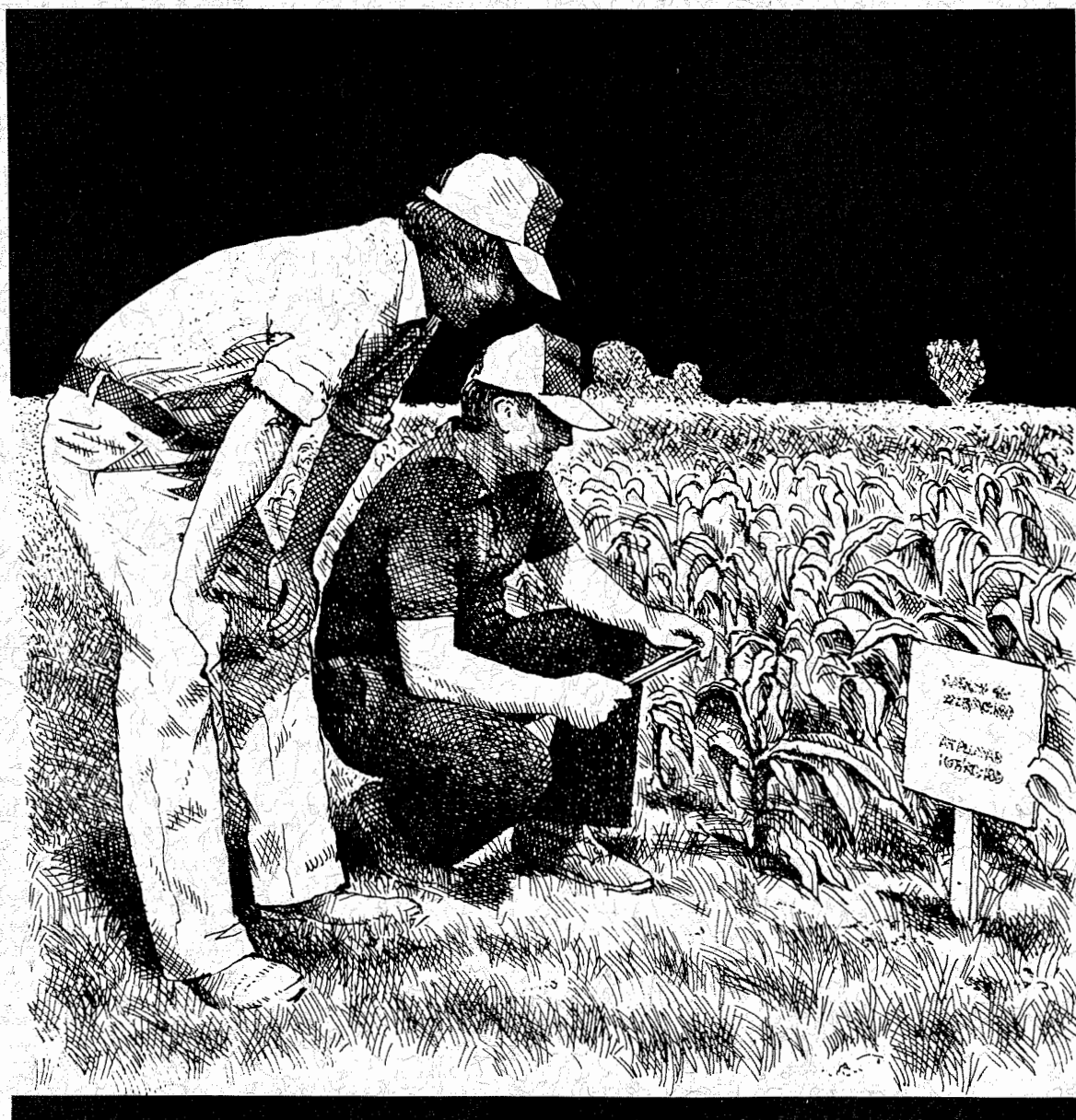


Herbicide Evaluation Trials - 1990

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

(Not for Publication)

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I. EXPERIMENTAL TECHNIQUES

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

II. ABBREVIATIONS

A. Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
AMARE	Redroot Pigweed	<i>Amaranthus retroflexus</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DATST	Jimsonweed	<i>Datura stramonium</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
HELAN	Common Sunflower	<i>Helianthus annuus</i>
HPPVU	Marestail	<i>Hippuris vulgaris</i>
IPOHE	Ivyleaf Morningglory	<i>Ipomoea hederaceae</i>
IPOLA	Pitted Morningglory	<i>Ipomoea lacunosa</i>
LACSE	Prickly Lettuce	<i>Lactuca serriola</i>
PHBPU	Tall Morningglory	<i>Ipomoea purpurea</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SIDSP	Prickly Sida	<i>Sida spinosa</i>
SOLNO	Eastern Black Nightshade	<i>Solanum pytcanthum</i>
SORHA	Johnsongrass	<i>Sorghum halepense</i>
SORVU	Shattercane	<i>Sorghum bicolor</i>
XANOR	Common cocklebur	<i>Xanthium pensylvanicum</i>

B. Miscellaneous

BBBBB	All Broadleaf Species
GGGGG	All Grass Species
CRIN	Crop Injury

C. Crop Growth Stages at Application

1. Corn

- 2LC — Two fully developed leaves formed
- 5LC — Five fully developed leaves formed
- 6LC — Six fully developed leaves formed
- 6LF — Six fully developed leaves formed

2. Soybeans

- COT — Cotyledons have emerged and are fully developed
- UN — Unifoliate stage of soybeans

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. EP — Early Postemergence; Weeds < 2"
5. MP — Mid-Postemergence; Weeds 2-4"
6. LP — Late Postemergence; Weeds 4-6"
7. +3D — Sequential Treatment applied 3 days after first application
8. +7D — Sequential Treatment applied 7 days after first application
9. +10D — Sequential Treatment applied 10 days after first application
10. 14D — Sequential Treatment applied 14 days after planting
11. 21D — Sequential Treatment applied 21 days after planting
12. 2LF — Two Leaf Grass
13. 3LF — Three Leaf Grass
14. 4LF — Four Leaf Grass
15. 3"G — Three Inch Grass
16. 6"G — Six Inch Grass
17. 9"G — Nine Inch Grass
18. 10J — Ten Inch Johnsongrass
19. TIL — Tillering stage of Wheat or Rye
20. BT — Boot stage of Wheat or Rye

III A. May Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
						HI	LO	HI	LO	
5/ 1/90	77	42	.56	94	87	64	60	74	56	.13
5/ 2/90	57	40	.22	98	64	60	57	58	52	.05
5/ 3/90	69	45	.02	99	75	60	56	60	52	.02
5/ 4/90	79	55	.81	100	60	61	57	66	57	.05
5/ 5/90	52	43	.04	100	73	64	57	65	56	.06
5/ 6/90	60	44	.30	92	54	58	55	60	55	.08
5/ 7/90	70	49	.00	89	42	63	55	67	54	.18
5/ 8/90	76	47	.00	79	41	61	58	70	51	.25
5/ 9/90	72	56	.03	95	58	61	61	67	57	.24
5/10/90	63	47	.07	90	39	61	59	64	53	.23
5/11/90	66	36	.00	93	32	61	57	70	47	.21
5/12/90	67	48	.12	95	46	59	58	68	54	.09
5/13/90	68	53	.15	94	67	60	58	64	56	.12
5/14/90	76	50	.00	94	53	64	60	74	56	.15
5/15/90	78	58	.11	98	70	65	63	72	59	.18
5/16/90	79	59	.28	99	74	64	63	71	60	.10
5/17/90	75	59	.61	94	33	65	64	72	62	.08
5/18/90	75	46	.00	72	30	65	60	73	52	.31
5/19/90	80	56	.00	95	37	65	61	74	60	.27
5/20/90	75	62	.02	98	66	65	65	72	63	.21
5/21/90	75	57	1.15	98	74	66	64	71	62	.15
5/22/90	62	46	.00	92	78	67	64	67	54	.05
5/23/90	71	38	.00	98	44	63	60	72	52	.10
5/24/90	75	50	.00	97	50	66	63	73	58	.16
5/25/90	75	55	.01	96	67	66	65	72	61	.18
5/26/90	77	64	.12	100	82	67	65	70	63	.06
5/27/90	77	58	.00	100	74	69	66	72	62	.15
5/28/90	68	55	1.66	100	89	69	64	71	61	.11
5/29/90	74	53	.24	90	50	66	63	68	58	.20
5/30/90	71	48	.00	98	36	67	64	70	57	.20
5/31/90	75	43	.00	52	34	71	65	79	54	.22

6.52

71.4 50.4

III A. June Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
			HI			LO	HI	LO		
6/ 1/90	81	56	.00	94	66	71	67	75	58	.26
6/ 2/90	80	64	.22	100	84	71	67	74	62	.07
6/ 3/90	79	58	1.55	100	48	72	64	78	63	.07
6/ 4/90	77	46	.00	96	70	71	67	75	58	.26
6/ 5/90	71	38	.00	100	42	67	64	72	53	.15
6/ 6/90	83	56	.29	74	54	71	67	80	59	.32
6/ 7/90	85	58	.82	76	68	70	66	76	63	.20
6/ 8/90	88	67	.00	80	64	74	70	80	68	.31
6/ 9/90	85	65	.00	83	74	74	72	79	68	.26
6/10/90	82	58	.07	80	50	74	72	78	66	.31
6/11/90	78	54	.00	68	58	75	70	83	67	.41
6/12/90	83	56	.00	90	46	85	70	84	62	.15
6/13/90	87	61	.00	78	47	75	71	84	66	.37
6/14/90	88	68	.90	78	60	77	70	76	72	.22
6/15/90	84	66	.00	78	64	76	73	82	70	.27
6/16/90	88	67	.00	80	63	78	74	86	70	.33
6/17/90	90	72	.00	78	66	80	79	90	70	.30
6/18/90	88	68	.02	80	52	78	76	86	72	.23
6/19/90	85	64	.00	76	36	77	73	86	70	.37
6/20/90	83	62	.07	76	54	76	72	84	69	.11
6/21/90	95	66	.00	80	40	76	73	88	68	.26
6/22/90	81	63	.64	75	54	78	73	89	70	.37
6/23/90	80	60	.05	77	54	74	71	75	62	.20
6/24/90	78	58	.00	82	47	75	70	80	62	.26
6/25/90	82	50	.00	77	34	74	69	84	60	.26
6/26/90	84	52	.00	70	30	76	70	82	68	.31
6/27/90	88	64	.00	67	40	77	73	88	70	.24
6/28/90	91	63	.00	74	38	78	73	90	70	.32
6/29/90	90	69	.00	70	47	78	74	93	70	.30
6/30/90	89	73	.00	78	64	76	74	86	74	.28

4.63

84.1 60.7

III A. July Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO		
7/01/90	88	67	0.00	78	44	77	74	89	73	0.34
7/03/90	90	57	0.00	72	34	78	72	91	68	.34
07/04/90	92	71	0.00	68	44	79	75	90	74	0.40
07/05/90	84	70	0.76	72	56	79	75	88	75	0.35
07/06/90	84	67	0.00	75	53	81	76	87	73	0.26
07/07/90	82	58	0.00	76	43	80	74	90	67	0.30
07/08/90	94	60	0.00	74	45	80	75	92	70	0.29
07/09/90	95	60	0.00	84	46	82	78	95	76	0.36
07/10/90	95	74	0.00	84	48	82	78	94	79	0.34
07/11/90	92	70	0.04	74	50	84	79	94	76	0.28
07/12/90	78	70	0.65	78	78	83	75	79	73	0.16
07/13/90	76	66	0.45	79	78	82	74	79	70	0.16
07/14/90	77	67	1.76	81	79	77	73	79	69	0.16
07/15/90	74	58	0.00	82	62	75	71	77	64	0.19
07/16/90	84	60	0.00	82	40	76	71	82	67	0.24
07/17/90	86	61	0.00	100	44	76	73	86	79	0.28
07/18/90	88	62	0.00	100	40	80	73	89	78	0.29
07/19/90	88	67	0.00	100	48	81	74	90	77	0.27
07/20/90	87	70	0.07	100	60	79	75	90	73	0.34
07/21/90	84	68	0.34	100	67	79	76	82	72	0.21
07/22/90	84	69	0.58	100	74	78	75	79	70	0.22
07/23/90	78	65	0.02	100	60	79	74	80	68	0.12
07/24/90	83	62	0.00	100	48	78	73	82	66	0.21
7/25/90	83	60	0.00	100	43	78	74	86	67	0.26
07/26/90	85	64	0.00	100	50	79	74	89	66	0.25
07/27/90	89	61	0.00	100	50	83	75	92	75	0.30
07/28/90	90	65	0.00	100	50	84	75	95	75	0.32
07/29/90	91	65	0.00	100	38	85	79	91	76	0.32
07/30/90	78	65	0.17	100	44	84	77	90	74	0.14
07/31/90	84	66	0.00	99	50	81	76	86	70	0.15

