.250	LB/AC PPI							
38	PENDAMETHALIN + IMAZ	2.33 EC	.870	LB/AC PPI	0	98	80	98	95	90	98
39A	MON 9838	3.00 E	1.690	LB/AC PPI	0	90	80	95	82	85	95
39B	IMAZAQUIN	1.50 AS	.094	LB/AC PPI							
40A	MON 9838	3.00 E	2.250	LB/AC PPI	0	98	82	100	85	85	98
40B	IMAZAQUIN	1.50 AS	.094	LB/AC PPI							
41A	MON 9838	3.00 E	1.690	LB/AC PPI	0	88	98	100	78	62	100
41B	CHLORIMURON + METRIB	75.00 DF	.500	LB/AC PPI							
42A	MON 9838	3.00 E	2.250	LB/AC PPI	0	92	98	100	75	80	100
42B	CHLORIMURON + METRIB	75.00 DF	.500	LB/AC PPI							
43	METALACHLOR + METRIB	8.00 EC	2.750	LB/AC PPI	0	98	95	100	52	40	100
44	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100	100
			LSD (05) :		0	9	16	7	12	16	4

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8013 SOYBEAN PREPLANT INCORPORATED

LOCATION: SPINDLETOP FARM  
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.5 O.M.: 3.5%  
DATE PLANTED: MAY 11 DATE TREATED: PPI MAY 11  
VARIETY: WILLIAMS 82 MP MAY 31

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED --					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	ILMG	CRIN	GIFT	JIWE	COLO	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	80	0	85	88	80	62	0	85	88	72	65
1B	LACTOFEN	2.00 E	.200 LB/AC	COT												
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	48	0	90	100	20	72	0	90	100	12	70
2B	LACTOFEN	2.00 E	.200 LB/AC	EP												
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	52	0	88	100	30	72	0	90	100	15	72
3B	LACTOFEN	2.00 E	.200 LB/AC	EP												
3C	X-77 (SURFACTANT)	.50 WA	.250 %	EP												
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	48	0	88	100	18	70	0	88	100	10	70
4B	LACTOFEN	2.00 E	.200 LB/AC	EP												
4C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP												
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	85	68	0	85	88	55	70	0	88	90	48	72
5B	LACTOFEN	2.00 E	.200 LB/AC	EP												
5C	BENTAZON	4.00 E	.500 LB/AC	EP												
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP												
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	68	55	0	88	100	32	68	0	88	100	10	70
6B	LACTOFEN	2.00 E	.200 LB/AC	EP												
6C	IMAZAQUIN	1.50 AS	.125 LB/AC	EP												
6D	X-77 (SURFACTANT)	.50 WA	.250 %	EP												
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	88	52	0	88	100	32	80	0	90	100	25	82
7B	LACTOFEN	2.00 E	.200 LB/AC	V4												
7C	IMAZAQUIN	1.50 AS	.125 LB/AC	V4												
7D	X-77 (SURFACTANT)	.50 WA	.250 %	V4												
8A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	68	2	100	90	65	52	0	100	82	60	52
8B	RE 45601	2.00 EC	.075 LB/AC	LP												
8C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP												
9A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	80	0	100	75	90	48	0	100	78	88	45
9B	RE 45601	2.00 EC	.100 LB/AC	LP												
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP												
10A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	100	85	0	100	85	88	70	0	100	85	85	68
10B	S-63596	.89 L	.067 LB/AC	MP												
11A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	85	55	0	85	95	35	70	0	100	95	25	72
11B	RE 45601	2.00 EC	.100 LB/AC	LP												
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP												
12A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE	100	82	0	100	85	88	65	0	100	88	78	68
12B	RE 45601	2.00 EC	.100 LB/AC	LP												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED --					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	CRIN	GIFT	JIWE	COLQ	ILMG
13A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	98	68	0	98	90	58	65	0	98	90	50	72
13B	RE 45601	2.00 EC	.100 LB/AC	LP												
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP												
14A	BENTAZON	4.00 E	.500 LB/AC	V1	90	78	0	92	90	70	82	0	92	90	62	82
14B	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
15A	BENTAZON	4.00 E	.500 LB/AC	V2	100	70	2	100	100	62	75	0	100	100	58	75
15B	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
16A	BENTAZON	4.00 E	1.000 LB/AC	V1	88	80	0	88	92	80	58	0	88	92	70	55
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V1												
17A	BENTAZON	4.00 E	1.000 LB/AC	V2	98	88	0	100	100	85	68	0	100	100	78	65
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V2												
18A	ACIFLUORFEN	2.00 L	.250 LB/AC	V1	85	72	0	85	85	68	78	0	85	85	60	78
18B	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
19A	ACIFLUORFEN	2.00 L	.250 LB/AC	V2	100	52	0	100	98	35	75	0	100	98	28	72
19B	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
20A	ACIFLUORFEN	2.00 L	.500 LB/AC	V1	80	80	0	80	78	82	78	0	80	78	75	72
20B	OIL CONCENTRATE	.00 AD	.500 QT/AC	V1												
21A	ACIFLUORFEN	2.00 L	.500 LB/AC	V2	100	62	0	100	100	50	62	0	100	100	38	65
21B	OIL CONCENTRATE	.00 AD	.500 QT/AC	V2												
22A	LACTOFEN	2.00 E	.078 LB/AC	V1	90	68	0	90	95	58	80	0	90	95	55	78
22B	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
23A	LACTOFEN	2.00 E	.078 LB/AC	V2	75	55	0	75	100	28	70	0	98	100	18	68
23B	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
24A	LACTOFEN	2.00 E	.156 LB/AC	V1	85	82	2	85	92	78	80	0	85	92	70	78
24B	OIL CONCENTRATE	.00 AD	.500 QT/AC	V1												
25A	LACTOFEN	2.00 E	.156 LB/AC	V2	100	48	2	100	72	30	62	0	100	75	5	60
25B	OIL CONCENTRATE	.00 AD	.500 QT/AC	V2												
26A	FOMESAFEN	2.00 LC	.156 LB/AC	V1	85	78	0	85	88	72	85	0	85	88	65	82
26B	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
27A	FOMESAFEN	2.00 LC	.156 LB/AC	V2	72	50	0	72	92	20	90	0	72	90	8	88
27B	X-77 (SURFACTANT)	.50 WA	.250 %	V2												



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								-----8 WEEKS AFTER APPLIED --				
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	CRIN	GIFT	JIWE	COLQ	ILMG	
28A	FOMESAFEN	2.00 LC	.313 LB/AC	V1	82	75	0	82	88	72	82	0	82	88	65	80	
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V1													
29A	FOMESAFEN	2.00 LC	.313 LB/AC	V2	75	45	0	75	100	18	75	0	98	100	5	78	
29B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V2													
30A	CHLORIMURON	25.00 DF	.004 LB/AC	V1	95	40	0	95	98	15	92	0	95	98	0	88	
30B	X-77 (SURFACTANT)	.50 WA	.250 %	V1													
31A	CHLORIMURON	25.00 DF	.004 LB/AC	V2	100	45	0	100	100	18	52	0	100	100	10	62	
31B	X-77 (SURFACTANT)	.50 WA	.250 %	V2													
32A	CHLORIMURON	25.00 DF	.008 LB/AC	V1	100	48	0	100	98	22	92	0	100	98	15	88	
32B	X-77 (SURFACTANT)	.50 WA	.250 %	V1													
33A	CHLORIMURON	25.00 DF	.008 LB/AC	V2	75	52	0	75	100	25	88	0	98	100	12	82	
33B	X-77 (SURFACTANT)	.50 WA	.250 %	V2													
34A	RE 45601	2.00 EC	.100 LB/AC	V1	95	38	0	95	75	18	52	0	98	88	15	65	
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V1													
35A	RE 45601	2.00 EC	.100 LB/AC	V2	75	42	0	100	100	10	80	0	100	100	5	78	
35B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V2													
36A	RE 45601	2.00 EC	.100 LB/AC	V1	85	60	2	85	100	42	82	0	88	100	38	80	
36B	LACTOFEN	2.00 E	.078 LB/AC	V1													
36C	OIL CONCENTRATE	.00 AD	.500 QT/AC	V1													
37A	RE 45601	2.00 EC	.100 LB/AC	V2	100	45	0	100	100	10	78	0	100	100	0	75	
37B	LACTOFEN	2.00 E	.078 LB/AC	V2													
37C	OIL CONCENTRATE	.00 AD	.500 QT/AC	V2													
38	2,4-DB	2.00 E	.030 LB/AC	V1	95	40	2	95	92	5	78	0	92	90	0	78	
39	2,4-DB	2.00 E	.030 LB/AC	V2	100	40	0	100	100	0	88	0	100	100	0	85	
40A	S-23031	.88 L	.014 LB/AC	V1	92	78	0	92	92	68	92	0	92	92	60	88	
40B	X-77 (SURFACTANT)	.50 WA	.250 %	V1													
41A	S-23031	.88 L	.014 LB/AC	V2	68	45	0	68	90	28	72	0	80	92	15	75	
41B	X-77 (SURFACTANT)	.50 WA	.250 %	V2													
42A	S-23031	.88 L	.029 LB/AC	V1	90	82	0	90	88	78	90	0	90	85	70	88	
42B	X-77 (SURFACTANT)	.50 WA	.250 %	V1													