4.84

85.9

64.6

III A. August Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO		
08/01/90	78	61	0.00	100	50	79	74	86	66	0.15
08/02/90	84	60	0.00	100	50	82	72	87	66	0.21
08/03/90	85	62	0.00	100	42	80	74	95	68	0.17
08/04/90	89	72	0.15	99	55	80	74	90	67	0.37
08/05/90	87	70	0.00	99	80	79	73	85	67	0.25
08/06/90	76	64	0.03	99	46	77	72	76	66	0.16
08/07/90	76	51	0.00	99	48	74	68	74	63	0.21
08/08/90	79	56	0.00	100	44	76	68	82	62	0.21
08/09/90	85	63	0.00	100	56	75	70	84	66	0.19
08/10/90	84	63	0.32	100	60	75	71	84	68	0.20
08/11/90	86	61	0.00	100	40	76	71	83	65	0.16
08/12/90	88	62	0.00	100	44	76	73	88	68	0.22
08/13/90	76	69	0.20	100	88	76	74	80	73	0.04
08/14/90	85	67	0.00	100	52	76	72	83	67	0.18
08/15/90	83	63	0.00	100	50	76	72	84	67	0.13
08/16/90	86	66	0.00	100	46	77	73	88	68	0.19
08/17/90	82	68	.00	100	68	77	74	85	72	0.10
08/18/90	93	69	0.00	100	46	79	74	89	70	0.20
08/19/90	95	72	0.00	100	42	79	75	92	73	0.28
08/20/90	95	70	0.00	100	40	80	75	93	74	0.28
08/21/90	89	71	1.84	100	68	81	77	91	73	0.05
08/22/90	77	71	0.40	100	100	77	75	77	72	0.05
08/23/90	76	69	0.02	100	80	75	73	75	70	0.10
08/24/90	83	68	0.00	100	59	76	73	81	70	0.13
08/25/90	85	64	0.00	100	54	76	73	86	69	0.22
08/26/90	90	66	0.00	100	48	78	74	90	70	0.26
08/27/90	92	66	0.00	100	42	80	75	93	70	0.25
08/28/90	93	67	0.00	100	40	80	76	93	72	0.29
08/29/90	76	67	2.25	100	78	80	73	90	69	0.05
08/30/90	86	66	.00	100	48	75	72	82	67	0.12
08/31/90	84	64	0.00	100	60	75	72	82	67	0.14

5.21

84.6 65.4

III A. September Climatological Data, Spindletop

	TEMP		PCPN	RH		SOILTEMP				EVAP
	HI	LO		HI	LO	GRASS		BARE		
					HI	LO	HI	LO		
09/01/90	88	70	0.00	100	58	79	74	86	69	0.20
09/02/90	90	70	0.00	100	54	80	75	89	70	0.22
09/03/90	90	72	0.00	100	48	80	76	91	70	0.23
09/04/90	87	60	0.00	100	47	80	74	91	71	0.21
09/05/90	91	64	0.00	100	54	78	74	90	70	0.19
09/06/90	92	74	0.00	100	72	79	75	92	73	0.27
09/07/90	93	76	0.08	100	54	78	77	90	74	0.26
09/08/90	79	70	0.23	100	82	79	75	87	72	0.12
09/09/90	84	70	0.32	100	64	77	75	80	71	0.13
09/10/90	82	62	.00	100	70	76	74	79	69	0.08
09/11/90	82	70	-1.00	100	82	77	74	79	69	0.06
09/12/90	79	70	-1.00	100	82	76	75	79	71	0.07
09/13/90	80	71	0.02	100	82	76	74	79	69	0.08
09/14/90	79	70	0.40	100	82	75	73	77	69	0.14
09/15/90	75	59	-1.00	100	55	75	70	76	61	0.14
09/16/90	76	55	0.00	100	46	73	69	76	58	0.24
09/17/90	68	49	0.00	100	38	71	67	75	56	0.17
09/18/90	66	48	0.00	100	56	69	66	72	56	0.12
09/19/90	75	60	0.50	100	90	67	65	68	62	0.10
09/20/90	72	62	-1.00	100	54	68	67	73	63	0.10
09/21/90	72	54	0.12	0	0	0	0	0	0	0.00
09/22/90	71	56	0.34	100	60	69	67	72	60	0.22
09/23/90	64	44	0.02	100	98	69	67	72	60	0.22
09/24/90	64	38	0.00	0	0	0	0	0	0	0.00
09/25/90	72	49	0.00	92	42	63	61	68	50	0.20
09/26/90	81	55	0.00	99	60	65	62	76	56	0.17
09/27/90	83	52	0.00	100	38	67	64	78	59	0.19
09/28/90	82	60	0.00	100	48	67	66	78	62	0.21
09/29/90	83	63	0.00	94	54	68	67	77	64	0.15
09/30/90	80	61	0.13	98	54	67	66	76	64	0.08

III B. April Climatological Data, Princeton

Date	Air Temp		Pcpn	Rel Hum		Sod		Bare		Evap	Dew	GDD B50
	Hi	Lo		Hi	Lo	Hi	Lo	Hi	Lo			
1	71	46	.00	98	52	59	53	..	..	..	.	11
2	71	42	.00	94	40	59	54	..	..	..	.	11
3	54	38	.00	90	72	59	51	..	..	..	.	2
4	63	29	.00	100	36	54	47	..	..	..	.	7
5	65	36	.00	100	28	56	49	..	..	..	.	8
6	50	38	.09	100	28	55	50	..	..	..	.	0
7	52	23	.00	80	24	53	44	..	..	..	.	1
8	62	28	.00	82	30	54	45	..	..	..	.	6
9	72	40	.00	90	22	54	46	..	..	..	.	11
10	68	53	.69	100	100	54	50	..	..	..	.	11
11	58	35	.05	100	36	52	48	..	..	..	.	4
12	52	29	.00	100	36	54	50	..	..	..	.	1
13	63	39	.00	90	40	56	52	..	..	..	.	7
14	61	42	.29	90	55	55	52	..	..	..	.	6
15	57	33	.00	100	70	56	49	..	..	..	.	4
16	70	42	T	100	28	58	54	..	..	..	.	10
17	68	40	.25	100	50	58	52	..	..	..	.	9
18	58	33	.00	96	40	58	49	..	..	..	.	4
19	72	43	.11	96	50	58	54	..	..	..	.	11
20	75	55	.02	86	72	60	52	..	..	..	.	15
21	73	58	.66	100	80	62	58	..	..	..	.	16
22	79	51	.00	100	40	68	59	..	..	..	.	15
23	84	52	.00	100	40	69	60	..	..	..	.	18
24	85	60	.00	100	50	72	60	..	..	..	.	23
25	86	64	.00	94	62	74	64	..	..	..	.	25
26	85	64	.00	100	42	76	68	..	..	..	.	25
27	82	63	.00	88	44	76	70	..	..	..	.	23
28	82	52	.52	100	80	76	70	..	..	..	.	17
29	79	45	.23	95	40	65	63	..	..	..	.	15
30	80	64	.11	100	92	74	70	..	..	..	.	22

III B. May Climatological Data, Princeton

Date	Air Temp		Pcpn	Rel Hum		Sod		Bare		Evap	Dew	GDD B50
	Hi	Lo		Hi	Lo	Hi	Lo	Hi	Lo			
1	72	48	.71	100	100	74	68	..	..	..	.	11
2	56	50	.43	100	100	72	66	..	..	..	.	3
3	74	53	.05	95	81	66	63	..	..	..	.	14
4	78	65	.21	100	60	74	70	..	..	..	.	22
5	78	48	T	100	60	74	70	..	..	..	.	14
6	66	44	.04	100	48	69	63	..	..	..	.	8
7	75	43	.00	100	42	70	64	..	..	..	.	13
8	78	54	.00	90	50	72	68	..	..	..	.	16
9	76	60	T	100	70	80	78	..	..	..	.	18
10	68	45	.17	100	52	66	64	..	..	..	.	9
11	66	36	.00	100	30	70	68	..	..	..	.	8
12	68	50	.18	100	100	72	68	..	..	..	.	9
13	65	56	.22	100	86	65	60	..	..	..	.	11
14	77	49	.02	100	66	68	60	..	..	..	.	14
15	81	62	.11	100	100	70	65	..	..	..	.	22
16	81	72	.06	100	96	72	68	..	..	..	.	27
17	78	48	1.55	100	40	72	70	..	..	..	.	14
18	80	47	.00	100	40	74	68	..	..	..	.	15
19	78	62	.00	92	44	72	68	..	..	..	.	20
20	77	63	.29	100	94	72	68	..	..	..	.	20
21	76	58	.20	100	100	72	66	..	..	..	.	17
22	63	52	.06	100	70	72	60	..	..	..	.	8
23	73	42	.00	100	50	72	60	..	..	..	.	12
24	78	48	.00	100	42	74	68	..	..	..	.	14
25	78	64	.32	100	48	74	62	..	..	..	.	21
26	78	58	.14	94	68	73	65	..	..	..	.	18
27	78	58	.02	100	82	72	68	..	..	..	.	18
28	73	60	1.65	100	94	72	64	..	..	..	.	17
29	78	51	.00	100	52	74	68	..	..	..	.	15
30	79	54	.00	100	60	74	70	..	..	..	.	17
31	81	55	.00	100	40	76	72	..	..	..	.	18

III B. June Climatological Data, Princeton

Date	Air Temp		Pcpn	Rel Hum		Sod		Bare		Evap	Dew	GDD B50
	Hi	Lo		Hi	Lo	Hi	Lo	Hi	Lo			
1	85	65	.00	100	68	76	62	..	..	..	.	25
2	84	70	.20	100	92	78	70	..	..	..	.	27
3	81	58	.08	100	76	76	70	..	..	..	.	20
4	78	50	.00	95	50	76	69	..	..	..	.	14
5	79	48	.00	100	64	78	66	..	..	..	.	15
6	83	60	.64	100	100	78	68	..	..	..	.	22
7	90	60	.04	100	68	79	68	..	..	..	.	23
8	90	73	.00	100	72	77	68	..	..	..	.	30
9	90	72	.02	100	70	80	78	..	..	..	.	29
10	87	64	.00	100	48	81	78	..	..	..	.	25
11	83	58	.00	95	43	79	73	..	..	..	.	21
12	85	61	.00	98	48	81	78	..	..	..	.	23
13	90	64	.00	100	60	82	76	..	..	..	.	25
14	89	76	.30	92	70	80	77	..	..	..	.	31
15	90	78	.02	100	70	84	78	..	..	..	.	32
16	92	73	T	100	58	84	78	..	..	..	.	30
17	91	70	.00	100	88	83	80	..	..	..	.	28
18	91	74	T	100	70	84	76	..	..	..	.	30
19	90	64	.00	100	40	87	78	..	..	..	.	25
20	87	70	T	100	78	84	78	..	..	..	.	28
21	90	63	.00	100	58	86	78	..	..	..	.	25
22	90	68	.25	100	72	86	78	..	..	..	.	27
23	84	61	.00	92	44	79	73	..	..	..	.	23
24	82	58	.00	100	42	83	80	..	..	..	.	20
25	84	56	.00	85	43	83	78	..	..	..	.	20
26	87	59	.00	100	50	82	78	..	..	..	.	23
27	91	65	.00	100	58	84	76	..	..	..	.	26
28	93	65	.00	100	50	86	80	..	..	..	.	26
29	94	72	.00	100	52	89	48	..	..	..	.	29
30	95	72	.00	100	50	88	78	..	..	..	.	29