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----			-----8 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	JIWE	COLO	ILMG	CRIN	GIFT	JIWE	COLO	ILMG
43A	S-23031	.88 L	.029 LB/AC	V2	100	55	0	100	92	30	85	0	100	90	25	85
43B	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
44A	S-23031	.88 L	.043 LB/AC	V1	90	78	0	90	90	72	92	0	90	90	65	90
44B	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
45A	S-23031	.88 L	.043 LB/AC	V2	95	60	0	100	92	45	78	0	100	92	32	75
45B	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
46A	S-23031	.88 L	.014 LB/AC	V1	88	82	0	88	90	78	90	0	88	90	70	80
46B	BENTAZON	4.00 E	.500 LB/AC	V1												
46C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
47A	S-23031	.88 L	.014 LB/AC	V2	100	52	0	100	98	25	75	0	100	95	12	72
47B	BENTAZON	4.00 E	.500 LB/AC	V2												
47C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
48A	S-23031	.88 L	.029 LB/AC	V1	88	82	0	88	90	75	90	0	90	90	68	80
48B	BENTAZON	4.00 E	.500 LB/AC	V1												
48C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
49A	S-23031	.88 L	.029 LB/AC	V2	90	68	0	100	98	48	85	0	100	95	42	82
49B	BENTAZON	4.00 E	.500 LB/AC	V2												
49C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
50A	S-23031	.88 L	.014 LB/AC	V1	88	85	0	88	92	80	95	0	90	92	72	88
50B	ACIFLUORFEN	2.00 L	.250 LB/AC	V1												
50C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
51A	S-23031	.88 L	.014 LB/AC	V2	100	55	0	100	98	35	70	0	100	95	32	70
51B	ACIFLUORFEN	2.00 L	.250 LB/AC	V2												
51C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
52A	S-23031	.88 L	.029 LB/AC	V1	85	85	0	85	85	82	90	0	88	82	75	85
52B	ACIFLUORFEN	2.00 L	.250 LB/AC	V1												
52C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
53A	S-23031	.88 L	.029 LB/AC	V2	100	72	5	100	100	68	72	0	100	100	60	70
53B	ACIFLUORFEN	2.00 L	.250 LB/AC	V2												
53C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
54A	S-23031	.88 L	.014 LB/AC	V1	90	78	0	90	90	70	90	0	90	90	62	85
54B	LACTOFEN	2.00 E	.078 LB/AC	V1												
54C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED -----					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	CRIN	GIFT	JIWE	COLQ	ILMG
55A	S-23031	.88 L	.014 LB/AC	V2	85	48	2	100	95	28	72	0	100	98	22	72
55B	LACTOFEN	2.00 E	.078 LB/AC	V2												
55C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
56A	S-23031	.88 L	.029 LB/AC	V1	85	85	0	85	90	80	88	0	82	90	72	82
56B	LACTOFEN	2.00 E	.078 LB/AC	V1												
56C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
57A	S-23031	.88 L	.029 LB/AC	V2	75	48	5	75	98	25	82	0	88	95	10	78
57B	LACTOFEN	2.00 E	.078 LB/AC	V2												
57C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
58A	S-23031	.88 L	.014 LB/AC	V1	88	80	0	88	88	75	90	0	90	85	68	85
58B	FOMESAFEN	2.00 LC	.156 LB/AC	V1												
58C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
59A	S-23031	.88 L	.014 LB/AC	V2	98	50	0	98	100	28	82	0	100	100	15	80
59B	FOMESAFEN	2.00 LC	.156 LB/AC	V2												
59C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
60A	S-23031	.88 L	.029 LB/AC	V1	82	85	0	82	88	80	90	0	85	85	72	85
60B	FOMESAFEN	2.00 LC	.156 LB/AC	V1												
60C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
61A	S-23031	.88 L	.029 LB/AC	V2	100	65	0	100	100	40	75	0	100	100	25	75
61B	FOMESAFEN	2.00 LC	.156 LB/AC	V2												
61C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
62A	S-23031	.88 L	.014 LB/AC	V1	92	70	0	92	92	60	98	0	90	92	52	90
62B	CHLORIMURON	25.00 DF	.004 LB/AC	V1												
62C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
63A	S-23031	.88 L	.014 LB/AC	V2	100	58	0	100	100	38	70	0	100	100	18	72
63B	CHLORIMURON	25.00 DF	.004 LB/AC	V2												
63C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
64A	S-23031	.88 L	.029 LB/AC	V1	90	70	0	90	90	60	90	0	90	90	52	88
64B	CHLORIMURON	25.00 DF	.004 LB/AC	V1												
64C	X-77 (SURFACTANT)	.50 WA	.250 %	V1												
65A	S-23031	.88 L	.029 LB/AC	V2	100	50	0	100	100	20	82	0	100	100	8	80
65B	CHLORIMURON	25.00 DF	.004 LB/AC	V2												
65C	X-77 (SURFACTANT)	.50 WA	.250 %	V2												
66A	S-23031	.88 L	.029 LB/AC	V1	22	88	0	22	95	88	95	0	10	95	78	90
66B	RE 45601	2.00 EC	.100 LB/AC	V1												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----						-----8 WEEKS AFTER APPLIED -----					
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	ILMG	CRIN	GIFT	JIWE	COLQ	ILMG
67A	S-23031	.88 L	.029 LB/AC	V2	100	55	0	100	75	40	70	0	100	75	32	72
67B	RE 45601	2.00 EC	.100 LB/AC	V2												
67C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	V2												
68	S-63596	.89 L	.045 LB/AC	MP	45	38	0	45	98	5	82	0	82	98	0	80
69	S-63596	.89 L	.067 LB/AC	MP	40	38	0	40	100	0	85	0	80	100	0	85
70	S-63596	.89 L	.089 LB/AC	MP	50	38	0	50	80	0	70	0	95	85	0	75
71	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	0	100	100	100	100
72	CHECK (CULTIVATED)	.00 CK	.000													
LSD(05):					29	15	NS	26	24	14	19	0	12	12	21	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.: 3.9%  
 DATE TREATED: PRE MAY 11  
 COT MAY 20  
 V1 MAY 25  
 EP MAY 31  
 V2 JUNE 1  
 MP JUNE 1  
 V4 JUNE 8  
 LP JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	ILMG	TAMG	COLQ	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	82	8	90	85	82	90	92
1B	BENTAZON	4.00 E	.750 LB/AC	MP								
1C	ACIFLUORFEN	2.00 L	.125 LB/AC	MP								
1D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	82	10	90	82	82	92	88
2B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	MP								
2C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	92	85	2	92	90	85	90	95
3B	BENT + ACIFL 3:1	3.67 E	.930 LB/AC	MP								
3C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP								
4A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	98	80	12	98	95	95	80	92
4B	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
5A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	100	85	10	100	98	95	85	95
5B	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
5C	10 34 0	.00 AD	1.000 QT/AC	MP								
6A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	70	78	10	70	90	90	78	88
6B	ACIFLUORFEN	2.00 L	.125 LB/AC	MP								
6C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
7A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	70	85	10	70	88	88	85	88
7B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP								
7C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
8A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	100	82	18	100	92	92	82	92
8B	2,4-DB	2.00 E	.030 LB/AC	MP								
8C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
9A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	80	75	12	80	88	88	78	90
9B	FOMESAFEN	2.00 LC	.250 LB/AC	MP								
9C	X-77 (SURFACTANT)	.50 WA	.250 %	MP								
10A	FOMESAFEN	2.00 LC	.313 LB/AC	21D	92	55	12	92	82	80	55	78
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D								
10C	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	+7D								
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D								
11A	FOMESAFEN	2.00 LC	.313 LB/AC	21D	100	82	12	100	95	95	82	95
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D								
11C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	+7D								
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	ILMG	TAMG	COLQ	VELE
12A	FOMESAFEN	2.00 LC	.250 LB/AC	21D	90	82	15	90	92	95	82	98
12B	2,4-DB	2.00 E	.030 LB/AC	21D								
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D								
12D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	+7D								
12E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D								
13A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	40	88	10	50	82	88	90	92
13B	ACIFLUORFEN	2.00 L	.250 LB/AC	EP								
13C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
14A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	50	82	10	50	85	90	88	82
14B	FOMESAFEN	2.00 LC	.156 LB/AC	EP								
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP								
15A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	50	82	10	50	85	85	85	80
15B	LACTOFEN	2.00 E	.078 LB/AC	EP								
15C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP								
16A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D	90	78	8	92	85	82	78	82
16B	BENTAZON	4.00 E	.750 LB/AC	21D								
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D								
17A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D	80	42	10	80	72	72	42	72
17B	IMAZAQUIN	1.50 AS	.060 LB/AC	21D								
17C	X-77 (SURFACTANT)	.50 WA	.250 %	21D								
18A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D	100	78	10	100	88	90	78	90
18B	FOMESAFEN	2.00 LC	.313 LB/AC	21D								
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D								
19A	IMAZAQUIN	1.50 AS	.030 LB/AC	EP	70	60	10	70	75	75	52	68
19B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
20A	IMAZAQUIN	1.50 AS	.045 LB/AC	EP	90	38	15	90	50	50	38	48
20B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
21A	IMAZAQUIN	1.50 AS	.060 LB/AC	EP	85	62	10	85	72	72	58	72
21B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
22A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	45	85	10	45	90	90	90	85
22B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
23A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	42	85	10	42	88	88	90	88
23B	X-77 (SURFACTANT)	.50 WA	.250 %	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----							
					GRAS	BRLE	CRIN	GIFT	ILMG	TAMG	COLQ	VELE
24A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	50	82	10	50	90	88	88	78
24B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP								
24C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
25A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	58	88	10	58	90	88	88	82
25B	IMAZAQUIN	1.50 AS	.045 LB/AC	EP								
25C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
26A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	48	85	10	48	90	90	88	78
26B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP								
26C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
27A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	45	88	10	45	90	90	90	85
27B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP								
27C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
28A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	60	88	10	60	90	90	90	82
28B	IMAZAQUIN	1.50 AS	.045 LB/AC	EP								
28C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
29A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	60	90	10	60	95	90	90	85
29B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP								
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP								
30	HOE 46360	.62 E	.065 LB/AC	4LF	98	18	10	98	20	20	18	18
31	HOE 46360	.62 E	.075 LB/AC	4LF	100	10	12	100	0	0	0	0
32	HOE 46360	.62 E	.100 LB/AC	4LF	100	20	12	100	10	10	10	10
33A	UBI 1484	2.00 L	1.500 LB/AC	14S	78	75	20	78	82	85	68	80
33B	OIL CONCENTRATE	.00 AD	.500 QT/AC	14S								
34A	UBI 1484	2.00 L	1.000 LB/AC	14S	72	58	18	58	55	60	62	75
34B	ACIFLUORFEN	2.00 L	.380 LB/AC	14S								
34C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	14S								
35A	UBI 1484	2.00 L	1.000 LB/AC	14S	80	62	18	80	80	80	65	70
35B	FOMESAFEN	2.00 LC	.156 LB/AC	14S								
35C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	14S								
36A	UBI 1484	2.00 L	1.500 LB/AC	14S	70	62	15	70	72	72	58	75
36B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	14S								
36C	OIL CONCENTRATE	.00 AD	.500 QT/AC	14S								

LSD(05):

15 14 5 17 16 15 12 14

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 6.3 O.M.: 3.9%
DATE PLANTED: MAY 11	DATE TREATED: PRE MAY 11
VARIETY: WILLIAMS 82	EP MAY 25
	4LF MAY 31
	MP MAY 31
	21D MAY 31
	+7D JUNE 8
	14S JUNE 15



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	ILMG	TAMG	COLQ	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	8	68	72	75	85	82
1B	BENTAZON	4.00 E	.750 LB/AC	MP						
1C	ACIFLUORFEN	2.00 L	.125 LB/AC	MP						
1D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	70	75	75	82	80
2B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	MP						
2C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	2	72	80	78	90	80
3B	BENT + ACIFL 3:1	3.67 E	.930 LB/AC	MP						
3C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
4A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	12	88	90	88	55	85
4B	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
5A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	10	90	90	90	60	92
5B	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
5C	10 34 0	.00 AD	1.000 QT/AC	MP						
6A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	10	68	85	88	62	80
6B	ACIFLUORFEN	2.00 L	.125 LB/AC	MP						
6C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
7A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	10	65	82	82	70	82
7B	ACIFLUORFEN	2.00 L	.250 LB/AC	MP						
7C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
8A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	18	88	88	88	58	90
8B	2,4-DB	2.00 E	.030 LB/AC	MP						
8C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
9A	IMAZETHAPYR	2.00 AS	.063 LB/AC	MP	12	75	88	88	60	88
9B	FOMESAFEN	2.00 LC	.250 LB/AC	MP						
9C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
10A	FOMESAFEN	2.00 LC	.313 LB/AC	21D	12	88	72	75	50	78
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D						
10C	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	+7D						
10D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D						
11A	FOMESAFEN	2.00 LC	.313 LB/AC	21D	12	88	85	88	60	92
11B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D						
11C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	+7D						
11D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	ILMG	TAMG	COLQ	VELE
12A	FOMESAFEN	2.00 LC	.250 LB/AC	21D	15	88	88	88	60	85
12B	2,4-DB	2.00 E	.030 LB/AC	21D						
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D						
12D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	+7D						
12E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	+7D						
13A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	10	32	92	85	90	90
13B	ACIFLUORFEN	2.00 L	.250 LB/AC	EP						
13C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
14A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	10	48	80	82	78	78
14B	FOMESAFEN	2.00 LC	.156 LB/AC	EP						
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
15A	CHLORIMURON	25.00 DF	.008 LB/AC	EP	10	50	80	78	78	72
15B	LACTOFEN	2.00 E	.078 LB/AC	EP						
15C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
16A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D	8	72	85	80	62	78
16B	BENTAZON	4.00 E	.750 LB/AC	21D						
16C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D						
17A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D	10	80	70	70	42	72
17B	IMAZAQUIN	1.50 AS	.060 LB/AC	21D						
17C	X-77 (SURFACTANT)	.50 WA	.250 %	21D						
18A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D	10	90	80	80	68	80
18B	FOMESAFEN	2.00 LC	.313 LB/AC	21D						
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D						
19A	IMAZAQUIN	1.50 AS	.030 LB/AC	EP	10	70	70	70	48	65
19B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
20A	IMAZAQUIN	1.50 AS	.045 LB/AC	EP	15	88	50	48	38	48
20B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
21A	IMAZAQUIN	1.50 AS	.060 LB/AC	EP	10	82	68	68	50	70
21B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
22A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	10	40	90	90	90	75
22B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
23A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	10	42	82	85	85	72
23B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	ILMG	TAMG	COLQ	VELE
24A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	10	50	85	85	80	70
24B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP						
24C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
25A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	10	48	88	85	75	65
25B	IMAZAQUIN	1.50 AS	.045 LB/AC	EP						
25C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
26A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	10	45	85	85	75	70
26B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP						
26C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
27A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	10	40	90	90	85	78
27B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP						
27C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
28A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	10	55	88	88	85	62
28B	IMAZAQUIN	1.50 AS	.045 LB/AC	EP						
28C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
29A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	10	52	92	88	80	70
29B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP						
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
30	HOE 46360	.62 E	.065 LB/AC	4LF	10	98	20	20	18	18
31	HOE 46360	.62 E	.075 LB/AC	4LF	12	98	0	0	0	0
32	HOE 46360	.62 E	.100 LB/AC	4LF	12	95	10	10	10	10
33A	UBI 1484	2.00 L	1.500 LB/AC	14S	20	75	72	72	62	70
33B	OIL CONCENTRATE	.00 AD	.500 QT/AC	14S						
34A	UBI 1484	2.00 L	1.000 LB/AC	14S	18	58	52	58	58	70
34B	ACIFLUORFEN	2.00 L	.380 LB/AC	14S						
34C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	14S						
35A	UBI 1484	2.00 L	1.000 LB/AC	14S	18	72	80	80	60	62
35B	FOMESAFEN	2.00 LC	.156 LB/AC	14S						
35C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	14S						
36A	UBI 1484	2.00 L	1.500 LB/AC	14S	15	65	70	70	50	68
36B	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	14S						
36C	OIL CONCENTRATE	.00 AD	.500 QT/AC	14S						

LSD (05) : 5 15 17 16 14 16

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8027 SOYBEAN POSTEMERGENCE II

LOCATION:	SPINDLETOP FARM			SOIL TYPE:	MAURY SILT LOAM	
FERTILIZATION (LB/AC):	60 N,	60 P,	60 K	PH:	6.3	O.M.: 3.9%
DATE PLANTED:	MAY 11			DATE TREATED:	PRE MAY 11	
VARIETY:	WILLIAMS 82				EP MAY 25	
					4LF MAY 31	
					MP MAY 31	
					21D MAY 31	
					+7D JUNE 8	
					14S JUNE 15	