III B. July Climatological Data, Princeton

Date	Air Temp		Pcprn	Rel Hum		Sod		Bare		Evap	Dew	GDD B50
	Hi	Lo		Hi	Lo	Hi	Lo	Hi	Lo			
1	95	72	T	100	50	86	79	..	..	..	.	29
2	92	70	.00	100	40	86	79	..	..	..	.	28
3	95	60	.00	96	35	86	78	..	..	..	.	23
4	95	72	.00	100	52	88	78	..	..	..	.	29
5	95	72	.00	100	48	88	82	..	..	..	.	29
6	92	72	.00	95	65	82	78	..	..	..	.	29
7	96	69	.00	100	52	88	79	..	..	..	.	28
8	98	74	.00	100	50	89	82	..	..	..	.	30
9	100	75	.00	100	40	88	80	..	..	..	.	31
10	100	75	.00	100	42	90	82	..	..	..	.	31
11	98	72	1.25	100	70	90	82	..	..	..	.	29
12	82	70	1.10	100	72	86	80	..	..	..	.	26
13	78	63	.02	100	70	84	78	..	..	..	.	21
14	68	58	.00	100	70	76	74	..	..	..	.	13
15	79	58	.00	100	74	80	76	..	..	..	.	19
16	87	60	.00	100	60	82	70	..	..	..	.	23
17	87	62	.00	100	44	82	73	..	..	..	.	24
18	89	54	.00	93	51	80	74	..	..	..	.	20
19	92	60	.00	100	46	83	76	..	..	..	.	23
20	92	72	.00	88	65	81	77	..	..	..	.	29
21	84	68	1.24	100	60	84	70	..	..	..	.	26
22	82	68	1.15	100	100	84	70	..	..	..	.	25
23	82	68	.08	95	60	84	68	..	..	..	.	25
24	82	60	.00	95	60	77	74	..	..	..	.	21
25	85	58	.00	100	60	84	68	..	..	..	.	22
26	87	63	.00	100	56	81	74	..	..	..	.	25
27	89	65	.00	100	54	82	77	..	..	..	.	26
28	90	70	.00	100	58	84	78	..	..	..	.	28
29	92	68	.00	100	48	85	79	..	..	..	.	27
30	92	78	.00	100	66	85	79	..	..	..	.	32
31	89	67	.00	100	70	85	79	..	..	..	.	27

III B. August Climatological Data, Princeton

Date	Air Temp		Pcpn	Rel Hum		Sod		Bare		Evap	Dew	GDD B50
	Hi	Lo		Hi	Lo	Hi	Lo	Hi	Lo			
1	81	62	.00	100	58	83	75	..	..	..	.	22
2	85	60	.00	100	52	83	75	..	..	..	.	23
3	88	61	.00	100	50	81	75	..	..	..	.	24
4	89	71	.48	100	92	81	77	..	..	..	.	29
5	83	71	.98	100	92	81	76	..	..	..	.	27
6	82	65	.00	100	60	81	78	..	..	..	.	24
7	78	53	.00	100	58	80	74	..	..	..	.	16
8	78	56	.00	100	52	80	70	..	..	..	.	17
9	82	60	.00	100	60	78	72	..	..	..	.	21
10	84	64	.00	100	62	78	70	..	..	..	.	24
11	85	58	.00	100	56	78	68	..	..	..	.	22
12	89	61	.00	100	50	79	70	..	..	..	.	24
13	84	71	.37	100	100	79	72	..	..	..	.	28
14	80	66	.04	100	90	80	74	..	..	..	.	23
15	84	58	.00	100	46	82	70	..	..	..	.	21
16	84	58	.00	100	46	82	70	..	..	..	.	21
17	90	67	.17	100	72	86	74	..	..	..	.	27
18	? 94	69	.00	100	54	81	77	..	..	..	.	28
19	94	72	.00	100	52	83	73	..	..	..	.	29
20	96	72	.00	100	62	83	74	..	..	..	.	29
21	95	74	.00	100	70	84	76	..	..	..	.	30
22	89	71	T	100	100	84	74	..	..	..	.	29
23	80	68	.00	100	100	84	76	..	..	..	.	24
24	86	60	.00	100	60	84	78	..	..	..	.	23
25	91	62	.00	100	50	86	78	..	..	..	.	24
26	95	65	.00	100	40	86	78	..	..	..	.	26
27	97	68	.00	100	60	86	79	..	..	..	.	27
28	101	64	.00	100	38	88	80	..	..	..	.	25
29	98	72	.00	100	66	88	80	..	..	..	.	29
30	88	60	.00	100	44	88	78	..	..	..	.	23
31	90	62	.00	100	34	85	78	..	..	..	.	24

III B. September Climatological Data, Princeton

Date	Air Temp		Pcprn	Rel Hum		Sod		Bare		Evap	Dew	GDD B50
	Hi	Lo		Hi	Lo	Hi	Lo	Hi	Lo			
1	93	66	.00	100	48	84	78	..	..	..	.	26
2	97	69	.00	100	42	85	77	..	..	..	.	28
3	? 92	69	.00	100	44	82	77	..	..	..	.	28
4	94	65	.00	100	40	85	78	..	..	..	.	26
5	98	67	.00	100	42	85	78	..	..	..	.	27
6	99	70	.00	100	40	85	78	..	..	..	.	28
7	100	72	.00	100	40	86	79	..	..	..	.	29
8	? 85	69	.14	100	66	81	77	..	..	..	.	27
9	89	70	.00	100	60	86	77	..	..	..	.	28
10	84	67	.06	100	58	83	77	..	..	..	.	26
11	89	66	.00	100	56	80	75	..	..	..	.	26
12	89	69	.00	100	92	80	76	..	..	..	.	28
13	85	69	T	100	70	80	78	..	..	..	.	27
14	88	68	T	100	68	82	80	..	..	..	.	27
15	81	54	.34	100	44	84	80	..	..	..	.	18
16	80	54	.00	100	32	80	74	..	..	..	.	17
17	78	50	.00	100	40	80	72	..	..	..	.	14
18	78	56	.00	80	40	80	72	..	..	..	.	17
19	86	64	.60	100	80	82	74	..	..	..	.	25
20	? 80	61	.00	100	61	73	71	..	..	..	.	21
21	85	60	1.40	100	100	82	76	..	..	..	.	23
22	78	57	.63	100	40	82	78	..	..	..	.	18
23	77	46	.00	100	40	77	66	..	..	..	.	14
24	69	39	.00	100	32	66	60	..	..	..	.	10
25	78	48	.00	100	44	67	61	..	..	..	.	14
26	86	56	.00	98	40	68	62	..	..	..	.	21
27	? 87	52	.00	..	..	..	..	..	..	..	.	19
28	? 86	54	.00	97	48	70	66	..	..	..	.	20
29	? 83	60	.00	97	60	74	69	..	..	..	.	22
30	74	60	.02	100	60	73	65	..	..	..	.	17

IV. HERBICIDES IN REPORT

CHEMICAL/COMMON	TRADE NAME	COMPANY
2,4-DB	BUTYRAC 200	RHONE POULENC
2,4-D AMINE		VERTEC
2,4-D ESTER	ESTERON 99	
AC 263 222	CADRE	AMERICAN CYANAMID
ACIFLUORFEN 1	BLAZER 2L	BASF
ACTIVATOR 90		LOVELAND
AGRI-DEX		
ALACHLOR	LASSO 4E,4MT	MONSANTO
ALACHLOR EC + ATRAZINE	LARIAT (LASSO 2.5 + ATRAZINE 1.5)	MONSANTO
ALACHLOR MT + ATRAZINE	BULLET (LASSO 2.5 + ATRAZINE 1.5)	MONSANTO
ALACHLOR + GLYPHOSATE	BRONCO (LASSO 2.5 + ROUNDUP 1.5)	MONSANTO
ATRAZINE	ATRAZINE (DUPONT), AATREX, AATREX NINE-0	DUPONT, CIBA GEIGY
BENEFIN	BALAN	ELANCO
BENTAZON	BASAGRAN	BASF
BENTAZON + ACIFLUORFEN	STORM (2.67 BASAGRAN + 1.33 BLAZER)	BASF
BROMOXYNIL 2	BUCTRIL	RHONE POULENC
BROMOXYNIL/ATRAZINE	BUCTRIL/ATRAZINE	RHONE POULENC
BUTYLATE + R25788	SUTAN +	ICI
BUTYLATE PKG.+ATRAZINE	SUTAZINE (SUTAN 4.8 + ATRAZINE 1.2)	ICI
CARBOFURAN	FURADAN	FMC
CHLORIMURON	CLASSIC	DUPONT
CHLOR. + LINURON 1:12	GEMINI	DUPONT
CHLOR. + LINURON 1:18	LOROX PLUS	DUPONT
CHLOR. + METRI. 1:6	CANOPY	DUPONT
CHLOR. + METRI. 1:10	PREVIEW	DUPONT
CLOMAZONE	COMMAND	FMC
CYANAZINE	BLADEX 4L, 90DF	DUPONT
CYANAZINE + ATRAZINE	EXTRAZINE II (1.0 ATRAZINE + 3.0 BLADEX)	DUPONT
CROP OIL CONCENTRATE	PEPTOIL	
DASH		BASF
DICAMBA	BANVEL	SANDOZ
DICAMBA + ATRAZINE	MARKSMAN (2.1 ATRAZINE + 1.1 BANVEL)	SANDOZ
DPX JL193 50WP		DUPONT
DPX 79406 25DF		DUPONT
DPX 8259	LOROX PLUS	DUPONT
EPTC + R25788	ERADICANE	ICI
EPTC + R25788 + R33865	ERADICANE EXTRA	ICI
ITHALFLURALIN	SONALAN	ELANCO
FLUAZIFOP-BUTYL	FUSILADE 2000	ICI
FOMESAFEN	REFLEX	ICI
FOMESAFEN + FLUAZIFOP-B.	TORNADO 2E (1.0 REFLEX + 0.75 FUSILADE)	ICI
GLYPHOSATE	ROUNDUP	MONSANTO

IV. HERBICIDES (Continued)

CHEMICAL/COMMON	TRADE NAME	COMPANY
GLYPHOSATE + 2,4-D	LANDMASTER II (1.0 2,4-D + 1.2 ROUNDUP)	MONSANTO LOVELAND
HERBIMAX		ICI
ICIA 5676		AMERICAN CYANAMID
IMAZAQUIN	SCEPTER	AMERICAN CYANAMID
IMAZETHAPYR	PURSUIT	AMERICAN CYANAMID
IMAZETHAPYR + PENDIMETH.	PURSUIT PLUS 3E (3.0 PURSUIT + 2.8 PROWL)	AMERICAN CYANAMID
LACTOFEN	COBRA	VALENT
LINURON	LOROX	DUPONT
LIQUID FERTILIZER M6316	28% NITROGEN PINNACLE	DUPONT
METALACHLOR	DUAL	CIBA GEIGY
METALACHLOR + ATRAZINE	BICEP 6L (3.33 DUAL + 2.67 ATRAZINE)	CIBA GEIGY
METALACHLOR+METRIBUZIN	TURBO (6.55 DUAL + 1.45 METRIBUZIN)	MOBAY
METSULFURON METHYL	ALLY	DUPONT
METRIBUZIN 1	SENCOR 4L,75DF	MOBAY
METRIBUZIN 2	LEXONE 4L,75DF	DUPONT
MON 8422 4ME		MONSANTO
MON 8435 7.5EC		MONSANTO
MON 44074		MONSANTO
NAPROPAMIDE	DEVIRINOL	ICI
NICOSULFURON	ACCENT	DUPONT
PARAQUAT	GRAMOXONE EXTRA	ICI
PENDIMETHALIN	PROWL	AMERICAN CYANAMID
PENDI. + IMAZAQUIN 5.7:1	SQUADRON	AMERICAN CYANAMID
PRIMISULFURON	BEACON	CIBA GEIGY
PYRIDATE	TOUGH	RIVERSIDE TERRA
QUIZALAFOP	ASSURE	DUPONT
RE 45601 (CLETHODIM)	SELECT	VALENT
RO 17-3664 240 EC		MOBAY
SC 0224	TOUCHDOWN	ICI
SETHOXYDIM	POAST, POAST PLUS	BASF
SIMAZINE	PRINCEP	CIBA GEIGY
SUNFLOWER OIL		
SUN-IT		
SURFACTANT	X-77	
TERBUFOS	COUNTER	AMERICAN CYANAMID
TRIFLURALIN	TREFLAN	ELANCO
TRIFLUR + IMAZAQUIN 6:1	TRI-SCEPT	AMERICAN CYANAMID
TRIFLURALIN+METRIBUZIN	SALUTE (2.67 TREFLAN + 1.33 METRIBUZIN)	MOBAY
TRIFLURALIN+CLOMAZONE	COMMENCE	ELANCO, FMC
UK 3000		
V-23031 .88L		VALENT
V-53482 50WP, 3FL		VALENY