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----									
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	BLNS	PRSI	PESW	
1A	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP	90	82	0	90	82	70	88	90	85	
1B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP										
1C	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP										
2A	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP	80	68	0	80	75	90	80	55	78	
2B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP										
2C	LINURON	50.00 DF	1.000 LB/AC	2WP										
3A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	85	75	5	85	65	88	82	82	82	
3B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
3C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE										
4A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	72	10	90	62	78	90	85	70	
4B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
4C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE										
5A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	88	70	2	88	48	75	90	88	65	
5B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
5C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE										
6A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	88	75	8	88	70	82	68	82	82	
6B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
6C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE										
7A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	80	10	90	82	85	88	88	75	
7B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE										
7C	DPX 8259	60.00 DF	.600 LB/AC	PRE										
8A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	90	78	2	90	82	88	75	80	88	
8B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE										
8C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE										
9A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	92	82	8	92	68	88	80	85	85	
9B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE										
9C	DPX 8259	60.00 DF	.600 LB/AC	PRE										
10A	PARAQUAT	1.50 S	.380 LB/AC	2WP	92	62	0	92	35	80	80	88	72	
10B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP										
10C	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP										
10D	X-77 (SURFACTANT)	.50 WA	.250 %	2WP										
11A	PARAQUAT	1.50 S	.380 LB/AC	2WP	78	62	0	78	78	72	82	50	70	
11B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP										
11C	LINURON	50.00 DF	1.000 LB/AC	2WP										
11D	X-77 (SURFACTANT)	.50 WA	.250 %	2WP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	BLNS	PRSI	PESW
12A	PARAQUAT	1.50 S	.280 LB/AC	PRE	90	75	5	90	72	88	75	82	72
12B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
12C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
13A	PARAQUAT	1.50 S	.280 LB/AC	PRE	82	68	2	82	55	82	78	85	68
13B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
13C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
14A	PARAQUAT	1.50 S	.280 LB/AC	PRE	90	65	2	90	58	82	82	88	52
14B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
14C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE									
14D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
15A	PARAQUAT	1.50 S	.280 LB/AC	PRE	82	78	2	82	78	90	70	82	82
15B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
15C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
15D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
16A	PARAQUAT	1.50 S	.280 LB/AC	PRE	92	90	10	92	85	88	85	88	85
16B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
16C	DPX 8259	60.00 DF	.600 LB/AC	PRE									
16D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
17A	PARAQUAT	1.50 S	.280 LB/AC	PRE	88	72	10	88	75	78	65	75	75
17B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
17C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
17D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
18A	PARAQUAT	1.50 S	.280 LB/AC	PRE	85	72	8	85	75	85	60	82	80
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
18C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
18D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
19A	PARAQUAT	1.50 S	.280 LB/AC	PRE	90	75	10	90	85	82	75	80	70
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
19C	DPX 8259	60.00 DF	.600 LB/AC	PRE									
19D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
20A	PARAQUAT	1.50 S	.280 LB/AC	2WP	88	85	2	88	72	82	85	78	85
20B	2,4-D ESTER	4.00 E	.500 LB/AC	2WP									
20C	X-77 (SURFACTANT)	.50 WA	.250 %	2WP									
20D	PARAQUAT + METALACHL	2.50 EC	2.500 LB/AC	PRE									
20E	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
20F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	BLNS	PRSI	PESW
21A	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	2WP	88	82	0	88	92	85	88	70	78
21B	2,4-D ESTER	4.00 E	.500 LB/AC	2WP									
21C	X-77 (SURFACTANT)	.50 WA	.250 %	2WP									
21D	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	PRE									
21E	DPX 8259	60.00 DF	.600 LB/AC	PRE									
21F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
22A	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	2WP	85	78	0	85	95	88	78	68	72
22B	2,4-D ESTER	4.00 E	.500 LB/AC	2WP									
22C	X-77 (SURFACTANT)	.50 WA	.250 %	2WP									
22D	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	PRE									
22E	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
22F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
23A	HOE 39866	1.67 AS	.750 LB/AC	PRE	92	80	0	92	68	88	82	88	85
23B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
23C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
24A	HOE 39866	1.67 AS	.750 LB/AC	PRE	90	82	5	90	80	85	90	85	80
24B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
24C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE									
25A	HOE 39866	1.67 AS	.750 LB/AC	PRE	95	90	5	95	80	90	85	92	90
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
25C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
26A	HOE 39866	1.67 AS	.750 LB/AC	PRE	85	82	2	85	75	85	88	85	88
26B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
26C	DPX 8259	60.00 DF	.600 LB/AC	PRE									
27A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	82	88	0	85	98	85	68	90	92
27B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	2WP									
28A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	78	78	2	78	95	75	75	82	90
28B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
28C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
29A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	70	80	2	70	82	82	80	85	80
29B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
29C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
30A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	78	72	0	78	82	70	75	75	52
30B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
30C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	BLNS	PRSI	PESW
31A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	88	85	5	88	92	80	72	88	82
31B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
31C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
32A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	82	88	2	82	98	82	88	80	75
32B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
32C	DPX 8259	60.00 DF	.600 LB/AC	PRE									
33A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	82	78	2	82	92	85	68	78	85
33B	PARAQUAT	1.50 S	.380 LB/AC	PRE									
33C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
33D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
34A	2,4-D ESTER	4.00 E	.500 LB/AC	2WP	85	72	0	85	88	72	60	82	90
34B	PARAQUAT	1.50 S	.380 LB/AC	PRE									
34C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
34D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
34E	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	MP									
34F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
35A	2,4-D ESTER	4.00 E	.500 LB/AC	2WP	92	90	8	92	95	95	88	88	88
35B	PARAQUAT	1.50 S	.380 LB/AC	PRE									
35C	LINURON	50.00 DF	1.000 LB/AC	PRE									
35D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
35E	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
35F	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
35G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
36A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	90	58	0	90	72	58	50	52	58
36B	RE 45601	2.00 EC	.100 LB/AC	LP									
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
37A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	92	55	2	92	28	65	80	85	70
37B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP									
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2WP									
38A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	90	75	0	90	95	65	85	88	68
38B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP									
38C	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP									
38D	X-77 (SURFACTANT)	.50 WA	.250 %	2WP									
39A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	90	70	0	90	70	82	85	85	65
39B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP									
39C	PARAQUAT	1.50 S	.500 LB/AC	2WP									
39D	X-77 (SURFACTANT)	.50 WA	.250 %	2WP									



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	CLMW	BLNS	PRSI	PESW
40A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	92	80	0	92	78	90	80	82	88
40B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP									
40C	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP									
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2WP									
41A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	90	62	0	90	95	82	68	82	85
41B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP									
41C	METRIBUZIN 2	4.00 L	.380 LB/AC	2WP									
41D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2WP									
42A	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP	85	75	0	85	88	68	70	85	72
42B	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP									
42C	2,4-D ESTER	4.00 E	.500 LB/AC	2WP									
43A	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP	80	70	0	80	85	88	80	62	68
43B	LINURON	4.00 L	1.000 LB/AC	2WP									
43C	2,4-D ESTER	4.00 E	.500 LB/AC	2WP									
44A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	65	72	8	65	68	85	68	85	78
44B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
44C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
45A	CHLORIMURON	25.00 DF	.012 LB/AC	EPP	80	78	0	80	75	82	82	82	85
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP									
45C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
45D	LINURON	4.00 L	1.000 LB/AC	PRE									
46	CYANAZINE	4.00 L	1.000 LB/AC	2WP	78	65	0	78	58	85	78	58	48
47	CYANAZINE	4.00 L	2.000 LB/AC	2WP	75	75	0	75	80	78	82	70	80
48	CYANAZINE	4.00 L	3.000 LB/AC	2WP	82	80	0	82	92	85	88	68	80
			LSD(05):		14	12	6	14	20	18	16	12	15

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K  
 DATE PLANTED: MAY 16  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.4 O.M.: 4.5%  
 DATE TREATED: 2WP APRIL 26  
 EPP APRIL 26  
 PRE MAY 16  
 MP JUNE 8  
 21D JUNE 8  
 LP JUNE 15

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	COLO	CLMW	BLNS	CORW	PRSI	PESW
1A	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP	0	85	90	78	100	100	88	92
1B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP								
1C	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP								
2A	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP	0	85	85	82	90	90	38	88
2B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP								
2C	LINURON	50.00 DF	1.000 LB/AC	2WP								
3A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	58	82	90	88	78	90
3B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
3C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
4A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	60	85	95	90	85	88
4B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
4C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
5A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	58	80	98	88	82	82
5B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
5C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
6A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	62	75	82	82	90	88
6B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
6C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
7A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	90	80	85	98	88	85	85
7B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
7C	DPX 8259	60.00 DF	.600 LB/AC	PRE								
8A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	80	80	82	82	100	85	92
8B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
8C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
9A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	82	85	90	85	90	80	82
9B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
9C	DPX 8259	60.00 DF	.600 LB/AC	PRE								
10A	PARAQUAT	1.50 S	.380 LB/AC	2WP	0	92	28	72	95	95	85	90
10B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP								
10C	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP								
10D	X-77 (SURFACTANT)	.50 WA	.250 %	2WP								
11A	PARAQUAT	1.50 S	.380 LB/AC	2WP	0	85	88	82	92	95	32	75
11B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP								
11C	LINURON	50.00 DF	1.000 LB/AC	2WP								
11D	X-77 (SURFACTANT)	.50 WA	.250 %	2WP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	COLQ	CLMW	BLNS	CORW	PRSI	PESW
12A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	90	70	88	82	90	78	72
12B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
12C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
13A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	90	55	82	92	75	85	62
13B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
13C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
13D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
14A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	98	45	85	95	85	78	58
14B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
14C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
14D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
15A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	85	72	88	75	100	82	90
15B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
15C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
15D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
16A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	90	82	82	90	98	85	88
16B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
16C	DPX 8259	60.00 DF	.600 LB/AC	PRE								
16D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
17A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	90	62	72	75	100	78	95
17B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
17C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
17D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
18A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	85	58	82	68	88	85	80
18B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
18C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
18D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
19A	PARAQUAT	1.50 S	.280 LB/AC	PRE	0	80	80	85	82	90	62	75
19B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
19C	DPX 8259	60.00 DF	.600 LB/AC	PRE								
19D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
20A	PARAQUAT	1.50 S	.280 LB/AC	2WP	0	90	100	80	98	100	78	92
20B	2,4-D ESTER	4.00 E	.500 LB/AC	2WP								
20C	X-77 (SURFACTANT)	.50 WA	.250 %	2WP								
20D	PARAQUAT + METALACHL	2.50 EC	2.500 LB/AC	PRE								
20E	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
20F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	COLQ	CLMW	BLNS	CORW	PRSI	PESW
21A	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	2WP	0	82	100	85	92	98	62	80
21B	2,4-D ESTER	4.00 E	.500 LB/AC	2WP								
21C	X-77 (SURFACTANT)	.50 WA	.250 %	2WP								
21D	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	PRE								
21E	DPX 8259	60.00 DF	.600 LB/AC	PRE								
21F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
22A	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	2WP	0	82	100	88	90	100	70	85
22B	2,4-D ESTER	4.00 E	.500 LB/AC	2WP								
22C	X-77 (SURFACTANT)	.50 WA	.250 %	2WP								
22D	PARAQUAT + METALACHL	2.50 EC	1.250 LB/AC	PRE								
22E	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
22F	X-77 (SURFACTANT)	.50 WA	.250 %	PRE								
23A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	72	82	95	90	85	80
23B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
23C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
24A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	95	75	82	92	82	88	85
24B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
24C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								
25A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	90	80	85	90	98	82	95
25B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
25C	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
26A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	80	80	82	92	92	72	92
26B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
26C	DPX 8259	60.00 DF	.600 LB/AC	PRE								
27A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	0	88	98	82	88	100	85	100
27B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	2WP								
28A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	0	75	100	82	85	92	85	98
28B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
28C	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE								
29A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	0	80	100	88	78	95	85	78
29B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
29C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE								
30A	2,4-D ESTER	4.00 E	1.000 LB/AC	2WP	0	88	92	75	92	90	70	58
30B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
30C	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	COLQ	CLMW	BLNS	CORW	PRSI	PESW
31A	2,4-D ESTER	4.00 E	1.000	LB/AC 2WP	0	88	98	82	68	100	72	95
31B	ALACHLOR	4.00 MT	2.500	LB/AC PRE								
31C	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE								
32A	2,4-D ESTER	4.00 E	1.000	LB/AC 2WP	0	80	100	85	98	98	78	88
32B	ALACHLOR	4.00 MT	2.500	LB/AC PRE								
32C	DPX 8259	60.00 DF	.600	LB/AC PRE								
33A	2,4-D ESTER	4.00 E	1.000	LB/AC 2WP	0	78	100	82	82	100	78	92
33B	PARAQUAT	1.50 S	.380	LB/AC PRE								
33C	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE								
33D	X-77 (SURFACTANT)	.50 WA	.250	% PRE								
34A	2,4-D ESTER	4.00 E	.500	LB/AC 2WP	0	85	95	82	68	100	82	85
34B	PARAQUAT	1.50 S	.380	LB/AC PRE								
34C	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE								
34D	X-77 (SURFACTANT)	.50 WA	.250	% PRE								
34E	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC MP								
34F	OIL CONCENTRATE	.00 AD	1.000	QT/AC MP								
35A	2,4-D ESTER	4.00 E	.500	LB/AC 2WP	0	92	100	82	95	100	82	98
35B	PARAQUAT	1.50 S	.380	LB/AC PRE								
35C	LINURON	50.00 DF	1.000	LB/AC PRE								
35D	X-77 (SURFACTANT)	.50 WA	.250	% PRE								
35E	FOMESAFEN	2.00 LC	.313	LB/AC 21D								
35F	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC 21D								
35G	OIL CONCENTRATE	.00 AD	1.000	QT/AC 21D								
36A	2,4-D ESTER	4.00 E	1.000	LB/AC 2WP	0	78	78	72	48	98	65	55
36B	RE 45601	2.00 EC	.100	LB/AC LP								
36C	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP								
37A	IMAZETHAPYR	2.00 AS	.063	LB/AC 2WP	0	90	40	80	95	65	90	95
37B	PENDIMETHALIN	4.00 E	1.000	LB/AC 2WP								
37C	OIL CONCENTRATE	.00 AD	1.000	QT/AC 2WP								
38A	IMAZETHAPYR	2.00 AS	.063	LB/AC 2WP	0	90	98	78	98	95	88	80
38B	PENDIMETHALIN	4.00 E	1.000	LB/AC 2WP								
38C	2,4-D ESTER	4.00 E	1.000	LB/AC 2WP								
38D	X-77 (SURFACTANT)	.50 WA	.250	% 2WP								
39A	IMAZETHAPYR	2.00 AS	.063	LB/AC 2WP	0	92	68	82	100	100	88	82
39B	PENDIMETHALIN	4.00 E	1.000	LB/AC 2WP								
39C	PARAQUAT	1.50 S	.500	LB/AC 2WP								
39D	X-77 (SURFACTANT)	.50 WA	.250	% 2WP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8017 EARLY PREPLANT SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	GIFT	COLQ	CLMW	BLNS	CORW	PRSI	PESW
40A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	0	90	85	88	92	98	85	95
40B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP								
40C	GLYPHOSATE	4.00 E	1.000 LB/AC	2WP								
40D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2WP								
41A	IMAZETHAPYR	2.00 AS	.063 LB/AC	2WP	0	92	98	85	100	72	85	98
41B	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP								
41C	METRIBUZIN 2	4.00 L	.380 LB/AC	2WP								
41D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	2WP								
42A	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP	0	80	92	70	88	90	80	80
42B	IMAZAQUIN	1.50 AS	.125 LB/AC	2WP								
42C	2,4-D ESTER	4.00 E	.500 LB/AC	2WP								
43A	PENDIMETHALIN	4.00 E	1.000 LB/AC	2WP	0	80	88	88	98	100	45	85
43B	LINURON	4.00 L	1.000 LB/AC	2WP								
43C	2,4-D ESTER	4.00 E	.500 LB/AC	2WP								
44A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	62	60	80	52	75	78	92
44B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE								
44C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE								
45A	CHLORIMURON	25.00 DF	.012 LB/AC	EPP	0	85	75	88	98	98	72	90
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EPP								
45C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE								
45D	LINURON	4.00 L	1.000 LB/AC	PRE								
46	CYANAZINE	4.00 L	1.000 LB/AC	2WP	0	80	62	88	88	90	70	45
47	CYANAZINE	4.00 L	2.000 LB/AC	2WP	0	80	78	85	95	100	65	95
48	CYANAZINE	4.00 L	3.000 LB/AC	2WP	0	80	92	90	98	100	68	85
LSD (05):					0	14	18	NS	16	17	15	16