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-4 WEEKS-						8 WEEKS-			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	CRIN	SETFA	XANOR	IPOHE
1	ALACHLOR	4.00 MT	2.500 lb/ac PRE		0	98	38	0	98	28	28	0	93	25	35
2A	ALACHLOR	4.00 MT	2.500 lb/ac PRE		13	100	88	0	100	78	95	0	93	73	85
2B	ATRAZINE	4.00 L	1.500 lb/ac PRE												
3A	ALACHLOR	4.00 MT	2.500 lb/ac PRE		8	98	90	0	98	88	90	0	88	85	83
3B	CYANAZINE	4.00 L	2.000 lb/ac PRE												
4A	ALACHLOR	4.00 MT	2.500 lb/ac PRE		8	100	70	0	100	58	68	0	93	53	53
4B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac PRE												
5	METOLACHLOR	8.00 E	2.000 lb/ac PRE		0	98	33	0	98	13	25	0	98	10	15
6A	METOLACHLOR	8.00 E	2.000 lb/ac PRE		5	100	90	0	100	83	95	0	93	83	90
6B	ATRAZINE	4.00 L	1.500 lb/ac PRE												
7	ALACHLOR EC + ATRAZ	4.00 FL	4.000 lb/ac PRE		10	100	90	0	100	88	95	0	95	88	88
8	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac PRE		8	90	83	0	90	78	93	0	88	73	88
9	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac PRE		3	98	88	0	98	83	93	0	93	73	75
10	CYANAZINE + ATRAZINE	90.00 DF	3.750 lb/ac PRE		0	95	90	0	95	95	90	0	85	93	90
11A	PENDIMETHALIN	4.00 E	1.000 lb/ac PRE		0	90	75	0	90	60	90	0	83	65	90
11B	ATRAZINE	4.00 L	1.000 lb/ac PRE												
12A	PENDIMETHALIN	4.00 E	1.000 lb/ac PRE		15	93	90	3	93	93	90	0	78	85	80
12B	ATRAZINE	4.00 L	0.900 lb/ac PRE												
12C	DICAMBA	4.00 S	0.500 lb/ac PRE												
13	ICIA 5676	6.40 E	1.000 lb/ac PRE		10	100	30	0	100	10	30	0	90	13	28
14	ICIA 5676	6.40 E	1.250 lb/ac PRE		8	98	38	0	98	30	28	0	90	25	25
15	ICIA 5676	6.40 E	1.500 lb/ac PRE		10	98	45	0	98	33	43	0	90	28	30
16	ICIA 5676	6.40 E	1.750 lb/ac PRE		20	100	48	0	100	18	53	0	93	15	43
17	ICIA 5676	6.40 E	2.250 lb/ac PRE		23	100	78	5	100	63	78	0	93	50	48
18A	ICIA 5676	6.40 E	1.000 lb/ac PRE		15	98	90	3	98	80	93	0	90	78	90
18B	ATRAZINE	4.00 L	1.500 lb/ac PRE												

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TABLE C0001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-140-	-4 WEEKS-						-8 WEEKS-			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	CRIN	SETFA	XANOR	IPOHE
19A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	10	100	90	0	100	90	93	0	93	88	88
19B	ATRAZINE	4.00 L	1.500 lb/ac	PRE											
20A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	15	100	90	0	100	88	90	0	93	85	88
20B	ATRAZINE	4.00 L	1.500 lb/ac	PRE											
21A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	18	98	90	3	98	80	93	0	93	83	83
21B	ATRAZINE	4.00 L	1.500 lb/ac	PRE											
22A	ICIA 5676	6.40 E	2.250 lb/ac	PRE	33	100	90	8	100	90	93	0	93	80	88
22B	ATRAZINE	4.00 L	1.500 lb/ac	PRE											
23A	V-53482	50.00 WDG	0.031 lb/ac	PRE	18	100	58	3	100	38	68	0	93	28	60
23B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE											
24A	V-53482	50.00 WDG	0.047 lb/ac	PRE	28	100	75	3	100	58	88	0	93	53	55
24B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE											
25A	V-53482	50.00 WDG	0.063 lb/ac	PRE	43	98	85	8	98	78	90	0	93	68	78
25B	ALACHLOR	4.00 MT	2.500 lb/ac	PRE											
26	UK 3000	3.50 E	3.000 lb/ac	PRE	8	98	85	0	98	78	85	0	90	68	58
27	UK 3000	3.50 E	3.500 lb/ac	PRE	10	100	88	0	100	83	85	0	93	80	70
28	UK 3000	3.50 E	4.100 lb/ac	PRE	20	100	90	3	100	90	88	0	93	85	80
29A	MON 8422	4.00 ME	1.500 lb/ac	PRE	20	100	83	3	100	73	90	0	88	65	88
29B	ATRAZINE	4.00 L	1.000 lb/ac	PRE											
30A	MON 8422	4.00 ME	1.750 lb/ac	PRE	23	100	88	5	100	70	93	0	95	60	90
30B	ATRAZINE	4.00 L	1.000 lb/ac	PRE											
31A	MON 8422	4.00 ME	2.000 lb/ac	PRE	28	100	90	8	100	93	93	0	93	90	85
31B	ATRAZINE	4.00 L	1.000 lb/ac	PRE											
32A	MON 8422	4.00 ME	2.000 lb/ac	PRE	20	100	93	5	100	88	98	0	88	83	85
32B	ATRAZINE	4.00 L	1.250 lb/ac	PRE											
33A	MON 8435	7.50 EC	1.500 lb/ac	PRE	23	100	88	0	100	80	90	0	90	68	90
33B	ATRAZINE	4.00 L	1.250 lb/ac	PRE											

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0001 CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS-----						-----8 WEEKS-----			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	CRIN	SETFA	XANOR	IPOHE
34A	MON 8435	7.50 EC	1.750 lb/ac	PRE	20	100	90	3	100	88	95	0	93	83	85
34B	ATRAZINE	4.00 L	1.000 lb/ac	PRE											
35A	MON 8435	7.50 EC	2.000 lb/ac	PRE	25	100	90	8	100	88	90	0	93	85	78
35B	ATRAZINE	4.00 L	1.000 lb/ac	PRE											
36	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	100	0	100	100	100
			LSD(.05) :		7.5	4.1	16.7	4.7	4.1	16	NS	NS	7.5	18.8	21.6

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 2.80 %
 DATE TREATED : PRE MAY 8

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TABLE C0010 CORN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	PHBPU
1	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	98	68	0	98	43	98	95	98
2A	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	100	93	3	100	93	100	100	100
2B	ATRAZINE	4.00 L	1.200 lb/ac	PRE								
3	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	65	0	98	38	98	85	85
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	100	90	0	100	90	100	100	100
4B	ATRAZINE	4.00 L	1.200 lb/ac	PRE								
5	ICIA 5676	6.40 E	1.000 lb/ac	PRE	98	60	8	98	25	100	90	95
6	ICIA 5676	6.40 E	1.250 lb/ac	PRE	100	73	18	100	55	100	93	93
7	ICIA 5676	6.40 E	1.500 lb/ac	PRE	98	80	15	98	75	100	95	90
8	ICIA 5676	6.40 E	1.750 lb/ac	PRE	100	73	10	100	53	98	95	98
9A	ICIA 5676	6.40 E	1.000 lb/ac	PRE	98	93	3	98	93	100	100	100
9B	ATRAZINE	4.00 L	1.200 lb/ac	PRE								
10A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	100	93	5	100	95	100	100	100
10B	ATRAZINE	4.00 L	1.200 lb/ac	PRE								
11A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	100	93	5	100	93	100	100	100
11B	ATRAZINE	4.00 L	1.200 lb/ac	PRE								
12A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	100	90	18	100	93	100	100	100
12B	ATRAZINE	4.00 L	1.200 lb/ac	PRE								
13	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					NS	13.8	9.3	NS	33.3	NS	5.7	4.5

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 2.80 %
 DATE TREATED : PRE MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0010 CORN PREEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	PHBPU
1	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	0	95	43	98	95	95
2A	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	0	98	93	100	98	100
2B	ATRAZINE	4.00 L	1.200 lb/ac	PRE						
3	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	98	38	98	85	88
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	95	85	100	98	100
4B	ATRAZINE	4.00 L	1.200 lb/ac	PRE						
5	ICIA 5676	6.40 E	1.000 lb/ac	PRE	8	98	25	100	90	95
6	ICIA 5676	6.40 E	1.250 lb/ac	PRE	10	95	55	100	93	93
7	ICIA 5676	6.40 E	1.500 lb/ac	PRE	15	98	68	98	95	90
8	ICIA 5676	6.40 E	1.750 lb/ac	PRE	10	93	53	98	95	98
9A	ICIA 5676	6.40 E	1.000 lb/ac	PRE	0	95	90	100	100	100
9B	ATRAZINE	4.00 L	1.200 lb/ac	PRE						
10A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	3	95	95	100	95	100
10B	ATRAZINE	4.00 L	1.200 lb/ac	PRE						
11A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	3	100	93	100	98	100
11B	ATRAZINE	4.00 L	1.200 lb/ac	PRE						
12A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	18	98	90	100	93	100
12B	ATRAZINE	4.00 L	1.200 lb/ac	PRE						
13	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					8.7	NS	33.3	NS	6.5	5.3

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.3 O.M. : 2.80 %
 DATE TREATED : PRE MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE CO011 CORN PREEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	AMBEL	SIDSP	POLPY
1	ALACHLOR	4.00 MT	3.000 lb/ac PRE		95	88	13	95	100	95	90	88	95	95
2A	ALACHLOR	4.00 MT	3.000 lb/ac PRE		93	98	3	93	98	100	98	100	100	100
2B	ATRAZINE	4.00 L	1.600 lb/ac PRE											
3	METOLACHLOR	8.00 E	2.500 lb/ac PRE		78	75	0	100	85	93	83	88	88	90
4A	METOLACHLOR	8.00 E	2.500 lb/ac PRE		100	98	5	100	100	100	100	100	98	100
4B	ATRAZINE	4.00 L	1.600 lb/ac PRE											
5	ICIA 5676	6.40 E	1.500 lb/ac PRE		95	88	3	95	100	98	93	95	95	100
6	ICIA 5676	6.40 E	1.750 lb/ac PRE		90	90	5	90	100	98	93	95	95	93
7	ICIA 5676	6.40 E	2.000 lb/ac PRE		98	93	5	98	100	100	93	98	95	100
8	ICIA 5676	6.40 E	2.250 lb/ac PRE		98	90	0	98	100	98	98	95	98	100
9A	ICIA 5676	6.40 E	1.500 lb/ac PRE		95	100	25	98	100	100	100	100	100	100
9B	ATRAZINE	4.00 L	1.600 lb/ac PRE											
10A	ICIA 5676	6.40 E	1.750 lb/ac PRE		95	98	0	95	100	100	98	100	100	100
10B	ATRAZINE	4.00 L	1.600 lb/ac PRE											
11A	ICIA 5676	6.40 E	2.000 lb/ac PRE		95	100	0	95	100	100	100	100	100	100
11B	ATRAZINE	4.00 L	1.600 lb/ac PRE											
12A	ICIA 5676	6.40 E	2.250 lb/ac PRE		95	100	5	95	100	100	100	100	100	100
12B	ATRAZINE	4.00 L	1.600 lb/ac PRE											
13	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100	100	100
				LSD(.05) :	NS	6	NS	NS	2	4.3	4.6	5.6	6.1	4.4