LOCATION: SPINDLETOP FARM  
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K  
 DATE PLANTED: MAY 16  
 VARIETY: WILLIAMS 82

SOIL TYPE: MAURY SILT LOAM  
 PH: 6.4 O.M.: 4.5%  
 DATE TREATED: 2WP APRIL 26  
 EPP APRIL 26  
 PRE MAY 16  
 MP JUNE 8  
 21D JUNE 8  
 LP JUNE 15

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	CORW	PRSI	PESW
1A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	72	2	92	60	90	90	90	85
1B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
1C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
2A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	75	0	92	90	82	90	85	72
2B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
2C	LINURON	50.00 DF	1.000 LB/AC	PRE									
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
3A	PARAQUAT	1.50 S	.380 LB/AC	PRE	100	75	0	100	82	82	92	90	72
3B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
3C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
4A	PARAQUAT	1.50 S	.380 LB/AC	PRE	98	80	2	98	92	88	90	90	70
4B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
4C	LINURON	50.00 DF	1.000 LB/AC	PRE									
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5A	PARAQUAT	1.50 S	.380 LB/AC	PRE	92	82	2	92	98	88	90	88	82
5B	LINURON	50.00 DF	1.000 LB/AC	PRE									
5C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
5E	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
5F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
6A	PARAQUAT	1.50 S	.380 LB/AC	PRE	98	72	0	98	80	80	90	90	70
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
6C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
6D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
6E	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
6F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
7A	PARAQUAT	1.50 S	.380 LB/AC	PRE	100	68	8	100	42	85	85	88	75
7B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
7C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
7D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
7E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	CORW	PRSI	PESW
8A	PARAQUAT	1.50 S	.380	LB/AC PRE	100	82	2	100	78	88	90	88	80
8B	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE									
8C	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
8D	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC 21D									
8E	OIL CONCENTRATE	.00 AD	1.000	QT/AC 21D									
9A	PARAQUAT	1.50 S	.380	LB/AC PRE	98	75	0	98	92	82	90	90	72
9B	DPX 8259	60.00 DF	.600	LB/AC PRE									
9C	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
9D	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC 21D									
9E	OIL CONCENTRATE	.00 AD	1.000	QT/AC 21D									
10A	PARAQUAT	1.50 S	.380	LB/AC PRE	100	82	2	100	98	88	90	90	88
10B	LINURON	50.00 DF	.750	LB/AC PRE									
10C	2,4-DB	2.00 E	.125	LB/AC PRE									
10D	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
10E	FLUAZIFOP-BUYTL	1.00 E	.188	LB/AC 21D									
10F	FOMESAFEN	2.00 LC	.313	LB/AC 21D									
10G	OIL CONCENTRATE	.00 AD	1.000	QT/AC 21D									
11A	PARAQUAT	1.50 S	.500	LB/AC PRE	92	82	5	92	80	75	90	90	92
11B	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE									
11C	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
11D	RE 45601	2.00 EC	.100	LB/AC LP									
11E	OIL CONCENTRATE	.00 AD	1.000	QT/AC LP									
12A	PARAQUAT	1.50 S	.500	LB/AC PRE	98	82	2	98	92	80	90	90	82
12B	METRIBUZIN 1	4.00 F	.500	LB/AC PRE									
12C	METOLACHLOR	8.00 E	2.000	LB/AC PRE									
12D	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
13A	PARAQUAT + METALACHL	2.50 EC	1.880	LB/AC PRE	100	78	0	100	95	90	90	88	75
13B	DPX 8259	60.00 DF	.600	LB/AC PRE									
13C	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
14A	PARAQUAT + METALACHL	2.50 EC	1.880	LB/AC PRE	95	82	0	95	90	78	90	90	80
14B	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE									
14C	X-77 (SURFACTANT)	.50 WA	.250	% PRE									
15A	PARAQUAT + METALACHL	2.50 EC	2.500	LB/AC PRE	92	78	0	92	78	85	90	90	78
15B	CHLORIMURON + METRIB	75.00 DF	.380	LB/AC PRE									
15C	X-77 (SURFACTANT)	.50 WA	.250	% PRE									



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	CORW	PRSI	PESW
16A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	100	78	2	100	95	88	92	90	78
16B	LINURON	50.00 DF	.750 LB/AC	PRE									
16C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
16D	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
16E	2,4-DB	2.00 E	.030 LB/AC	21D									
16F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
17A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	95	80	5	95	88	82	88	88	80
17B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
17C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
17D	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
17E	2,4-DB	2.00 E	.030 LB/AC	21D									
17F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
18A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	100	72	2	100	72	80	90	90	55
18B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
18D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
18E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
19	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	82	78	2	82	82	88	90	75	72
20A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	100	85	2	100	90	95	90	90	80
20B	LINURON	50.00 DF	1.000 LB/AC	PRE									
21A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	95	85	0	95	82	88	90	90	82
21B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
21C	RE 45601	2.00 EC	.100 LB/AC	LP									
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
22A	HOE 39866	1.67 AS	.750 LB/AC	PRE	90	80	0	90	88	88	90	88	82
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
23A	HOE 39866	1.67 AS	.750 LB/AC	PRE	95	88	0	95	92	88	90	90	90
23B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
24A	HOE 39866	1.67 AS	.600 LB/AC	PRE	100	88	0	100	98	85	90	90	82
24B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
25A	HOE 39866	1.67 AS	.750 LB/AC	PRE	90	88	0	90	92	88	90	90	92
25B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	CORW	PRSI	PESW
26A	HOE 39866	1.67 AS	.600 LB/AC	PRE	85	90	0	85	95	92	92	90	80
26B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
27A	HOE 39866	1.67 AS	.750 LB/AC	PRE	95	90	8	95	92	88	90	90	95
27B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
28A	HOE 39866	1.67 AS	.750 LB/AC	PRE	90	78	0	90	80	88	90	82	88
28B	HOE 46360	.62 E	.075 LB/AC	MP									
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	80	2	98	88	82	92	92	75
29B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
29C	PARAQUAT	1.50 S	.500 LB/AC	PRE									
29D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	98	78	0	98	88	85	88	90	72
30B	PARAQUAT	1.50 S	.500 LB/AC	PRE									
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30D	RE 45601	2.00 EC	.100 LB/AC	21D									
30E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
31A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	98	68	0	98	78	62	85	90	82
31B	RE 45601	2.00 EC	.100 LB/AC	PRE									
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
32A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	98	78	0	98	80	75	85	90	78
32B	RE 45601	2.00 EC	.100 LB/AC	21D									
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
33A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	95	75	0	95	78	90	90	90	70
33B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
33C	PARAQUAT	1.50 S	.500 LB/AC	PRE									
33D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
34A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	100	85	0	100	88	92	88	90	80
34B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
34C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
34D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
35A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	92	80	0	92	72	95	92	90	82
35B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
35C	HOE 39866	1.67 AS	.750 LB/AC	PRE									
35D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	CORW	PRSI	PESW
36A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	92	62	0	92	55	88	82	90	78
36B	RE 45601	2.00 EC	.100 LB/AC	LP									
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
37A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE	85	78	2	85	72	78	90	90	82
37B	RE 45601	2.00 EC	.100 LB/AC	LP									
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
38A	RE 45601	2.00 EC	.100 LB/AC	21D	92	65	10	92	55	72	88	90	72
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
39A	RE 45601	2.00 EC	.100 LB/AC	PRE	92	75	0	92	78	68	90	88	92
39B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
39D	RE 45601	2.00 EC	.100 LB/AC	LP									
39E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
40A	RE 45601	2.00 EC	.100 LB/AC	PRE	98	82	0	98	88	88	90	90	75
40B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
40D	RE 45601	2.00 EC	.100 LB/AC	LP									
40E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
41A	RE 45601	2.00 EC	.100 LB/AC	PRE	98	72	2	98	75	80	85	90	72
41B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
41C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
41D	RE 45601	2.00 EC	.100 LB/AC	LP									
41E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
42A	RE 45601	2.00 EC	.100 LB/AC	PRE	98	70	2	98	68	70	85	88	85
42B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE									
42C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
42D	RE 45601	2.00 EC	.100 LB/AC	LP									
42E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
43A	S-53482	.83 L	.022 LB/AC	PRE	95	68	0	95	78	82	90	92	62
43B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
44A	S-53482	.83 L	.045 LB/AC	PRE	85	65	0	85	72	85	90	90	68
44B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GRAS	BRLE	CRIN	GIFT	COLQ	BLNS	CORW	PRSI	PESW
45A	S-53482	.83 L	.067 LB/AC	PRE	90	62	10	90	68	92	80	90	78
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
46A	S-53482	.83 L	.022 LB/AC	PRE	95	55	0	95	62	88	80	88	50
46B	RE 45601	2.00 EC	.100 LB/AC	PRE									
46C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
47A	S-53482	.83 L	.045 LB/AC	PRE	100	62	0	100	68	90	88	88	62
47B	RE 45601	2.00 EC	.100 LB/AC	PRE									
47C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
48A	S-53482	.83 L	.045 LB/AC	PRE	100	58	0	100	40	80	75	90	52
48B	RE 45601	2.00 EC	.100 LB/AC	21D									
48C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
49A	S-53482	.83 L	.067 LB/AC	PRE	95	80	2	95	98	92	88	88	90
49B	RE 45601	2.00 EC	.100 LB/AC	PRE									
49C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
50A	S-53482	.83 L	.067 LB/AC	PRE	100	72	0	100	88	95	90	90	75
50B	RE 45601	2.00 EC	.100 LB/AC	PRE									
50C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
50D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
51A	S-53482	.83 L	.067 LB/AC	PRE	95	80	0	95	90	92	92	90	78
51B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
51C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
51D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
52	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0
			LSD(05):		10	14	NS	7	20	10	13	8	5