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : PRE MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0011 CORN PREEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----							
					CRIN	SETFA	XANOR	CHEAL	IPOHE	AMBEL	SIDSP	POLPY
1	ALACHLOR	4.00 MT	3.000 lb/ac	PRE	10	98	75	70	68	65	68	70
2A	ALACHLOR	4.00 MT	3.000 lb/ac	PRE	3	90	98	98	95	98	93	95
2B	ATRAZINE	4.00 L	1.600 lb/ac	PRE								
3	METOLACHLOR	8.00 E	2.500 lb/ac	PRE	0	98	68	90	68	73	65	73
4A	METOLACHLOR	8.00 E	2.500 lb/ac	PRE	5	100	100	100	95	100	95	100
4B	ATRAZINE	4.00 L	1.600 lb/ac	PRE								
5	ICIA 5676	6.40 E	1.500 lb/ac	PRE	3	90	100	98	93	93	80	100
6	ICIA 5676	6.40 E	1.750 lb/ac	PRE	5	90	100	98	90	95	90	93
7	ICIA 5676	6.40 E	2.000 lb/ac	PRE	8	95	100	100	93	95	85	98
8	ICIA 5676	6.40 E	2.250 lb/ac	PRE	0	90	100	98	95	95	85	98
9A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	3	90	100	100	100	100	95	100
9B	ATRAZINE	4.00 L	1.600 lb/ac	PRE								
10A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	90	100	100	98	100	93	100
10B	ATRAZINE	4.00 L	1.600 lb/ac	PRE								
11A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	0	90	100	100	95	100	90	100
11B	ATRAZINE	4.00 L	1.600 lb/ac	PRE								
12A	ICIA 5676	6.40 E	2.250 lb/ac	PRE	5	98	100	100	95	100	95	100
12B	ATRAZINE	4.00 L	1.600 lb/ac	PRE								
13	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100	100	100
LSD(.05) :					7.4	NS	27.6	19.1	19	17.4	19.8	19.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : PRE MAY 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-4 WEEKS-						-8 WEEKS-			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	CRIN	SETFA	XANOR	IPOHE
1	ALACHLOR	4.00 MT	2.500 lb/ac PPI		0	90	23	0	90	30	5	0	83	20	3
2A	ALACHLOR	4.00 MT	2.500 lb/ac PPI		8	93	90	0	93	90	93	0	88	78	90
2B	ATRAZINE	4.00 L	1.500 lb/ac PPI												
3	ALACHLOR EC + ATRAZ	4.00 FL	4.000 lb/ac PPI		15	95	90	0	95	88	93	0	90	85	90
4	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac PPI		8	98	90	0	98	88	90	0	90	83	90
5	METOLACHLOR	8.00 E	2.000 lb/ac PPI		0	98	23	0	98	23	20	0	95	10	10
6A	METOLACHLOR	8.00 E	2.000 lb/ac PPI		8	100	88	0	100	85	90	0	95	83	88
6B	ATRAZINE	4.00 L	1.500 lb/ac PPI												
7	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac PPI		0	95	68	0	95	65	70	0	83	58	68
8	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac PPI		5	100	40	0	100	35	43	0	98	20	33
9	CYANAZINE + ATRAZINE	90.00 DF	3.750 lb/ac PPI		10	100	93	3	100	100	93	0	93	93	93
10	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac PPI		5	80	73	0	80	75	88	0	73	73	85
11	BUYTL + ATRA 4:1	6.00 ME	5.000 lb/ac PPI		0	93	80	0	93	70	93	0	88	60	88
12A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac PPI		5	88	78	0	88	73	83	0	65	73	83
12B	ATRAZINE	4.00 L	1.500 lb/ac PPI												
13	EPTC + R-25788	6.70 E	4.000 lb/ac PPI		0	83	20	0	83	18	28	0	70	5	15
14A	EPTC + R-25788	6.70 E	4.000 lb/ac PPI		5	90	85	0	90	80	93	0	85	83	80
14B	ATRAZINE	4.00 L	1.500 lb/ac PPI												
15A	EPTC + R-25788	6.70 E	4.200 lb/ac PPI		5	98	70	0	98	60	95	0	88	58	83
15B	ATRAZINE	4.00 L	1.000 lb/ac PPI												
16A	EPTC + R-25788	6.70 E	4.000 lb/ac PPI		15	100	98	10	100	98	100	0	95	98	90
16B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac EP												
17A	V-53482	50.00 WDG	0.031 lb/ac PPI		20	90	48	0	90	53	38	0	83	45	23
17B	ALACHLOR	4.00 MT	2.500 lb/ac PPI												
18A	V-53482	50.00 WDG	0.047 lb/ac PPI		13	90	38	0	90	35	30	0	75	20	20
18B	ALACHLOR	4.00 MT	2.500 lb/ac PPI												

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0002 CORN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-140-	-----4 WEEKS-----						-----8 WEEKS-----			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	CRIN	SETFA	XANOR	IPOHE
19A	V-53482	50.00 WDG	0.063 lb/ac	PPI	20	95	43	0	95	43	43	0	88	30	25
19B	ALACHLOR	4.00 MT	2.500 lb/ac	PPI											
20A	V-53482	50.00 WDG	0.047 lb/ac	PPI	20	85	53	0	85	45	58	0	55	33	40
20B	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI											
21A	V-53482	50.00 WDG	0.063 lb/ac	PPI	18	95	60	0	95	50	73	0	85	33	58
21B	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI											
22	UK 3000	3.50 E	3.000 lb/ac	PPI	10	95	63	3	95	63	60	0	80	60	35
23	UK 3000	3.50 E	3.500 lb/ac	PPI	10	98	70	0	98	78	45	0	88	63	25
24	UK 3000	3.50 E	4.100 lb/ac	PPI	10	98	75	0	98	78	60	0	93	58	45
25A	MON 8422	4.00 ME	1.500 lb/ac	PPI	18	98	78	0	98	70	90	0	90	58	78
25B	ATRAZINE	4.00 L	1.000 lb/ac	PPI											
26A	MON 8422	4.00 ME	1.750 lb/ac	PPI	20	100	90	5	100	83	95	0	93	70	83
26B	ATRAZINE	4.00 L	1.000 lb/ac	PPI											
27A	MON 8422	4.00 ME	2.000 lb/ac	PPI	18	100	80	3	100	70	83	0	93	58	80
27B	ATRAZINE	4.00 L	1.000 lb/ac	PPI											
28A	MON 8422	4.00 ME	2.000 lb/ac	PPI	18	95	85	5	95	78	88	0	88	68	70
28B	ATRAZINE	4.00 L	1.250 lb/ac	PPI											
29A	MON 8435	7.50 EC	1.500 lb/ac	PPI	13	98	85	0	98	78	93	0	93	75	85
29B	ATRAZINE	4.00 L	1.250 lb/ac	PPI											
30A	MON 8435	7.50 EC	1.750 lb/ac	PPI	18	100	88	10	100	83	90	0	90	68	75
30B	ATRAZINE	4.00 L	1.000 lb/ac	PPI											
31A	MON 8435	7.50 EC	2.000 lb/ac	PPI	25	95	55	5	95	70	65	23	85	45	70
31B	ATRAZINE	4.00 L	1.000 lb/ac	PPI											
32	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	100	0	100	100	100
				LSD(.05) :	5.6	11.4	25.4	3.3	11.4	26.6	28.6	NS	17.7	29.7	22.7

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : MAY 8
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.3 O.M. : 2.80 %
DATE TREATED : PPI MAY 8
EP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0016 CORN PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----4 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	CHEAL	IPOHE
1	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	3	100	73	100	95
2	ALACHLOR MT + ATRAZ	4.00 L	3.500 lb/ac	PRE	0	100	83	100	95
3A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	8	100	78	95	85
3B	2,4-D AMINE	4.00 E	0.500 lb/ac	MP					
4A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	20	100	88	95	88
4B	DICAMBA	4.00 S	0.500 lb/ac	MP					
5A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	93	90	98	83
5B	BROMOXYNIL 2	2.00 E	0.380 lb/ac	MP					
6A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	5	90	78	98	83
6B	BENTAZON	4.00 E	0.750 lb/ac	MP					
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	8	100	85	98	90
7B	2,4-D AMINE	4.00 E	0.500 lb/ac	MP					
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	35	95	90	98	90
8B	DICAMBA	4.00 S	0.500 lb/ac	MP					
9A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	EP	3	93	85	93	73
9B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	MP					
10A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP	13	78	93	98	95
10B	2,4-D AMINE	4.00 E	0.500 lb/ac	MP					
11A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP	40	85	93	98	98
11B	DICAMBA	4.00 S	0.500 lb/ac	MP					
12A	NICOSULFURON	75.00 DF	0.018 lb/ac	EP	0	98	60	70	83
12B	NICOSULFURON	75.00 DF	0.018 lb/ac	MP					
13A	NICOSULFURON	75.00 DF	0.031 lb/ac	MP	18	95	90	98	95
13B	2,4-D AMINE	4.00 E	0.500 lb/ac	MP					
14A	NICOSULFURON	75.00 DF	0.031 lb/ac	MP	33	90	95	95	90
14B	DICAMBA	4.00 S	0.500 lb/ac	MP					

LSD(.05) : 14.2 8.7 11.2 10.9 14

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : MAY 8
VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5 O.M. : 3.50 %
DATE TREATED : PPI MAY 8
PRE MAY 8
EP MAY 25
MP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	CRIN	SETFA	XANOR	CHEAL
1A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	88	0	90	88	90	0	90	88	90
1B	ATRAZINE	4.00 L	1.200 lb/ac	EP										
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	88	0	90	88	90	0	90	88	90
2B	DICAMBA + ATRAZINE	3.20 L	1.200 lb/ac	MP										
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	90	0	90	90	90	0	90	90	90
3B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP										
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	85	0	90	85	90	0	90	83	90
4B	DICAMBA	4.00 S	0.500 lb/ac	EP										
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	88	85	0	88	85	90	0	88	83	90
5B	DICAMBA	4.00 S	0.250 lb/ac	MP										
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	73	0	90	73	90	0	90	75	90
6B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
6C	ATRAZINE	4.00 L	0.600 lb/ac	EP										
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
7A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	73	0	90	63	90	0	90	75	90
7B	PYRIDATE	3.75 EC	0.450 lb/ac	LP										
7C	ATRAZINE	4.00 L	0.600 lb/ac	LP										
7D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP										
8A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	90	8	90	90	90	0	90	90	90
8B	PYRIDATE	3.75 EC	0.900 lb/ac	EP										
8C	ATRAZINE	4.00 L	1.200 lb/ac	EP										
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
9A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	90	0	90	90	90	0	90	90	90
9B	PYRIDATE	3.75 EC	0.900 lb/ac	LP										
9C	ATRAZINE	4.00 L	1.200 lb/ac	LP										
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP										
10A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	83	8	90	83	90	0	90	80	90
10B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
10C	CYANAZINE	80.00 WP	0.600 lb/ac	EP										
11A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	85	83	0	85	83	90	0	85	83	90
11B	BROMOXYNIL 2	2.00 E	0.380 lb/ac	MP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	CRIN	SETFA	XANOR	CHEAL
12A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	83	0	90	83	90	0	90	83	90
12B	BROMOXYNIL+ATRAZINE	3.00 EC	0.750 lb/ac	MP										
13A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	90	3	90	90	90	0	90	88	90
13B	BROMOXYNIL+ATRAZINE	3.00 EC	1.200 lb/ac	MP										
14A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	85	0	90	85	90	0	90	88	90
14B	DICAMBA	4.00 S	0.125 lb/ac	MP										
14C	2,4-D AMINE	4.00 E	0.250 lb/ac	MP										
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2LC	78	85	0	78	85	90	0	73	85	90
15B	ATRAZINE	4.00 L	1.000 lb/ac	2LC										
16A	PENDIMETHALIN	4.00 E	1.000 lb/ac	2LC	85	90	0	85	90	90	0	83	90	90
16B	ATRAZINE	4.00 L	0.900 lb/ac	2LC										
16C	DICAMBA	4.00 S	0.500 lb/ac	2LC										
17A	ATRAZINE	4.00 L	1.200 lb/ac	EP	70	83	0	70	83	90	0	68	83	90
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
18A	DICAMBA	4.00 S	0.250 lb/ac	MP	73	88	8	73	88	90	0	68	88	90
18B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP										
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
19A	DICAMBA	4.00 S	0.250 lb/ac	MP	88	85	0	88	85	90	0	88	85	90
19B	NICOSULFURON	75.00 DF	0.031 lb/ac	MP										
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
20A	PYRIDATE	3.75 EC	0.450 lb/ac	EP	68	85	0	68	85	90	0	68	85	90
20B	ATRAZINE	4.00 L	0.600 lb/ac	EP										
21A	PYRIDATE	3.75 EC	0.450 lb/ac	EP	83	83	0	83	83	90	0	80	83	90
21B	ATRAZINE	4.00 L	0.600 lb/ac	EP										
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
22A	PYRIDATE	3.75 EC	0.450 lb/ac	LP	88	90	0	88	90	90	0	90	90	90
22B	ATRAZINE	4.00 L	0.600 lb/ac	LP										
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP										
22D	PYRIDATE	3.75 EC	0.900 lb/ac	EP										
22E	ATRAZINE	4.00 L	1.200 lb/ac	EP										
23A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	80	90	0	80	90	90	0	80	90	90
23B	ATRAZINE	4.00 L	1.200 lb/ac	EP										