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 16

DATE TREATED: PRE MAY 16

VARIETY: WILLIAMS 82

21D JUNE 8

MP JUNE 15

LP JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----								
					CRIN	GIFT	COLQ	ILMG	BLNS	CORW	PRSI	PESW	MRTL
1A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	60	88	92	100	90	88	80
1B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
1C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
1D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
2A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	92	90	92	100	80	70	58
2B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
2C	LINURON	50.00 DF	1.000 LB/AC	PRE									
2D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
3A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	100	58	80	90	90	80	48	58
3B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
3C	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
3D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
4A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	98	100	88	100	100	90	48	78
4B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
4C	LINURON	50.00 DF	1.000 LB/AC	PRE									
4D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	82	100	80	100	100	88	70	68
5B	LINURON	50.00 DF	1.000 LB/AC	PRE									
5C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
5D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
5E	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
5F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
6A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	95	85	78	90	98	88	50	65
6B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
6C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
6D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
6E	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
6F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
7A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	100	18	88	90	90	90	50	78
7B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
7C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
7D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
7E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----								
					CRIN	GIFT	COLQ	ILMG	BLNS	CORW	PRSI	PESW	MRTL
8A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	90	78	88	98	100	90	88	70
8B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
8C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
8D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
8E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
9A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	98	98	72	90	100	88	60	48
9B	DPX 8259	60.00 DF	.600 LB/AC	PRE									
9C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
9D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
9E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
10A	PARAQUAT	1.50 S	.380 LB/AC	PRE	0	100	100	78	100	100	98	90	78
10B	LINURON	50.00 DF	.750 LB/AC	PRE									
10C	2,4-DB	2.00 E	.125 LB/AC	PRE									
10D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
10E	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
10F	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
10G	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
11A	PARAQUAT	1.50 S	.500 LB/AC	PRE	0	90	68	88	70	100	88	90	78
11B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
11C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
11D	RE 45601	2.00 EC	.100 LB/AC	LP									
11E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
12A	PARAQUAT	1.50 S	.500 LB/AC	PRE	0	100	82	88	90	100	90	82	68
12B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
12C	METOLACHLOR	8.00 E	2.000 LB/AC	PRE									
12D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
13A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	0	100	98	82	100	100	80	68	58
13B	DPX 8259	60.00 DF	.600 LB/AC	PRE									
13C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
14A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	0	90	92	85	90	100	98	90	82
14B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
14C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
15A	PARAQUAT + METALACHL	2.50 EC	2.500 LB/AC	PRE	0	70	85	70	88	100	90	68	90
15B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
15C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----								
					CRIN	GIFT	COLO	ILMG	BLNS	CORW	PRSI	PESW	MRTL
16A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	0	100	90	88	100	100	90	78	48
16B	LINURON	50.00 DF	.750 LB/AC	PRE									
16C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
16D	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
16E	2,4-DB	2.00 E	.030 LB/AC	21D									
16F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
17A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	0	90	78	50	88	92	90	40	70
17B	METRIBUZIN 1	4.00 F	.380 LB/AC	PRE									
17C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
17D	FOMESAFEN	2.00 LC	.313 LB/AC	21D									
17E	2,4-DB	2.00 E	.030 LB/AC	21D									
17F	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
18A	PARAQUAT + METALACHL	2.50 EC	1.880 LB/AC	PRE	0	100	48	72	100	100	90	38	72
18B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
18C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
18D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	21D									
18E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
19	GLYPHOSATE	4.00 E	1.500 LB/AC	PRE	0	70	70	50	82	98	82	72	90
20A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 LB/AC	PRE	0	100	90	90	100	100	90	90	72
20B	LINURON	50.00 DF	1.000 LB/AC	PRE									
21A	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE	0	92	88	78	98	100	90	72	80
21B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
21C	RE 45601	2.00 EC	.100 LB/AC	LP									
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
22A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	90	88	88	92	100	90	82	72
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE									
23A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	90	100	80	100	100	90	100	82
23B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
24A	HOE 39866	1.67 AS	.600 LB/AC	PRE	0	100	100	92	90	100	90	98	82
24B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
25A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	90	90	80	90	92	82	88	80
25B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----								
					CRIN	GIFT	COLQ	ILMG	BLNS	CORW	PRSI	PESW	MRTL
26A	HOE 39866	1.67 AS	.600 LB/AC	PRE	0	80	80	70	100	100	90	80	90
26B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
27A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	90	90	88	90	100	92	90	70
27B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
28A	HOE 39866	1.67 AS	.750 LB/AC	PRE	0	92	68	70	100	98	68	60	72
28B	HOE 46360	.62 E	.075 LB/AC	MP									
28C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	92	88	88	92	100	90	48	92
29B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
29C	PARAQUAT	1.50 S	.500 LB/AC	PRE									
29D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	98	92	80	100	100	82	78	80
30B	PARAQUAT	1.50 S	.500 LB/AC	PRE									
30C	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
30D	RE 45601	2.00 EC	.100 LB/AC	21D									
30E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
31A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	90	82	78	50	100	90	88	82
31B	RE 45601	2.00 EC	.100 LB/AC	PRE									
31C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
32A	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE	0	98	60	78	70	100	90	90	40
32B	RE 45601	2.00 EC	.100 LB/AC	21D									
32C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
33A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	98	58	90	90	90	92	58	82
33B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
33C	PARAQUAT	1.50 S	.500 LB/AC	PRE									
33D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
34A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	100	80	82	100	100	90	80	80
34B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
34C	GLYPHOSATE	4.00 E	1.000 LB/AC	PRE									
34D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
35A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PRE	0	100	60	70	90	92	82	88	60
35B	PENDIMETHALIN	4.00 E	1.000 LB/AC	PRE									
35C	HOE 39866	1.67 AS	.750 LB/AC	PRE									
35D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----								
					CRIN	GIFT	COLQ	IIMG	BLNS	CORW	PRSI	PESW	MRTL
36A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	0	90	28	90	100	82	90	98	70
36B	RE 45601	2.00 EC	.100 LB/AC	LP									
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
37A	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE	0	80	40	48	60	100	90	98	70
37B	RE 45601	2.00 EC	.100 LB/AC	LP									
37C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
38A	RE 45601	2.00 EC	.100 LB/AC	21D	0	100	30	72	90	92	80	38	38
38B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
39A	RE 45601	2.00 EC	.100 LB/AC	PRE	0	90	90	90	52	100	90	100	70
39B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE									
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
39D	RE 45601	2.00 EC	.100 LB/AC	LP									
39E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
40A	RE 45601	2.00 EC	.100 LB/AC	PRE	0	100	90	60	100	100	82	78	70
40B	DPX 8259	60.00 DF	1.000 LB/AC	PRE									
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
40D	RE 45601	2.00 EC	.100 LB/AC	LP									
40E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
41A	RE 45601	2.00 EC	.100 LB/AC	PRE	0	92	70	90	90	100	82	88	70
41B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE									
41C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
41D	RE 45601	2.00 EC	.100 LB/AC	LP									
41E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
42A	RE 45601	2.00 EC	.100 LB/AC	PRE	0	82	50	80	70	88	90	88	72
42B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE									
42C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
42D	RE 45601	2.00 EC	.100 LB/AC	LP									
42E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	LP									
43A	S-53482	.83 L	.022 LB/AC	PRE	0	98	70	82	90	90	82	48	38
43B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
44A	S-53482	.83 L	.045 LB/AC	PRE	0	80	48	82	98	90	90	82	20
44B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----								
					CRIN	GIFT	COLQ	ILMG	BLNS	CORW	PRSI	PESW	MRTL
45A	S-53482	.83 L	.067 LB/AC	PRE	0	70	50	88	90	72	80	90	48
45B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
46A	S-53482	.83 L	.022 LB/AC	PRE	0	92	60	82	88	88	82	20	32
46B	RE 45601	2.00 EC	.100 LB/AC	PRE									
46C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
47A	S-53482	.83 L	.045 LB/AC	PRE	0	100	88	78	100	82	80	80	20
47B	RE 45601	2.00 EC	.100 LB/AC	PRE									
47C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
48A	S-53482	.83 L	.045 LB/AC	PRE	0	100	48	80	98	92	82	60	70
48B	RE 45601	2.00 EC	.100 LB/AC	21D									
48C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	21D									
49A	S-53482	.83 L	.067 LB/AC	PRE	0	100	92	80	100	88	90	90	50
49B	RE 45601	2.00 EC	.100 LB/AC	PRE									
49C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
50A	S-53482	.83 L	.067 LB/AC	PRE	0	100	98	90	100	100	95	80	8
50B	RE 45601	2.00 EC	.100 LB/AC	PRE									
50C	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
50D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	PRE									
51A	S-53482	.83 L	.067 LB/AC	PRE	0	98	98	92	100	100	92	70	40
51B	ALACHLOR	4.00 MT	2.500 LB/AC	PRE									
51C	PARAQUAT	1.50 S	.250 LB/AC	PRE									
51D	X-77 (SURFACTANT)	.50 WA	.250 %	PRE									
52	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0	0	0	0	0
			LSD (05):		0	10	17	12	7	6	19	18	12

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 16

DATE TREATED: PRE MAY 16

VARIETY: WILLIAMS 82

21D JUNE 8

MP JUNE 15

LP JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8030 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --					-----8 WEEKS ----		
					GRAS	BRLE	CRIN	COLQ	VELE	CRIN	COLQ	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	12	60	82	10	28	78
1B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	50	18	50	80	18	38	70
2B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	45	12	45	85	12	30	80
3B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
3C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	3LF								
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	52	22	50	85	22	25	78
4B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
4C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	5LF								
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	90	50	20	50	85	20	35	80
5B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
5C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	3LF								
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	58	20	58	75	20	35	62
6B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
6C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF								
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	52	12	52	88	12	38	80
7B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
7C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	3LF								
7D	X-77 (SURFACTANT)	.50 WA	.125 %	3LF								
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	55	20	55	78	20	28	72
8B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
8C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	5LF								
8D	X-77 (SURFACTANT)	.50 WA	.125 %	5LF								
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	58	12	58	80	12	35	70
9B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
9C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	3LF								
9D	X-77 (SURFACTANT)	.50 WA	.125 %	3LF								
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	48	15	48	82	15	30	78
10B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
10C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF								
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	58	12	52	82	12	45	70
11B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
11C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	3LF								
11D	X-77 (SURFACTANT)	.50 WA	.250 %	3LF								

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8030 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --					-----8 WEEKS ---		
					GRAS	BRLE	CRIN	COLQ	VELE	CRIN	COLQ	VELE
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	55	20	55	88	20	38	80
12B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
12C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	5LF								
12D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF								
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	60	15	60	92	15	30	88
13B	LACTOFEN	2.00 E	.200 LB/AC	3LF								
13C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	3LF								
13D	X-77 (SURFACTANT)	.50 WA	.250 %	3LF								
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	50	25	50	90	25	28	80
14B	LACTOFEN	2.00 E	.200 LB/AC	5LF								
14C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF								
14D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF								
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	60	12	60	88	10	35	85
15B	IMAZETHAPYR	2.00 AS	.063 LB/AC	3LF								
15C	X-77 (SURFACTANT)	.50 WA	.250 %	3LF								
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	58	20	50	88	20	38	78
16B	IMAZETHAPYR	2.00 AS	.063 LB/AC	5LF								
16C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF								
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	50	15	50	92	15	40	85
17B	IMAZETHAPYR	2.00 AS	.063 LB/AC	3LF								
17C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	3LF								
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	58	15	58	82	15	35	80
18B	IMAZETHAPYR	2.00 AS	.063 LB/AC	5LF								
18C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	5LF								
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	52	20	52	85	20	28	75
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	3LF								
19C	X-77 (SURFACTANT)	.50 WA	.250 %	3LF								
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	50	18	50	85	18	40	75
20B	IMAZAQUIN	1.50 AS	.125 LB/AC	5LF								
20C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF								
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	58	18	58	80	18	32	75
21B	IMAZAQUIN	1.50 AS	.125 LB/AC	3LF								
21C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	3LF								
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	48	18	48	88	18	30	82
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	5LF								
22C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	5LF								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8030 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED --					-----8 WEEKS ---		
					GRAS	BRLE	CRIN	COLQ	VELE	CRIN	COLQ	VELE
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	90	10	90	92	2	75	82
23B	BENTAZON	4.00 E	1.000 LB/AC	3LF								
23C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF								
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	78	18	78	85	18	32	72
24B	BENTAZON	4.00 E	1.000 LB/AC	5LF								
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF								
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	52	15	52	92	15	35	82
25B	CHLORIMURON	25.00 DF	.008 LB/AC	3LF								
25C	X-77 (SURFACTANT)	.50 WA	.250 %	3LF								
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	52	20	52	92	20	25	85
26B	CHLORIMURON	25.00 DF	.008 LB/AC	5LF								
26C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF								
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	98	48	18	48	92	18	30	85
27B	CHLORIMURON	25.00 DF	.008 LB/AC	3LF								
27C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	3LF								
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	100	55	18	52	88	18	32	80
28B	CHLORIMURON	25.00 DF	.008 LB/AC	5LF								
28C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	5LF								
LSD (05) :					NS	12	9	11	NS	10	14	NS

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.5%

DATE PLANTED: MAY 11

DATE TREATED: PRE MAY 11

VARIETY: WILLIAMS 82

3LF JUNE 2

5LF JUNE 10

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8020 WEED CONTROL IN GRAIN SORGHUM

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GRAS	BRLE	CRIN	GIFT	JIWE	COLQ	CLMW	RRPW
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	97	83	0	97	83	80	80	80
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
2A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	93	90	0	93	80	80	80	93
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
3A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	97	80	0	97	63	87	87	70
3B	S-63596	.89 L	.067 LB/AC	PRE								
4A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	83	83	43	83	70	90	90	90
4B	S-63596	.89 L	.067 LB/AC	MP								
5	RE 40885	50.00 WP	.500 LB/AC	PRE	83	77	0	83	60	63	63	83
6	RE 40885	50.00 WP	.750 LB/AC	PRE	87	63	0	87	57	50	50	63
7	RE 40885	50.00 WP	1.000 LB/AC	PRE	97	53	0	97	40	37	37	57
8A	RE 40885	50.00 WP	.250 LB/AC	PPI	100	77	0	100	53	90	90	80
8B	RE 40885	50.00 WP	.250 LB/AC	PRE								
9A	RE 40885	50.00 WP	.500 LB/AC	PPI	100	83	3	100	60	83	83	87
9B	RE 40885	50.00 WP	.250 LB/AC	PRE								
10A	RE 40885	50.00 WP	.250 LB/AC	PRE	93	70	3	93	50	77	77	87
10B	ATRAZINE	4.00 L	1.500 LB/AC	PRE								
11A	RE 40885	50.00 WP	.500 LB/AC	PRE	100	73	0	100	67	70	70	80
11B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE								
12	S-63596	.89 L	.045 LB/AC	PRE	97	77	0	97	73	73	73	90
13	S-63596	.89 L	.045 LB/AC	MP	97	67	40	97	70	70	70	87
14	S-63596	.89 L	.067 LB/AC	PRE	97	70	0	97	67	53	53	57
15	S-63596	.89 L	.067 LB/AC	MP	97	57	40	97	33	40	40	70
16	S-63596	.89 L	.089 LB/AC	PRE	93	67	3	93	63	60	60	83
17	S-63596	.89 L	.089 LB/AC	MP	97	57	50	97	53	40	40	90
18	CHECK (CULTIVATED)	.00 CK	.000		100	100	0	100	100	100	100	100
			LSD(05):		12	17	7	12	NS	37	26	37

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8020 WEED CONTROL IN GRAIN SORGHUM

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K	PH: 6.5 O.M.: 3.0%
DATE PLANTED: MAY 25	DATE TREATED: PPI MAY 25
VARIETY:	PRE MAY 25
	MP JUNE 23

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8020 WEED CONTROL IN GRAIN SORGHUM

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED -----					
					CRIN	GIFT	JIWE	COLQ	CLMW	RRPW
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	83	77	70	70	77
1B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
2A	METOLACHLOR	8.00 E	2.000 LB/AC	PRE	0	83	73	80	90	83
2B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
3A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	0	87	50	77	63	73
3B	S-63596	.89 L	.067 LB/AC	PRE						
4A	ATRAZINE	4.00 L	1.500 LB/AC	PRE	10	77	57	83	80	50
4B	S-63596	.89 L	.067 LB/AC	MP						
5	RE 40885	50.00 WP	.500 LB/AC	PRE	0	77	43	53	77	47
6	RE 40885	50.00 WP	.750 LB/AC	PRE	0	73	47	43	57	40
7	RE 40885	50.00 WP	1.000 LB/AC	PRE	0	90	33	30	63	30
8A	RE 40885	50.00 WP	.250 LB/AC	PPI	0	90	47	83	73	40
8B	RE 40885	50.00 WP	.250 LB/AC	PRE						
9A	RE 40885	50.00 WP	.500 LB/AC	PPI	0	90	60	73	83	80
9B	RE 40885	50.00 WP	.250 LB/AC	PRE						
10A	RE 40885	50.00 WP	.250 LB/AC	PRE	0	83	47	67	77	37
10B	ATRAZINE	4.00 L	1.500 LB/AC	PRE						
11A	RE 40885	50.00 WP	.500 LB/AC	PRE	0	90	57	60	73	53
11B	METOLACHLOR	8.00 E	2.000 LB/AC	PRE						
12	S-63596	.89 L	.045 LB/AC	PRE	0	87	57	60	80	47
13	S-63596	.89 L	.045 LB/AC	MP	20	87	63	50	77	17
14	S-63596	.89 L	.067 LB/AC	PRE	0	87	57	43	50	53
15	S-63596	.89 L	.067 LB/AC	MP	23	87	23	30	67	13
16	S-63596	.89 L	.089 LB/AC	PRE	0	87	53	57	77	27
17	S-63596	.89 L	.089 LB/AC	MP	17	83	50	33	80	23
18	CHECK (CULTIVATED)	.00 CK	.000		0	100	100	100	100	100
LSD(05) :					10	14	NS	37	NS	37



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8020 WEED CONTROL IN GRAIN SORGHUM

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 250 N, 60 P, 60 K	PH: 6.5 O.M.: 3.0%
DATE PLANTED: MAY 25	DATE TREATED: PPI MAY 25
VARIETY:	PRE MAY 25
	MP JUNE 23

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8146 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
1A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	52	30	22	12
1B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
1C	V9360	72.00 DF	.031	LB/AC 3LF					
1D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
2A	ATRAZINE	4.00 L	1.000	LB/AC PRE	78	58	35	22	10
2B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
2C	V9360	72.00 DF	.047	LB/AC 3LF					
2D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
3A	ATRAZINE	4.00 L	1.000	LB/AC PRE	82	55	38	25	18
3B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
3C	V9360	72.00 DF	.063	LB/AC 3LF					
3D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
4A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	82	75	70	60
4B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
4C	V9360	72.00 DF	.016	LB/AC 3LF					
4D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
4E	V9360	72.00 DF	.016	LB/AC REG					
4F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
5A	ATRAZINE	4.00 L	1.000	LB/AC PRE	90	85	75	70	65
5B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
5C	V9360	72.00 DF	.031	LB/AC 3LF					
5D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
5E	V9360	72.00 DF	.031	LB/AC REG					
5F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
6A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	70	52	38	30
6B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
6C	V9360	72.00 DF	.031	LB/AC 6LF					
6D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
7A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	70	68	45	38
7B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
7C	V9360	72.00 DF	.047	LB/AC 6LF					
7D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
8A	ATRAZINE	4.00 L	1.000	LB/AC PRE	82	70	65	48	40
8B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
8C	V9360	72.00 DF	.063	LB/AC 6LF					
8D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8146 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
9A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	80	78	65	55
9B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
9C	V9360	72.00 DF	.016	LB/AC 6LF					
9D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
9E	V9360	72.00 DF	.016	LB/AC REG					
9F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
10A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	78	78	65	62
10B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
10C	V9360	72.00 DF	.031	LB/AC 6LF					
10D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
10E	V9360	72.00 DF	.031	LB/AC REG					
10F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
11A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	70	68	58	58
11B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
11C	V9360	72.00 DF	.031	LB/AC 9LF					
11D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
12A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	78	72	62	62
12B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
12C	V9360	72.00 DF	.047	LB/AC 9LF					
12D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
13A	ATRAZINE	4.00 L	1.000	LB/AC PRE	88	78	78	70	68
13B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
13C	V9360	72.00 DF	.063	LB/AC 9LF					
13D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
14A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	78	72	65	65
14B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
14C	V9360	72.00 DF	.016	LB/AC 9LF					
14D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
14E	V9360	72.00 DF	.016	LB/AC REG					
14F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
15A	ATRAZINE	4.00 L	1.000	LB/AC PRE	85	80	78	75	75
15B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
15C	V9360	72.00 DF	.031	LB/AC 9LF					
15D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
15E	V9360	72.00 DF	.031	LB/AC REG					
15F	X-77 (SURFACTANT)	.50 WA	.250	% REG					

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8146 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
16A	ATRAZINE	4.00 L	1.000	LB/AC PRE	70	28	15	10	0
16B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
16C	CGA 136872	75.00 WG	.018	LB/AC 3LF					
16D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
17A	ATRAZINE	4.00 L	1.000	LB/AC PRE	68	40	15	8	2
17B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
17C	CGA 136872	75.00 WG	.026	LB/AC 3LF					
17D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
18A	ATRAZINE	4.00 L	1.000	LB/AC PRE	78	42	20	12	8
18B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
18C	CGA 136872	75.00 WG	.036	LB/AC 3LF					
18D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
19A	ATRAZINE	4.00 L	1.000	LB/AC PRE	78	58	40	22	18
19B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
19C	CGA 136872	75.00 WG	.009	LB/AC 3LF					
19D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
19E	CGA 136872	75.00 WG	.009	LB/AC REG					
19F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
20A	ATRAZINE	4.00 L	1.000	LB/AC PRE	78	62	42	25	18
20B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
20C	CGA 136872	75.00 WG	.018	LB/AC 3LF					
20D	X-77 (SURFACTANT)	.50 WA	.250	% 3LF					
20E	CGA 136872	75.00 WG	.018	LB/AC REG					
20F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
21A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	45	25	5	2
21B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
21C	CGA 136872	75.00 WG	.018	LB/AC 6LF					
21D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
22A	ATRAZINE	4.00 L	1.000	LB/AC PRE	82	50	28	15	10
22B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
22C	CGA 136872	75.00 WG	.026	LB/AC 6LF					
22D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
23A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	50	28	10	5
23B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
23C	CGA 136872	75.00 WG	.036	LB/AC 6LF					
23D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8146 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
24A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	55	30	15	8
24B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
24C	CGA 136872	75.00 WG	.009	LB/AC 6LF					
24D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
24E	CGA 136872	75.00 WG	.009	LB/AC REG					
24F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
25A	ATRAZINE	4.00 L	1.000	LB/AC PRE	90	62	32	18	10
25B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
25C	CGA 136872	75.00 WG	.018	LB/AC 6LF					
25D	X-77 (SURFACTANT)	.50 WA	.250	% 6LF					
25E	CGA 136872	75.00 WG	.018	LB/AC REG					
25F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
26A	ATRAZINE	4.00 L	1.000	LB/AC PRE	42	30	15	12	0
26B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
26C	CGA 136872	75.00 WG	.018	LB/AC 9LF					
26D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
27A	ATRAZINE	4.00 L	1.000	LB/AC PRE	48	38	20	10	0
27B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
27C	CGA 136872	75.00 WG	.026	LB/AC 9LF					
27D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
28A	ATRAZINE	4.00 L	1.000	LB/AC PRE	42	35	18	10	2
28B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
28C	CGA 136872	75.00 WG	.036	LB/AC 9LF					
28D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
29A	ATRAZINE	4.00 L	1.000	LB/AC PRE	52	45	32	20	12
29B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
29C	CGA 136872	75.00 WG	.009	LB/AC 9LF					
29D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
29E	CGA 136872	75.00 WG	.009	LB/AC REG					
29F	X-77 (SURFACTANT)	.50 WA	.250	% REG					
30A	ATRAZINE	4.00 L	1.000	LB/AC PRE	52	40	35	22	12
30B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
30C	CGA 136872	75.00 WG	.018	LB/AC 9LF					
30D	X-77 (SURFACTANT)	.50 WA	.250	% 9LF					
30E	CGA 136872	75.00 WG	.018	LB/AC REG					
30F	X-77 (SURFACTANT)	.50 WA	.250	% REG					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8146 JOHNSONGRASS CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
31	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0
LSD(05):					9	11	10	12	14

LOCATION: PRINCETON  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 12  
 VARIETY: PIONEER 3165

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.0 O.M.: 1.7%  
 DATE TREATED: PRE MAY 12  
 3LF MAY 26  
 REG JUNE 9  
 6LF JUNE 2  
 REG JUNE 16  
 9LF JUNE 9  
 REG JUNE 24

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8143 JOHNSONGRASS CONTROL IN CORN II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
1A	ATRAZINE	4.00 L	1.000	LB/AC PRE	70	50	17	10	0
1B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
1C	V9360	72.00 DF	.008	LB/AC 5LF					
2A	ATRAZINE	4.00 L	1.000	LB/AC PRE	70	60	27	13	3
2B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
2C	V9360	72.00 DF	.016	LB/AC 5LF					
3A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	63	53	30	13
3B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
3C	V9360	72.00 DF	.032	LB/AC 5LF					
4A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	77	67	47	30
4B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
4C	V9360	72.00 DF	.064	LB/AC 5LF					
5A	ATRAZINE	4.00 L	1.000	LB/AC PRE	70	43	23	13	3
5B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
5C	V9360	72.00 DF	.008	LB/AC 5LF					
5D	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
6A	ATRAZINE	4.00 L	1.000	LB/AC PRE	67	60	33	20	20
6B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
6C	V9360	72.00 DF	.016	LB/AC 5LF					
6D	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
7A	ATRAZINE	4.00 L	1.000	LB/AC PRE	77	63	40	37	23
7B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
7C	V9360	72.00 DF	.032	LB/AC 5LF					
7D	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
8A	ATRAZINE	4.00 L	1.000	LB/AC PRE	87	77	63	50	33
8B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
8C	V9360	72.00 DF	.064	LB/AC 5LF					
8D	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
9A	ATRAZINE	4.00 L	1.000	LB/AC PRE	67	60	37	20	10
9B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
9C	V9360	72.00 DF	.008	LB/AC 5LF					
9D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
10A	ATRAZINE	4.00 L	1.000	LB/AC PRE	73	63	47	23	20
10B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
10C	V9360	72.00 DF	.016	LB/AC 5LF					
10D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8143 JOHNSONGRASS CONTROL IN CORN II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
11A	ATRAZINE	4.00 L	1.000	LB/AC PRE	83	73	70	70	53
11B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
11C	V9360	72.00 DF	.032	LB/AC 5LF					
11D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
12A	ATRAZINE	4.00 L	1.000	LB/AC PRE	87	77	67	57	40
12B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
12C	V9360	72.00 DF	.064	LB/AC 5LF					
12D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
13A	ATRAZINE	4.00 L	1.000	LB/AC PRE	73	67	43	23	10
13B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
13C	V9360	72.00 DF	.008	LB/AC 5LF					
13D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
13E	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
14A	ATRAZINE	4.00 L	1.000	LB/AC PRE	83	70	63	47	27
14B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
14C	V9360	72.00 DF	.016	LB/AC 5LF					
14D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
14E	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
15A	ATRAZINE	4.00 L	1.000	LB/AC PRE	87	70	57	47	37
15B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
15C	V9360	72.00 DF	.032	LB/AC 5LF					
15D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
15E	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
16A	ATRAZINE	4.00 L	1.000	LB/AC PRE	90	80	70	60	47
16B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
16C	V9360	72.00 DF	.064	LB/AC 5LF					
16D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
16E	LIQUID FERTILIZER	.00 AD	4.000	QT/AC 5LF					
17A	ATRAZINE	4.00 L	1.000	LB/AC PRE	70	60	37	10	0
17B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
17C	V9360	72.00 DF	.008	LB/AC 5LF					
17D	OIL CONCENTRATE	.00 AD	1.000	QT/AC 5LF					
18A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	70	63	43	20
18B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
18C	V9360	72.00 DF	.016	LB/AC 5LF					
18D	OIL CONCENTRATE	.00 AD	1.000	QT/AC 5LF					
19A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	73	57	50	23
19B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8143 JOHNSONGRASS CONTROL IN CORN II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
20A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	83	73	67	47	40
20B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
20C	V9360	72.00 DF	.064 LB/AC	5LF					
20D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF					
21A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	77	67	50	30	13
21B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
21C	V9360	72.00 DF	.008 LB/AC	5LF					
21D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF					
21E	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF					
22A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	87	73	60	47	27
22B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
22C	V9360	72.00 DF	.016 LB/AC	5LF					
22D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF					
22E	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF					
23A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	83	77	67	47	30
23B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
23C	V9360	72.00 DF	.032 LB/AC	5LF					
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF					
23E	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF					
24A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	87	80	67	57	40
24B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
24C	V9360	72.00 DF	.064 LB/AC	5LF					
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF					
24E	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF					
25	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0
			LSD (05):		8	10	12	13	13

LOCATION: PRINCETON  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 12  
 VARIETY: PIONEER 3165

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.5 O.M.: 2.0%  
 DATE TREATED: PRE MAY 12  
 5LF JUNE 1