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TABLE C0003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-8 WEEKS AFTER APPLIED-			
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	CRIN	SETFA	XANOR	CHEAL
24A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	85	88	5	85	88	90	0	85	88	90
24B	ATRAZINE	4.00 L	1.200 lb/ac	EP										
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
25A	PYRIDATE	3.75 EC	0.900 lb/ac	LP	58	88	0	58	88	90	0	55	88	90
25B	ATRAZINE	4.00 L	1.200 lb/ac	LP										
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP										
26A	PYRIDATE	3.75 EC	0.900 lb/ac	EP	88	90	15	88	90	90	0	85	85	90
26B	CYANAZINE	80.00 WP	1.200 lb/ac	EP										
27A	NICOSULFURON	75.00 DF	0.031 lb/ac	5LC	80	13	0	80	8	13	0	83	30	33
27B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
27C	CULTIVATION	0.00 CK	0.000	14D										
28A	NICOSULFURON	75.00 DF	0.047 lb/ac	5LC	90	35	0	90	15	40	0	90	18	43
28B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
28C	CULTIVATION	0.00 CK	0.000	14D										
29A	NICOSULFURON	75.00 DF	0.031 lb/ac	5LC	85	40	0	85	38	48	0	88	35	53
29B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
29C	NICOSULFURON	75.00 DF	0.016 lb/ac	14D										
29D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D										
30A	NICOSULFURON	75.00 DF	0.031 lb/ac	5LC	85	45	0	85	40	48	0	85	38	48
30B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
30C	NICOSULFURON	75.00 DF	0.031 lb/ac	14D										
30D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D										
31A	NICOSULFURON	75.00 DF	0.047 lb/ac	5LC	85	40	0	85	50	40	0	88	48	45
31B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
31C	NICOSULFURON	75.00 DF	0.016 lb/ac	14D										
31D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D										
32A	NICOSULFURON	75.00 DF	0.031 lb/ac	5LC	88	33	0	88	25	20	0	88	25	20
32B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
32C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										
33A	NICOSULFURON	75.00 DF	0.047 lb/ac	5LC	88	25	0	88	33	13	0	90	33	13
33B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
33C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										

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TABLE C0003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	CRIN	SETFA	XANOR	CHEAL
34A	NICOSULFURON	75.00 DF	0.031 lb/ac	5LC	88	18	0	88	23	18	0	88	23	18
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
34C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										
34D	NICOSULFURON	75.00 DF	0.016 lb/ac	14D										
34E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D										
34F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	14D										
35A	NICOSULFURON	75.00 DF	0.031 lb/ac	5LC	85	28	0	85	50	25	0	85	50	25
35B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
35C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										
35D	NICOSULFURON	75.00 DF	0.031 lb/ac	14D										
35E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D										
35F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	14D										
36A	NICOSULFURON	75.00 DF	0.047 lb/ac	5LC	88	48	0	88	53	40	0	90	50	40
36B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	5LC										
36C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										
36D	NICOSULFURON	75.00 DF	0.016 lb/ac	14D										
36E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	14D										
36F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	14D										
37A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	63	50	0	63	80	3	0	55	80	3
37B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LC										
38A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	60	45	0	60	78	10	0	50	78	13
38B	X-77 (SURFACTANT)	0.50 WA	0.250 %	5LC										
38C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										
39A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	70	53	0	70	83	3	0	65	80	10
39B	AGRI-DEX	0.00 AD	1.000 qt/ac	5LC										
40A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	73	48	0	73	83	5	0	73	83	5
40B	AGRI-DEX	0.00 AD	1.000 qt/ac	5LC										
40C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										
41A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	75	48	0	75	70	33	0	73	70	28
41B	SUN-IT	0.00 AD	1.000 qt/ac	5LC										
42A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	83	48	0	85	80	20	0	85	78	20
42B	SUN-IT	0.00 AD	1.000 qt/ac	5LC										
42C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	5LC										

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TABLE C0003 CORN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	CRIN	SETFA	XANOR	CHEAL
43A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	5LC	55	45	0	55	75	8	0	55	70	28
43B	ACTIVATOR 90	0.00 WA	0.250 %	5LC										
44A	NICOSULFURON	75.00 DF	0.031 lb/ac	EP	90	65	0	90	55	88	0	88	60	88
44B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
44C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
45A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	EP	85	83	5	85	83	90	0	85	83	90
45B	PYRIDATE	3.75 EC	0.450 lb/ac	EP										
45C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
46	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	0	100	100	100
LSD(.05) :					9.1	11.4	3.4	9.1	17.5	12.9	NS	9.5	18.5	16.5

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PRE MAY 8
 2LF MAY 25
 EP MAY 25
 MP MAY 30
 5LC JUNE 6
 LP JUNE 6
 14D JUNE 20

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TABLE C0004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-140-	-----4 WEEKS-----					-----8 WEEKS-----		
					CRIN	GGGGG	BBBBB	CRIN	SETFA	AMARE	CRIN	SETFA	AMARE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	88	75	0	88	98	0	80	90
1B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
1C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	80	0	90	100	0	85	100
2B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
2C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
2D	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	63	85	5	63	100	0	60	100
3B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
3D	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP									
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	73	90	0	73	100	0	65	100
4B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
4D	DICAMBA	4.00 S	0.500 lb/ac	EP									
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	70	93	3	70	100	0	58	98
5B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
5C	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
5D	DICAMBA	4.00 S	0.500 lb/ac	EP									
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	78	55	0	78	98	0	75	95
6B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
6D	DICAMBA	4.00 S	0.250 lb/ac	MP									
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	58	58	0	58	100	0	60	95
7B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
7C	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
7D	DICAMBA	4.00 S	0.250 lb/ac	MP									
8	GLYPHOSATE	4.00 E	3.000 lb/ac	PRE	0	23	70	0	23	68	0	20	68
9A	GLYPHOSATE	4.00 E	0.560 lb/ac	PRE	0	90	85	0	90	100	0	90	98
9B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
10A	ALACHLOR EC + ATRAZ	4.00 FL	4.000 lb/ac	PRE	0	85	70	0	85	100	0	83	100
10B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									

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TABLE C0004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS-----			-----8 WEEKS-----				
					CRIN	GGGGG	BBBBB	CRIN	SETFA	AMARE	CRIN	SETFA	AMARE
11A	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE	0	88	85	0	93	98	0	85	100
11B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
12A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	PRE	0	90	78	0	90	95	0	88	85
12B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
13A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	0	93	70	0	93	100	0	83	98
13B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
14A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	0	80	63	0	80	100	0	70	100
14B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE									
14C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
15A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	0	85	88	0	85	100	0	78	100
15B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE									
15C	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
16A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	PRE	0	90	83	0	90	100	0	85	98
16B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
17A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	PRE	0	83	73	0	83	100	0	68	100
17B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
17C	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
18A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	70	80	0	70	100	0	60	100
18B	ATRAZINE	4.00 QUAT		2.50 S					0.470 lb/ac	PRE			
17C	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
18A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	70	80	0	70	100	0	60	100
18B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
18C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
19A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	55	60	0	55	95	0	48	100
19B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
19C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
19D	ACTIVATOR 90	0.00 WA	0.250 %	PRE									
20A	PARAQUAT	2.50 S	0.470 lb/ac	PRE	0	93	90	0	93	100	0	90	100
20B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
20C	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE									

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TABLE C0004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS-----				-----8 WEEKS-----			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	AMARE	CRIN	SETFA	AMARE
21A	PARAQUAT	2.50 S	0.470 lb/ac	PRE	0	35	45	0	35	63	0	40	58
21B	2,4-D ESTER	4.00 E	0.240 lb/ac	PRE									
21C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
22A	PARAQUAT	2.50 S	0.940 lb/ac	PRE	0	8	70	0	8	68	0	3	58
22B	2,4-D ESTER	4.00 E	0.480 lb/ac	PRE									
22C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
23A	PARAQUAT	2.50 S	0.470 lb/ac	PRE	3	83	63	0	83	100	0	63	93
23B	2,4-D ESTER	4.00 E	0.240 lb/ac	PRE									
23C	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
23D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
24A	PARAQUAT	2.50 S	0.940 lb/ac	PRE	0	88	93	3	88	100	0	88	100
24B	2,4-D ESTER	4.00 E	0.480 lb/ac	PRE									
24C	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
24D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
25A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	0	75	83	0	75	100	0	65	100
25B	PYRIDATE	3.75 EC	0.450 lb/ac	EP									
25C	ATRAZINE	4.00 L	0.600 lb/ac	EP									
26A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	0	85	88	0	88	100	0	85	100
26B	PYRIDATE	3.75 EC	0.900 lb/ac	EP									
26C	ATRAZINE	4.00 L	1.200 lb/ac	EP									
27A	ALACHLOR + GLYPHOSAT	4.00 E	3.000 lb/ac	PRE	0	55	93	3	55	100	0	40	100
27B	DICAMBA + ATRAZINE	3.20 L	1.400 lb/ac	EP									
28	GLYPHOSATE/2,4-D	2.20 E	0.930 lb/ac	PRE	0	13	38	0	13	38	0	5	25
29	GLYPHOSATE/2,4-D	2.20 E	1.860 lb/ac	PRE	0	30	60	0	30	75	0	23	75
30	GLYPHOSATE/2,4-D	2.20 E	3.720 lb/ac	PRE	0	28	63	0	28	73	0	30	68
31A	GLYPHOSATE/2,4-D	2.20 E	0.930 lb/ac	PRE	0	88	75	0	88	100	0	70	100
31B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
32A	GLYPHOSATE/2,4-D	2.20 E	1.860 lb/ac	PRE	0	83	85	0	83	100	0	75	98
32B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
33A	GLYPHOSATE/2,4-D	2.20 E	0.930 lb/ac	PRE	0	90	78	0	90	100	0	80	100
33B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
33C	CYANAZINE	4.00 L	2.500 lb/ac	PRE									

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TABLE C0004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS-----			-----8 WEEKS-----				
					CRIN	GGGGG	BBBBB	CRIN	SETFA	AMARE	CRIN	SETFA	AMARE
34A	GLYPHOSATE/2,4-D	2.20 E	1.860 lb/ac	PRE	0	93	98	0	93	100	0	80	95
34B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
34C	CYANAZINE	4.00 L	2.500 lb/ac	PRE									
35A	GLYPHOSATE/2,4-D	2.20 E	0.930 lb/ac	PRE	0	98	80	0	98	100	0	88	100
35B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
35C	SIMAZINE	4.00 L	2.000 lb/ac	PRE									
36A	GLYPHOSATE/2,4-D	2.20 E	1.860 lb/ac	PRE	0	93	75	0	93	100	0	90	100
36B	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE									
36C	SIMAZINE	4.00 L	2.000 lb/ac	PRE									
37A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	15	53	0	15	55	0	20	48
37B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
38A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	88	93	0	90	100	0	85	100
38B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
38C	ICIA 5676	6.40 E	2.000 lb/ac	PRE									
38D	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
39A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	65	65	0	65	98	0	53	98
39B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
39C	ALACHLOR	4.00 MT	2.000 lb/ac	PRE									
39D	CYANAZINE	4.00 L	2.000 lb/ac	PRE									
40A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	65	53	0	65	95	0	63	90
40B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
40C	ALACHLOR	4.00 MT	2.000 lb/ac	PRE									
40D	2,4-D AMINE	4.00 E	1.000 lb/ac	PRE									
41A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	65	88	0	65	98	0	45	88
41B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
41C	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
41D	DICAMBA	4.00 S	0.500 lb/ac	PRE									
42A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	90	80	0	90	100	0	83	100
42B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
42C	ALACHLOR	4.00 MT	2.500 lb/ac	PRE									
42D	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
43A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	90	78	0	90	100	0	88	100
43B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE									
43C	METALACHLOR + ATRAZI	6.00 L	3.600 lb/ac	PRE									

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TABLE C0004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS-----				-----8 WEEKS-----			
					CRIN	GGGGG	BBBBB	CRIN	SETFA	AMARE	CRIN	SETFA	AMARE
55A	MON 8422	4.00 ME	2.500 lb/ac	PRE	0	85	68	0	85	100	0	70	98
55B	ATRAZINE	4.00 L	1.250 lb/ac	PRE									
55C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
55D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
56A	MON 8422	4.00 ME	2.500 lb/ac	PRE	0	88	65	0	88	100	0	75	95
56B	ATRAZINE	4.00 L	1.600 lb/ac	PRE									
56C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
56D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
57A	MON 8435	7.50 EC	2.000 lb/ac	PRE	0	80	68	0	80	100	0	70	100
57B	ATRAZINE	4.00 L	1.250 lb/ac	PRE									
57C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
57D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
58A	V-53482	50.00 WDG	0.063 lb/ac	PRE	10	88	78	0	88	100	0	73	100
58B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
58C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
58D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
59A	V-53482	50.00 WDG	0.094 lb/ac	PRE	25	85	85	0	88	100	0	60	100
59B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
59C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
59D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
60A	V-53482	50.00 WDG	0.063 lb/ac	PRE	13	88	73	0	88	100	0	78	93
60B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
60C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
60D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
61A	V-53482	50.00 WDG	0.094 lb/ac	PRE	25	88	80	0	88	98	0	80	90
61B	METOLACHLOR	8.00 E	2.000 lb/ac	PRE									
61C	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
61D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
62A	V-53482	50.00 WDG	0.063 lb/ac	PRE	15	85	93	0	85	100	0	73	100
62B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
62C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
62D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
63A	V-53482	50.00 WDG	0.094 lb/ac	PRE	25	93	90	0	93	100	0	73	100
63B	ATRAZINE	4.00 L	1.500 lb/ac	PRE									
63C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
63D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									

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TABLE C0004 NO-TILL CORN STALKLAND

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS-----			-----8 WEEKS-----				
					CRIN	GGGGG	BBBBB	CRIN	SETFA	AMARE	CRIN	SETFA	AMARE
64A	UK 3000	3.50 E	3.000 lb/ac	PRE	0	30	68	0	30	80	0	35	78
64B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
64C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
65A	UK 3000	3.50 E	3.500 lb/ac	PRE	0	58	60	0	58	80	0	50	55
65B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
65C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
66A	UK 3000	3.50 E	4.100 lb/ac	PRE	0	50	65	0	50	93	0	53	90
66B	PARAQUAT	2.50 S	0.470 lb/ac	PRE									
66C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
LSD(.05) :					2.3	17.5	24.8	1.8	17	16.3	NS	23	22

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 9
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 7.1 O.M. : 4.50 %
 DATE TREATED : PRE MAY 9
 EP MAY 25
 MP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-----8 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	AMARE	ABUTH	ERICA	CRIN	SETFA	AMARE	ABUTH	HPPVU
12A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	75	78	0	75	80	53	100	0	73	83	55	100
12B	ATRAZINE	4.00 L	1.500 lb/ac	EPP												
12C	GLYPHOSATE	4.00 E	1.000 lb/ac	EPP												
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP												
13A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	75	80	0	75	100	50	100	0	58	100	55	100
13B	ATRAZINE	4.00 L	1.500 lb/ac	EPP												
13C	SC 0224	6.00 AQ	1.000 lb/ac	EPP												
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP												
14A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	68	90	0	70	100	73	100	0	55	100	80	100
14B	ATRAZINE	4.00 L	1.500 lb/ac	EPP												
14C	SC 0224	6.00 AQ	1.000 lb/ac	EPP												
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP												
15A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	90	95	3	90	100	95	93	0	75	100	93	95
15B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
15C	PARAQUAT	2.50 S	0.470 lb/ac	PRE												
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
16A	ICIA 5676	6.40 E	2.500 lb/ac	PRE	90	95	3	90	100	95	93	0	80	98	93	95
16B	ATRAZINE	4.00 L	1.500 lb/ac	PRE												
16C	PARAQUAT	2.50 S	0.470 lb/ac	PRE												
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
17A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	EPP	73	85	0	73	100	75	98	0	60	100	65	98
17B	GLYPHOSATE	4.00 E	0.500 lb/ac	EPP												
17C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP												
18A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	EPP	78	88	0	78	100	70	100	0	63	100	73	100
18B	GLYPHOSATE	4.00 E	0.750 lb/ac	EPP												
18C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP												
19A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	EPP	68	83	0	68	100	60	100	0	68	98	65	100
19B	PARAQUAT	2.50 S	0.470 lb/ac	EPP												
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP												
20A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	EPP	78	88	0	78	100	70	100	0	63	98	75	100
20B	PARAQUAT	2.50 S	0.470 lb/ac	EPP												
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP												
21A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	PRE	83	88	0	83	100	80	95	0	73	100	80	98
21B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE												
21C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												

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TABLE C0006 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----				-----8 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	AMARE	ABUTH	ERICA	CRIN	SETFA	AMARE	ABUTH	HPPVU
22A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	85	78	0	85	95	80	65	0	70	98	80	75
22B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE												
22C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE												
23A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	95	100	3	95	100	100	100	0	90	100	100	100
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP												
23C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP												
23D	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	EP												
24A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	EPP	55	60	0	55	65	38	78	0	45	68	48	75
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP												
24C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP												
24D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP												
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP												
24F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
25A	CYANAZINE	4.00 L	4.000 lb/ac	EPP	88	90	8	88	83	95	100	0	83	70	95	100
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP												
25C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP												
25D	CYANAZINE	4.00 L	2.000 lb/ac	EP												
26A	CYANAZINE	4.00 L	2.000 lb/ac	EPP	50	58	0	50	20	58	100	0	43	35	58	100
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP												
26C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP												
26D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP												
26E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP												
26F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP												
LSD(.05) :					14.5	12.1	3.5	14.2	15.3	26.3	14.4	NS	16.7	12.9	24	14.4

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 9
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 3.0 O.M. : 6.50 %
 DATE TREATED : EPP APRIL 24
 PRE MAY 9
 EP MAY 25
 MP MAY 30

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORVU	CRIN	SORVU
1A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	0	75	0	70
1B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
2A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	0	80	0	78
2B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
3A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	10	98	0	95
3B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
3C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
3D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
4A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	5	98	0	98
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
4C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
4D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
5A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	10	100	0	100
5B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
5C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
5D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
6A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	15	98	0	93
6B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
6C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
7A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	75	0	73
7B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
8A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	0	85	0	83
8B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
9A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	8	100	0	98
9B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
9C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
10A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	8	98	0	93
10B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
10C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				

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TABLE C0007 SHATTERCANE CONTROL IN CORN

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORVU	CRIN	SORVU
11A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	15	98	0	90
11B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
11C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
12A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	8	98	0	93
12B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
12C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
12D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
13A	DPX 79406	25.00 DF	0.016 lb/ac	6LF	20	95	0	90
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
14A	DPX 79406	25.00 DF	0.016 lb/ac	6LF	23	98	0	95
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
14C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LF				
15	CHECK (CULTIVATED)	0.00 CK	0.000		0	0	0	0
16	CHECK (CULTIVATED)	0.00 CK	0.000		0	0	0	0
LSD(.05) :					5.5	7	NS	6

LOCATION : SOUTH FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 18
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.00 %
 DATE TREATED : PPI MAY 18
 6LF JUNE 18

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0012 CORN JOHNSONGRASS PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
1A	BUTYLATE + R-25788	6.70 E	3.000 lb/ac	PPI	10	90	3	80
1B	NICOSULFURON	75.00 DF	0.016 lb/ac	6LF				
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
1D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	6LF				
2A	BUTYLATE + R-25788	6.70 E	3.000 lb/ac	PPI	13	85	5	75
2B	NICOSULFURON	75.00 DF	0.016 lb/ac	6LF				
2C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
2D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LF				
3A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac	PPI	3	45	8	25
3B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
4A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	5	95	3	88
4B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
4C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
4D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
5A	BUTYLATE + R-25788	6.70 E	3.000 lb/ac	PPI	0	98	5	85
5B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	6LF				
5C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
5D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LF				
6A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac	PPI	3	93	0	90
6B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
6C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
6D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
7A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac	PPI	3	43	0	38
7B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
8A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	10	85	3	78
8B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
8C	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
8D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
9A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac	PPI	0	85	0	85
9B	ATRAZINE	4.00 L	1.500 lb/ac	PPI				
9C	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
10A	EPTC+R25788+R33865	6.00 EC	3.000 lb/ac	PPI	15	75	5	70
10B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
10C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0012 CORN JOHNSONGRASS PREPLANT AND POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--4 WEEKS--		--8 WEEKS--	
					CRIN	SORHA	CRIN	SORHA
11A	EPTC+R25788+R33865	6.00 EC	3.000 lb/ac	PPI	5	73	8	68
11B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
12A	EPTC+R25788+R33865	6.00 EC	4.500 lb/ac	PPI	10	90	0	70
12B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
LSD(.05) :					8.9	18.1	NS	23.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 3.40 %
 DATE TREATED : PPI MAY 8
 6LF JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0014 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	5	85	8	80
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
2A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	5	85	5	83
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
2C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
3A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	8	88	8	88
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
4A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	80	5	78
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
4C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
5A	NICOSULFURON	75.00 DF	0.063 lb/ac	6LC	8	73	5	78
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
5C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
6A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	5	65	5	70
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
7A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	3	88	0	88
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
8A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	78	0	83
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
8C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
9A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	5	65	5	60
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
9C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
10A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	10	60	10	55
10B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
11A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	3	80	3	65
11B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
12A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	8	70	5	70
12B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
12C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0014 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
13A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	8	83	5	85
13B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
14A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	8	83	5	78
14B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
14C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
15A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	5	75	10	73
15B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
15C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
16A	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	15	65	13	60
16B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J				
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
16D	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+10				
16E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+10				
17A	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	15	58	10	58
17B	PRIMISULFURON	75.00 WDG	0.027 lb/ac	10J				
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
17D	PRIMISULFURON	75.00 WDG	0.009 lb/ac	+10				
17E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+10				
18A	DICAMBA	4.00 S	0.250 lb/ac	6LF	15	65	8	58
18B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
19A	DICAMBA	4.00 S	0.250 lb/ac	6LF	5	80	3	75
19B	NICOSULFUON	75.00 DF	0.031 lb/ac	6LF				
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
20A	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac	PPI	3	75	5	78
20B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
21A	CYANAZINE	4.00 L	3.000 lb/ac	PPI	0	68	5	78
21B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
22A	DPX 79406	25.00 DF	0.016 lb/ac	6LF	0	88	0	90
22B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0014 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
23A	DPX 79406	25.00 DF	0.016 lb/ac	6LF	0	73	5	73
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
23C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LF				
24	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
LSD(.05) :					10.8	NS	NS	22.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 8
 VARIETY : PIONEER 3320

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 3.40 %
 DATE TREATED : PRE MAY 8
 6LF JUNE 6
 10J JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0015 CORN TOLERANCE SCREENING

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	4 WK CRIN	8 WK CRIN
1	IMAZAQUIN	1.50 AS	0.063 lb/ac	PPI	58	63
2A	IMAZAQUIN	1.50 AS	0.063 lb/ac	PPI	43	38
2B	ADVANTAGE	0.00	0.000 lb/ac			
3	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI	88	70
4A	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI	45	20
4B	ADVANTAGE	0.00	0.000 lb/ac			
5	CHLORIMURON	25.00 DF	0.026 lb/ac	PPI	93	95
6A	CHLORIMURON	25.00 DF	0.026 lb/ac	PPI	55	55
6B	ADVANTAGE	0.00	0.000 lb/ac			
7	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI	30	20
8A	TRIFLURALIN	4.00 E	0.500 lb/ac	PPI	25	18
8B	ADVANTAGE	0.00	0.000 lb/ac			
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	8	3
9B	ATRAZINE	4.00 L	1.500 lb/ac	PPI		
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	8	5
10B	ATRAZINE	4.00 L	1.500 lb/ac	PPI		
10C	ADVANTAGE	0.00	0.000 lb/ac			
11A	NICOSULFURON	75.00 DF	0.031 lb/ac	MP	0	3
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP		
12A	NICOSULFURON	75.00 DF	0.031 lb/ac	MP	8	3
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP		
12C	ADVANTAGE	0.00	0.000 lb/ac			
13A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP	0	5
13B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP		
14A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	MP	8	8
14B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP		
14C	ADVANTAGE	0.00	0.000 lb/ac			
15	CHECK (CULTIVATED)	0.00 CK	0.000		0	0