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8142 JOHNSONGRASS CONTROL IN CORN IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
1A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	87	73	60	43	40
1B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
1C	V9360	72.00 DF	.016 LB/AC	5LF					
1D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF					
2A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	87	73	70	57	30
2B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
2C	V9360	72.00 DF	.031 LB/AC	5LF					
2D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF					
3A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	90	73	63	43	23
3B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
3C	V9360	72.00 DF	.063 LB/AC	5LF					
3D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF					
4A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	80	73	60	43	27
4B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
4C	V9360	72.00 DF	.031 LB/AC	5LF					
4D	DICAMBA	4.00 S	.250 LB/AC	5LF					
5A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	90	77	63	47	33
5B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
5C	V9360	72.00 DF	.031 LB/AC	5LF					
5D	2,4-D ESTER	4.00 E	.500 LB/AC	5LF					
6A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	83	73	60	43	23
6B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
6C	V9360	72.00 DF	.031 LB/AC	5LF					
6D	DICAMBA	4.00 S	.250 LB/AC	5LF					
6E	2,4-D ESTER	4.00 E	.250 LB/AC	5LF					
7A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	90	80	73	50	40
7B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
7C	V9360	72.00 DF	.031 LB/AC	5LF					
7D	BROMOXYNIL 2	2.00 E	.750 LB/AC	5LF					
8A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	87	73	63	43	27
8B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
8C	V9360	72.00 DF	.031 LB/AC	5LF					
8D	ATRAZINE	4.00 L	1.500 LB/AC	5LF					
9A	ATRAZINE	4.00 L	1.000 LB/AC	PRE	80	60	30	20	13
9B	CYANAZINE	80.00 WP	2.000 LB/AC	PRE					
9C	V9360	72.00 DF	.031 LB/AC	5LF					
9D	CYANAZINE	90.00 DF	1.500 LB/AC	5LF					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8142 JOHNSONGRASS CONTROL IN CORN IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
10A	ATRAZINE	4.00 L	1.000	LB/AC PRE	77	50	17	13	3
10B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
10C	CGA 136872	75.00 WG	.018	LB/AC 5LF					
10D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
11A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	47	33	20	7
11B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
11C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
11D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
12A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	53	20	10	0
12B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
12C	CGA 136872	75.00 WG	.035	LB/AC 5LF					
12D	X-77 (SURFACTANT)	.50 WA	.250	% 5LF					
13A	ATRAZINE	4.00 L	1.000	LB/AC PRE	53	30	13	10	0
13B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
13C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
13D	DICAMBA	4.00 S	.250	LB/AC 5LF					
14A	ATRAZINE	4.00 L	1.000	LB/AC PRE	73	50	33	20	7
14B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
14C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
14D	2,4-D ESTER	4.00 E	.500	LB/AC 5LF					
15A	ATRAZINE	4.00 L	1.000	LB/AC PRE	77	53	23	13	10
15B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
15C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
15D	DICAMBA	4.00 S	.250	LB/AC 5LF					
15E	2,4-D ESTER	4.00 E	.250	LB/AC 5LF					
16A	ATRAZINE	4.00 L	1.000	LB/AC PRE	87	50	27	13	3
16B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
16C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
16D	BROMOXYNIL 2	2.00 E	.750	LB/AC 5LF					
17A	ATRAZINE	4.00 L	1.000	LB/AC PRE	80	60	23	10	0
17B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
17C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
17D	ATRAZINE	4.00 L	1.500	LB/AC 5LF					
18A	ATRAZINE	4.00 L	1.000	LB/AC PRE	73	33	13	7	0
18B	CYANAZINE	80.00 WP	2.000	LB/AC PRE					
18C	CGA 136872	75.00 WG	.026	LB/AC 5LF					
18D	CYANAZINE	90.00 DF	1.500	LB/AC 5LF					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE C8142 JOHNSONGRASS CONTROL IN CORN IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	2 WK JOGR	4 WK JOGR	6 WK JOGR	8 WK JOGR	10 W JOGR
19	CHECK (UNCULTIVATED)	.00 CK	.000		0	0	0	0	0
				LSD(05):	7	12	12	11	13

LOCATION: PRINCETON  
 FERTILIZATION (LB/AC): 250 N, 60 P, 60 K  
 DATE PLANTED: MAY 12  
 VARIETY: PIONEER 3165

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.5 O.M.: 1.0%  
 DATE TREATED: PRE MAY 12  
 5LF JUNE 1

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8102 SOYBEAN JOHNSONGRASS PPI & PRE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
1	ALACHLOR	4.00 MT	3.000 LB/AC	PRE	0	27	0	10
2	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	0	40	0	43
3A	TRIFLURALIN	4.00 E	1.000 LB/AC	PPI	10	47	0	47
3B	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI				
4	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	47	0	20
5A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	3	53	0	17
5B	IMAZAQUIN	1.50 AS	.063 LB/AC	EP				
5C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
6A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	73	0	83
6B	IMAZAQUIN	1.50 AS	.063 LB/AC	EP				
6C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
6D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J				
6E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
7A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	70	0	87
7B	IMAZAQUIN	1.50 AS	.063 LB/AC	EP				
7C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
7D	FLUAZIFOP-BUYTL	1.00 E	.235 LB/AC	18J				
7E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
8A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	3	73	0	87
8B	IMAZAQUIN	1.50 AS	.063 LB/AC	EP				
8C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
8D	FLUAZIFOP-BUYTL	1.00 E	.280 LB/AC	18J				
8E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
9A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	0	40	0	63
9B	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J				
9C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
10A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	3	73	0	87
10B	FLUAZIFOP-BUYTL	1.00 E	.235 LB/AC	18J				
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
11A	IMAZAQUIN	1.50 AS	.125 LB/AC	PPI	7	63	0	87
11B	FLUAZIFOP-BUYTL	1.00 E	.280 LB/AC	18J				
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
12A	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE	10	83	0	70
12B	RE 45601	2.00 EC	.125 LB/AC	4LF				
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8102 SOYBEAN JOHNSONGRASS PPI & PRE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
13A	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI	0	67	0	73
13B	IMAZETHAPYR	2.00 AS	.063 LB/AC	EP				
13C	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
13D	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J				
13E	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
14A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	10	60	0	87
14B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI				
14C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J				
14D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
15	FMC 57020	4.00 EC	1.000 LB/AC	PPI	0	30	0	33
16	FMC 57020	4.00 EC	1.000 LB/AC	PRE	3	33	0	7
LSD (05):					NS	20	0	19

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 18 DATE TREATED: PPI MAY 18  
 VARIETY: WILLIAMS 82 PRE MAY 18  
 4LF JUNE 9  
 EP JUNE 10  
 18J JUNE 17

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
1A	IMAZAQUIN	1.50 AS	.060 LB/AC	EP	0	50	0	10
1B	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
2A	IMAZAQUIN	1.50 AS	.063 LB/AC	EP	0	70	0	70
2B	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
2C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J				
2D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
3A	IMAZAQUIN	1.50 AS	.063 LB/AC	EP	0	80	0	80
3B	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
3C	FLUAZIFOP-BUYTL	1.00 E	.235 LB/AC	18J				
3D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
4A	IMAZAQUIN	1.50 AS	.063 LB/AC	EP	0	77	0	80
4B	X-77 (SURFACTANT)	.50 WA	.250 %	EP				
4C	FLUAZIFOP-BUYTL	1.00 E	.280 LB/AC	18J				
4D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
5A	FLUAZIFOP-BUYTL	1.00 E	.156 LB/AC	18J	0	67	0	60
5B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
6A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J	0	73	0	80
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
7A	FLUAZIFOP-BUYTL	1.00 E	.235 LB/AC	18J	0	70	0	73
7B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
8A	FLUAZIFOP-BUYTL	1.00 E	.280 LB/AC	18J	0	63	0	80
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
9A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J	0	67	0	90
9B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
9C	FLUAZIFOP-BUYTL	1.00 E	.125 LB/AC	12J				
9D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	12J				
10A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J	0	70	0	57
10B	CHLORIMURON	25.00 DF	.008 LB/AC	18J				
10C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
11A	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J	0	67	0	67
11B	CHLORIMURON	25.00 DF	.012 LB/AC	18J				
11C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
12A	FLUAZIFOP-BUYTL	1.00 E	.235 LB/AC	18J	0	73	0	70
12B	CHLORIMURON	25.00 DF	.008 LB/AC	18J				
12C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
13A	FLUAZIFOP-BUYTL	1.00 E	.235 LB/AC	18J	0	67	0	63
13B	CHLORIMURON	25.00 DF	.012 LB/AC	18J				
13C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
14A	FLUAZIFOP-BUYTL	1.00 E	.280 LB/AC	18J	0	63	0	70
14B	CHLORIMURON	25.00 DF	.008 LB/AC	18J				
14C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
15A	FLUAZIFOP-BUYTL	1.00 E	.280 LB/AC	18J	0	77	0	80
15B	CHLORIMURON	25.00 DF	.012 LB/AC	18J				
15C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
16A	CHLORIMURON	25.00 DF	.008 LB/AC	18J	0	37	0	30
16B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
17A	CHLORIMURON	25.00 DF	.012 LB/AC	18J	0	50	0	10
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
18A	CHLORIMURON	25.00 DF	.012 LB/AC	MP	0	73	0	67
18B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
18C	FLUAZIFOP-BUYTL	1.00 E	.188 LB/AC	18J				
18D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	18J				
19A	SETHOXYDIM	1.53 EC	.280 LB/AC	8J	0	83	0	53
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J				
20A	QUIZALOFOP	.80 L	.125 LB/AC	12J	0	90	0	73
20B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	12J				
21A	RE 45601	2.00 EC	.075 LB/AC	4LF	0	53	0	47
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF				
22A	RE 45601	2.00 EC	.125 LB/AC	4LF	0	60	0	30
22B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF				
23A	RE 45601	2.00 EC	.075 LB/AC	4LF	0	90	0	90
23B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF				
23C	RE 45601	2.00 EC	.075 LB/AC	1LF				
23D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	1LF				
24A	RE 45601	2.00 EC	.125 LB/AC	4LF	0	87	0	87
24B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4LF				
24C	RE 45601	2.00 EC	.125 LB/AC	1LF				
24D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	1LF				



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	JOGR	CRIN	JOGR
25A	RE 45601	2.00 EC	.250 LB/AC	3"G	0	90	0	90
25B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3"G				
25C	RE 45601	2.00 EC	.250 LB/AC	5"G				
25D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5"G				
26A	HOE 46360	.62 E	.075 LB/AC	15J	0	80	0	90
26B	HOE 46360	.62 E	.050 LB/AC	15J				
27A	RO 17 3664	2.00 E	.120 LB/AC	8J	0	90	0	67
27B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J				
28A	RO 17 3664	2.00 E	.060 LB/AC	8J	0	90	0	90
28B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	8J				
28C	RO 17 3664	2.00 E	.060 LB/AC	4J				
28D	OIL CONCENTRATE	.00 AD	1.000 QT/AC	4J				

LSD(05): 0 10 0 14

LOCATION: PRINCETON  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K  
 DATE PLANTED: MAY 18  
 VARIETY: WILLIAMS 82

SOIL TYPE: CRIDER SILT LOAM  
 PH: 6.9 O.M.: 2.0%  
 DATE TREATED: 3"G, 4LF MAY 31  
 8J, EP JUNE 6  
 MP, 1LF JUNE 9  
 12J JUNE 10  
 15J, 5"G JUNE 12  
 18J JUNE 13  
 4J JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK			-----8 WEEK		
					CRIN	COLO	ILMG	CRIN	COLO	ILMG
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	97	57	0	93	63
1B	LACTOFEN	2.00 E	.200 LB/AC	COT						
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	93	57	0	87	43
2B	LACTOFEN	2.00 E	.200 LB/AC	EP						
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	97	50	0	97	13
3B	LACTOFEN	2.00 E	.200 LB/AC	EP						
3C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	100	63	0	93	23
4B	LACTOFEN	2.00 E	.200 LB/AC	EP						
4C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	100	60	0	93	30
5B	LACTOFEN	2.00 E	.200 LB/AC	EP						
5C	BENTAZON	4.00 E	.500 LB/AC	EP						
5D	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	97	53	0	93	23
6B	LACTOFEN	2.00 E	.200 LB/AC	EP						
6C	IMAZAQUIN	1.50 AS	.125 LB/AC	EP						
6D	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	23	90	47	0	77	40
7B	LACTOFEN	2.00 E	.200 LB/AC	V4						
7C	IMAZAQUIN	1.50 AS	.125 LB/AC	V4						
7D	X-77 (SURFACTANT)	.50 WA	.250 %	V4						
8A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	10	0	57	3	37	67
8B	X-77 (SURFACTANT)	.50 WA	.250 %	LP						
9A	IMAZETHAPYR	2.00 AS	.063 LB/AC	LP	10	33	57	10	30	77
9B	X-77 (SURFACTANT)	.50 WA	.250 %	LP						
9C	10 34 0	.00 AD	1.000 QT/AC	LP						
10A	IMAZETHAPYR	2.00 AS	.063 LB/AC	PPI	0	87	83	0	67	70
10B	PENDIMETHALIN	4.00 E	.750 LB/AC	PPI						
11	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	3	63	50	0	57	37
12A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	3	83	77	0	67	67
12B	CHLORIMURON	25.00 DF	.012 LB/AC	EP						
12C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK			-----8 WEEK		
					CRIN	COLQ	ILMG	CRIN	COLQ	ILMG
13A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	3	80	73	0	70	60
13B	CHLORIMURON	25.00 DF	.012 LB/AC	MP						
13C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
14A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	7	93	70	0	90	70
14B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	EP						
14C	OIL CONCENTRATE	.00 AD	.500 QT/AC	EP						
15A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	10	83	70	0	70	57
15B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	MP						
15C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
16A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	0	90	67	0	77	67
16B	BENTAZON	4.00 E	.750 LB/AC	EP						
16C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	EP						
17A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	3	93	70	0	73	43
17B	BENTAZON	4.00 E	.750 LB/AC	MP						
17C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	MP						
18A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	7	87	63	0	80	63
18B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP						
18C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	EP						
19A	TREFLAN + METRIBUZIN	4.00 EC	1.125 LB/AC	PPI	3	67	80	0	63	70
19B	IMAZAQUIN	1.50 AS	.030 LB/AC	MP						
19C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
20	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	0	100	40	0	93	13
21A	METALACHLOR + METRIB	8.00 EC	2.000 LB/AC	PRE	0	100	77	0	100	60
21B	BENTAZON	4.00 E	.750 LB/AC	EP						
21C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	EP						
22A	IMAZAQUIN	1.50 AS	.030 LB/AC	EP	0	40	40	0	13	17
22B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
23A	IMAZAQUIN	1.50 AS	.045 LB/AC	EP	0	33	53	0	27	23
23B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
24A	IMAZAQUIN	1.50 AS	.060 LB/AC	EP	0	40	40	0	10	33
24B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
25A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	7	43	63	0	23	33
25B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK			-----8 WEEK		
					CRIN	COLQ	ILMG	CRIN	COLQ	ILMG
26A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	10	67	67	0	43	40
26B	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
27A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	7	30	47	0	20	20
27B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP						
27C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
28A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	7	40	57	0	27	20
28B	IMAZAQUIN	1.50 AS	.045 LB/AC	EP						
28C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
29A	ACIFLUORFEN 2	2.00 L	.250 LB/AC	EP	7	30	50	0	3	13
29B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP						
29C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
30A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	10	70	73	0	73	53
30B	IMAZAQUIN	1.50 AS	.030 LB/AC	EP						
30C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
31A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	7	50	63	0	43	50
31B	IMAZAQUIN	1.50 AS	.045 LB/AC	EP						
31C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
32A	ACIFLUORFEN 2	2.00 L	.380 LB/AC	EP	7	20	73	0	27	30
32B	IMAZAQUIN	1.50 AS	.060 LB/AC	EP						
32C	X-77 (SURFACTANT)	.50 WA	.250 %	EP						
33A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	10	53	63	0	37	53
33B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
34A	FOMESAFEN	2.00 LC	.310 LB/AC	MP	10	70	63	0	33	37
34B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
35A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	13	53	63	0	23	40
35B	2,4-DB	2.00 E	.030 LB/AC	MP						
35C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						
36A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	20	67	83	0	47	57
36B	2,4-DB	2.00 E	.030 LB/AC	MP						
36C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
37A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	17	47	77	0	23	57
37B	2,4-DB	2.00 E	.030 LB/AC	MP						
37C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8117 MORNINGGLORY CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEK -----			-----8 WEEK -----		
					CRIN	COLQ	ILMG	CRIN	COLQ	ILMG
38A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	17	77	80	3	57	57
38B	2,4-DB	2.00 E	.030 LB/AC	MP						
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
39A	FOMESAFEN	2.00 LC	.188 LB/AC	MP	10	43	63	3	3	53
39B	CHLORIMURON	25.00 DF	.008 LB/AC	MP						
39C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
40A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	10	70	63	0	70	40
40B	CHLORIMURON	25.00 DF	.008 LB/AC	MP						
40C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
41A	FOMESAFEN	2.00 LC	.313 LB/AC	MP	10	67	70	0	43	53
41B	CHLORIMURON	25.00 DF	.008 LB/AC	MP						
41C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
42A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	10	70	73	0	37	57
42B	CHLORIMURON	25.00 DF	.008 LB/AC	MP						
42C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
42D	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP						
43A	FOMESAFEN	2.00 LC	.188 LB/AC	MP	10	73	63	0	37	20
43B	BENTAZON	4.00 E	.500 LB/AC	MP						
43C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
44A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	10	77	67	0	50	47
44B	BENTAZON	4.00 E	.500 LB/AC	MP						
44C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP						
45A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	10	0	53	0	0	13
45B	IMAZAQUIN	1.50 AS	.063 LB/AC	MP						
45C	X-77 (SURFACTANT)	.50 WA	.250 %	MP						
46A	FOMESAFEN	2.00 LC	.250 LB/AC	MP	10	87	90	0	87	77
46B	DASH	.00 AD	1.000 QT/AC	MP						
46C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	MP						

LSD(05): 7 30 16 2 28 37

LOCATION: PRINCETON SOIL TYPE: CRIDER SILT LOAM  
 FERTILIZATION (LB/AC): 0 N, 60 P, 60 K PH: 6.8 O.M.: 2.0%  
 DATE PLANTED: MAY 18 DATE TREATED: PPI MAY 18  
 VARIETY: WILLIAMS 82 PRE MAY 18  
 COT MAY 27  
 EP MAY 31  
 MP JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8114 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	VELE	CRIN	VELE
1A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	17	73	3	60
1B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
2A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	20	60	7	43
2B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
3A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	17	90	0	77
3B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
3C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	3LF				
4A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	30	63	3	43
4B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
4C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	5LF				
5A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	20	77	3	73
5B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
5C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	3LF				
6A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	33	73	3	67
6B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
6C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF				
7A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	20	67	0	57
7B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
7C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	3LF				
7D	X-77 (SURFACTANT)	.50 WA	.125 %	3LF				
8A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	23	70	0	50
8B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
8C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	5LF				
8D	X-77 (SURFACTANT)	.50 WA	.125 %	5LF				
9A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	17	83	3	73
9B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
9C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	3LF				
9D	X-77 (SURFACTANT)	.50 WA	.125 %	3LF				
10A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	37	77	7	67
10B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
10C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF				
11A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	20	77	0	70
11B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
11C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	3LF				
11D	X-77 (SURFACTANT)	.50 WA	.250 %	3LF				

## DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8114 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	VELE	CRIN	VELE
12A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	33	67	3	30
12B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
12C	LIQUID FERTILIZER	.00 AD	2.000 QT/AC	5LF				
12D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF				
13A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	20	87	3	80
13B	LACTOFEN	2.00 E	.200 LB/AC	3LF				
13C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	3LF				
13D	X-77 (SURFACTANT)	.50 WA	.250 %	3LF				
14A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	37	67	10	50
14B	LACTOFEN	2.00 E	.200 LB/AC	5LF				
14C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	5LF				
14D	X-77 (SURFACTANT)	.50 WA	.250 %	5LF				
15A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	87	0	83
15B	IMAZETHAPYR	2.00 AS	.063 LB/AC	3LF				
15C	X-77 (SURFACTANT)	.50 WA	.250 %	3LF				
16A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	80	3	83
16B	IMAZETHAPYR	2.00 AS	.063 LB/AC	5LF				
16C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF				
17A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	90	0	90
17B	IMAZETHAPYR	2.00 AS	.063 LB/AC	3LF				
17C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	3LF				
18A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	3	87	0	90
18B	IMAZETHAPYR	2.00 AS	.063 LB/AC	5LF				
18C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	5LF				
19A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	43	0	40
19B	IMAZAQUIN	1.50 AS	.125 LB/AC	PRE				
20A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	40	0	43
20B	IMAZAQUIN	1.50 AS	.125 LB/AC	3LF				
20C	X-77 (SURFACTANT)	.50 WA	.250 %	3LF				
21A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	63	3	63
21B	IMAZAQUIN	1.50 AS	.125 LB/AC	5LF				
21C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF				
22A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	67	0	77
22B	IMAZAQUIN	1.50 AS	.125 LB/AC	3LF				
22C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	3LF				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8114 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	VELE	CRIN	VELE
23A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	73	3	63
23B	IMAZAQUIN	1.50 AS	.125 LB/AC	5LF				
23C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	5LF				
24A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	90	0	80
24B	BENTAZON	4.00 E	1.000 LB/AC	3LF				
24C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	3LF				
25A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	93	3	93
25B	BENTAZON	4.00 E	1.000 LB/AC	5LF				
25C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	5LF				
26A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	10	63	0	57
26B	CHLORIMURON	25.00 DF	.008 LB/AC	3LF				
26C	X-77 (SURFACTANT)	.50 WA	.250 %	3LF				
27A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	13	70	0	67
27B	CHLORIMURON	25.00 DF	.008 LB/AC	5LF				
27C	X-77 (SURFACTANT)	.50 WA	.250 %	5LF				
28A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	67	0	33
28B	CHLORIMURON	25.00 DF	.008 LB/AC	3LF				
28C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	3LF				
29A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	80	0	60
29B	CHLORIMURON	25.00 DF	.008 LB/AC	5LF				
29C	LIQUID FERTILIZER	.00 AD	1.000 QT/AC	5LF				
30A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	0	100
30B	CHLORIMURON + METRIB	75.00 DF	.380 LB/AC	PRE				
31A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	0	100
31B	CHLORIMURON + METRIB	75.00 DF	.500 LB/AC	PRE				
32A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	100	3	100
32B	DPX 8259	60.00 DF	.600 LB/AC	PRE				
33A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	7	100	0	100
33B	DPX 8259	60.00 DF	.750 LB/AC	PRE				
34A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	0	100	0	100
34B	METRIBUZIN 1	4.00 F	.500 LB/AC	PRE				
35A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	27	73	3	57
35B	BENT + ACIFL 2.23:1	4.00 E	.750 LB/AC	MP				
35C	OIL CONCENTRATE	.00 AD	.500 QT/AC	MP				



DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8114 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEK --		--8 WEEK --	
					CRIN	VELE	CRIN	VELE
36A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	13	67	0	57
36B	FOMESAFEN	2.00 LC	.313 LB/AC	MP				
36C	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
37A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	13	67	3	43
37B	FOMESAFEN	2.00 LC	.250 LB/AC	MP				
37C	CHLORIMURON	25.00 DF	.008 LB/AC	MP				
37D	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
38A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	40	77	3	60
38B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
38C	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP				
39A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	30	83	0	67
39B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
39C	LIQUID FERTILIZER	.00 AD	4.000 QT/AC	MP				
40A	ALACHLOR	4.00 MT	2.500 LB/AC	PRE	30	60	7	40
40B	ACIFLUORFEN 2	2.00 L	.380 LB/AC	MP				
40C	2,4-DB	2.00 E	.030 LB/AC	MP				
40D	X-77 (SURFACTANT)	.50 WA	.250 %	MP				
41	FMC 57020	4.00 EC	.750 LB/AC	PPI	0	73	0	60
42	FMC 57020	4.00 EC	1.000 LB/AC	PPI	0	67	0	67
43	METALACHLOR + METRIB	8.00 EC	2.250 LB/AC	PRE	0	93	0	90
44	PENDAMETHALIN + IMAZ	2.33 EC	.870 LB/AC	PPI	3	77	3	57
LSD(05):					7	18	6	28

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 18 DATE TREATED: PPI MAY 18  
 VARIETY: WILLIAMS 82 PRE MAY 18  
 3LF JUNE 10  
 MP JUNE 15  
 5LF JUNE 15

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8032 SPECIES SCREENING

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					CUCU	PEPP	TOMA	BARL	WHEA	COTT	SOYB	SORG	CORN
1	S-53482	50.00 WP	.025 LB/AC	PRE	0	20	10	20	10	0	0	0	0
2A	S-53482	.83 L	.025 LB/AC	MP	95	90	100	70	60	95	75	35	45
2B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
3	S-53482	50.00 WP	.075 LB/AC	PRE	25	20	10	5	5	15	10	0	0
4A	S-53482	.83 L	.075 LB/AC	MP	100	90	95	60	60	100	85	35	45
4B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
5	S-53482	50.00 WP	.125 LB/AC	PRE	10	15	20	15	10	5	5	0	0
6A	S-53482	.83 L	.125 LB/AC	MP	100	90	100	70	65	100	75	25	35
6B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
7	SB-23121	.90 E	.025 LB/AC	PRE	10	35	25	10	10	0	0	0	10
8A	SB-23121	.90 E	.025 LB/AC	MP	90	90	80	55	45	95	60	20	25
8B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
9	SB-23121	.90 E	.075 LB/AC	PRE	10	65	40	15	15	30	5	0	5
10A	SB-23121	.90 E	.075 LB/AC	MP	100	90	90	65	50	100	80	30	25
10B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
11	SB-23121	.90 E	.125 LB/AC	PRE	10	45	50	25	10	0	5	0	0
12A	SB-23121	.90 E	.125 LB/AC	MP	100	90	95	70	60	100	75	55	40
12B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
13A	S-23031	.88 L	.025 LB/AC	MP	35	85	50	35	15	90	0	10	40
13B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
14A	S-23031	.88 L	.075 LB/AC	MP	60	90	60	15	10	95	25	15	15
14B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
15A	S-23031	.88 L	.125 LB/AC	MP	35	90	60	25	25	100	20	25	20
15B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
16	S-63596	.89 L	.025 LB/AC	PRE	0	5	5	10	0	0	0	0	0
17A	S-63596	.89 L	.025 LB/AC	MP	40	25	30	60	45	25	10	85	20
17B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
18	S-63596	.89 L	.075 LB/AC	PRE	20	10	0	10	5	0	5	0	0

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY

TABLE S8032 SPECIES SCREENING

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED -----								
					CUCU	PEPP	TOMA	BARL	WHEA	COTT	SOYB	SORG	CORN
19A	S-63596	.89 L	.075 LB/AC	MP	40	20	15	50	45	0	0	90	25
19B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
20	S-63596	.89 L	.125 LB/AC	PRE	15	15	15	20	5	5	0	5	0
21A	S-63596	.89 L	.125 LB/AC	MP	60	40	10	65	60	10	35	90	65
21B	OIL CONCENTRATE	.00 AD	1.000 QT/AC	MP									
LSD (05) :					27	20	29	24	26	11	21	24	23

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 6.5 O.M.: 3.5%

DATE PLANTED: MAY 26

DATE TREATED: PRE MAY 26

MP JUNE 10

PLANT HEIGHTS

CUCUMBER - 3"

PEPPER - 8"

TOMATO - 18"

BARLEY - 3LF

WHEAT - 3LF

COTTON - 4"

SOYBEAN - 2TR

SORGHUM - 4LF

CORN - 5LF