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0015 CORN TOLERANCE SCREENING

<u>TRT</u> <u>NO.</u>	<u>HERBICIDE</u> <u>TREATMENT</u>	<u>FORMULA</u>	<u>RATE</u>	<u>APPL</u> <u>METH</u>	<u>4 WK</u> <u>CRIN</u>	<u>8 WK</u> <u>CRIN</u>
16	CHECK (CULTIVATED)	0.00 CK	0.000		0	0
LSD(.05) :					12	14.1

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : MAY 15
VARIETY :

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5 O.M. : 3.50 %
DATE TREATED : PPI MAY 15
MP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D- -----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	HELAN
1	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	95	25	0	95	25	25	8
2	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	98	30	3	98	48	53	5
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	100	63	5	100	78	30	93
3B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE								
4A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	100	90	0	100	100	88	98
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
5A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	100	100	5	100	100	100	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.500 lb/ac	PRE								
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	98	58	0	98	48	50	85
6B	METRIBUZIN 2	75.00 DF	0.375 lb/ac	PRE								
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	55	100	83	25	100	80	90	90
7B	V-53482	50.00 WDG	0.047 lb/ac	PRE								
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	78	100	88	35	100	90	90	88
8B	V-53482	50.00 WDG	0.063 lb/ac	PRE								
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	68	100	90	43	100	95	98	88
9B	V-53482	50.00 WDG	0.078 lb/ac	PRE								
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	88	100	90	55	100	95	95	90
10B	V-53482	50.00 WDG	0.094 lb/ac	PRE								
11	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	98	18	0	98	28	28	10
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	90	3	100	98	85	95
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	93	0	100	100	93	100
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
14A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	100	13	100	100	100	100
14B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
14C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
15A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	98	10	100	100	98	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
15C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-140- -----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	HELAN
16A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	100	90	0	100	98	93	98
16B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	PRE								
17A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	98	10	100	100	98	100
17B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE								
17C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
18A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	98	10	100	100	98	100
18B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	PRE								
18C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
19A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	90	0	100	100	90	98
19B	CHLORIM + LINURON	60.00 DF	0.600 lb/ac	PRE								
20A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	100	98	8	100	100	98	100
20B	CHLORIM + LINURON	60.00 DF	0.600 lb/ac	PRE								
20C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
20D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
21A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	100	98	5	100	100	98	100
21B	DPX 8259	60.00 DF	0.600 lb/ac	PRE								
22A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	100	100	10	100	100	100	100
22B	DPX 8259	60.00 DF	0.600 lb/ac	PRE								
22C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP								
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
23	METRIBUZIN 2	75.00 DF	0.375 lb/ac	PRE	0	78	58	0	78	48	50	75
24	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE	0	90	93	3	90	100	93	98
25	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	0	88	90	5	88	100	85	100
26	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE	0	85	90	0	85	100	85	93
27	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	95	90	3	95	98	88	90
28	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PRE	0	95	90	8	95	100	90	88
29	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PRE	0	95	90	3	95	100	90	98

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----						
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	IPOHE	HELAN
30	CLOMAZONE	4.00 EC	0.750 lb/ac PRE		0	100	45	0	100	65	20	60
31A	CLOMAZONE	4.00 EC	1.000 lb/ac PRE		0	100	63	0	100	85	50	68
31B	LINURON	4.00 L	0.500 lb/ac PRE									
32	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	100	100
LSD(.05) :					12.9	5.4	10.6	7.5	5.4	24	15	14

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PRE MAY 11
 EP JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	IPOHE	HELAN
1	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	88	13	10	10
2	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	93	23	8	8
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	88	53	15	90
3B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE					
4A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	90	93	80	95
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE					
5A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	90	98	90	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.500 lb/ac	PRE					
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	88	35	13	88
6B	METRIBUZIN 2	75.00 DF	0.375 lb/ac	PRE					
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	3	90	73	73	88
7B	V-53482	50.00 WDG	0.047 lb/ac	PRE					
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	8	85	78	73	80
8B	V-53482	50.00 WDG	0.063 lb/ac	PRE					
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	10	88	75	80	78
9B	V-53482	50.00 WDG	0.078 lb/ac	PRE					
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	13	85	75	73	80
10B	V-53482	50.00 WDG	0.094 lb/ac	PRE					
11	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	98	8	3	5
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	98	83	93
12B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE					
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	100	88	98
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE					
14A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	95	98	90	100
14B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE					
14C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP					
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP					
15A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	90	100	88	100
15B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE					
15C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP					
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	IPOHE	HELAN
16A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	93	78	93
16B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	PRE					
17A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	90	100	90	98
17B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	PRE					
17C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP					
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP					
18A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	90	100	90	100
18B	CHLOR. + METRI. 1:10	75.00 DF	0.375 lb/ac	PRE					
18C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP					
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP					
19A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	90	83	93
19B	CHLORIM + LINURON	60.00 DF	0.600 lb/ac	PRE					
20A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	95	100	90	95
20B	CHLORIM + LINURON	60.00 DF	0.600 lb/ac	PRE					
20C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP					
20D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP					
21A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	90	98	90	95
21B	DPX 8259	60.00 DF	0.600 lb/ac	PRE					
22A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	93	98	90	100
22B	DPX 8259	60.00 DF	0.600 lb/ac	PRE					
22C	CHLORIMURON	25.00 DF	0.008 lb/ac	EP					
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP					
23	METRIBUZIN 2	75.00 DF	0.375 lb/ac	PRE	0	43	40	25	58
24	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE	0	65	95	75	95
25	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE	0	78	93	70	98
26	CHLORIM + LINURON	60.00 DF	0.525 lb/ac	PRE	0	60	98	65	80
27	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	90	88	83	85
28	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PRE	0	90	93	73	78
29	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PRE	0	88	93	78	88

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TABLE S0011 SOYBEAN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----8 WEEKS AFTER APPLIED----				
					CRIN	SETFA	XANOR	IPOHE	HELAN
30	CLOMAZONE	4.00 EC	0.750 lb/ac	PRE	0	95	50	13	65
31A	CLOMAZONE	4.00 EC	1.000 lb/ac	PRE	0	93	65	23	58
31B	LINURON	4.00 L	0.500 lb/ac	PRE					
32	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100
LSD(.05) :					2.2	9	21.7	13.3	14.6

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.50 %
 DATE TREATED : PRE MAY 11
 EP JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
1	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	0	98	35	0	98	28	58	25	13
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PPI	5	100	68	3	100	75	88	40	88
2B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PPI									
3A	ALACHLOR	4.00 MT	2.000 lb/ac	PPI	0	100	93	3	100	98	100	93	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI									
4A	ALACHLOR	4.00 MT	2.000 lb/ac	PPI	0	98	63	0	98	75	98	23	98
4B	METRIBUZIN 2	75.00 DF	0.375 lb/ac	PPI									
5	METRIBUZIN 2	75.00 DF	0.375 lb/ac	PPI	0	83	65	0	83	68	100	35	90
6	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI	0	95	90	3	95	95	100	90	88
7	CHLOR. + METRI. 1:6	75.00 DF	0.500 lb/ac	PPI	0	93	95	0	93	100	100	85	100
8	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PPI	0	100	93	3	100	100	100	93	100
9	IMAZAQUIN + TRIFLURA	3.00 EC	0.875 lb/ac	PPI	0	100	90	5	100	100	100	93	95
10	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	98	53	0	98	30	78	70	10
11	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	0	100	63	0	100	83	100	43	65
12A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	0	100	90	3	100	100	100	88	98
12B	IMAZAQUIN	1.50 AS	0.093 lb/ac	PPI									
13A	CLOMAZONE	4.00 EC	0.750 lb/ac	PPI	0	100	80	0	100	83	100	80	65
13B	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI									
14	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	3	100	83	3	100	75	100	78	60
15A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	5	100	90	8	100	100	100	90	93
15B	IMAZAQUIN	1.50 AS	0.063 lb/ac	PPI									
16A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	100	90	8	100	100	100	90	100
16B	IMAZAQUIN	1.50 AS	0.093 lb/ac	PPI									
17A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	10	100	90	5	100	100	100	90	98
17B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI									

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TABLE S0013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D- -----4 WEEKS AFTER APPLIED-----								
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
18A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	5	100	93	3	100	100	100	93	100
18B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI									
19	TRIFLUR.+ METRIBUZIN	4.00 EC	1.380 lb/ac	PPI	0	98	80	0	98	63	93	78	93
20A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	98	93	0	98	98	100	93	98
20B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI									
21A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	100	90	3	100	95	100	90	93
21B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	PPI									
22A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	100	88	3	100	85	100	83	93
22B	CLOMAZONE	4.00 EC	0.380 lb/ac	PPI									
23A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	15	100	90	5	100	83	100	88	95
23B	TRIFLUR. + CLOMAZONE	5.25 EC	0.660 lb/ac	PPI									
24A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	0	98	90	3	98	98	100	83	95
24B	PENDAMETHALIN + IMAZ	2.33 EC	0.440 lb/ac	PPI									
25A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	0	98	90	8	98	100	100	88	95
25B	IMAZAQUIN + TRIFLURA	3.00 EC	0.470 lb/ac	PPI									
26A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	100	90	0	100	98	100	85	98
26B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	PRE									
27A	METRIBUZIN 1	75.00 DF	0.300 lb/ac	PPI	0	100	90	5	100	98	100	90	100
27B	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PPI									
28A	METRIBUZIN 1	75.00 DF	0.380 lb/ac	PPI	0	100	90	0	100	93	100	88	90
28B	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI									
29	METALACHLOR + METRIB	8.00 EC	2.750 lb/ac	PPI	0	100	75	3	100	78	98	58	85
30A	METALACHLOR + METRIB	8.00 EC	2.000 lb/ac	PPI	5	100	80	0	100	93	100	63	93
30B	CLOMAZONE	4.00 EC	0.380 lb/ac	PPI									
31A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	PPI	5	100	90	3	100	98	100	85	100
31B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI									
32	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	100	43	0	100	28	55	35	8

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TABLE S0013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-14D-	-----4 WEEKS AFTER APPLIED-----							
					CRIN	GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
33A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	5	100	100	0	100	100	100	100	100
33B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI									
34A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	15	100	93	3	98	100	100	93	98
34B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI									
35A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	100	70	0	93	68	93	68	78
35B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI									
36	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	93	48	0	93	18	85	88	0
37A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	100	90	5	100	100	100	90	100
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI									
38A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	5	98	70	3	98	30	98	93	50
38B	V-53482	50.00 WDG	0.063 lb/ac	PPI									
39A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	8	98	75	0	98	63	90	93	73
39B	V-53482	50.00 WDG	0.078 lb/ac	PPI									
40A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	13	98	83	5	98	65	100	95	75
40B	V-53482	50.00 WDG	0.094 lb/ac	PPI									
41A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	25	100	88	8	100	83	100	98	88
41B	V-53482	50.00 WDG	0.063 lb/ac	PRE									
42	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	0	100	100	100	100	100
LSD(.05) :					5.1	5	11	5.5	6.1	23.9	12.5	14.7	17.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PPI MAY 11
 PRE MAY 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
1	ALACHLOR	4.00 MT	2.500 lb/ac PPI		0	85	18	45	10	25
2A	ALACHLOR	4.00 MT	2.500 lb/ac PPI		0	98	63	100	3	98
2B	METRIBUZIN 1	4.00 F	0.500 lb/ac PPI							
3A	ALACHLOR	4.00 MT	2.000 lb/ac PPI		0	93	95	100	83	98
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac PPI							
4A	ALACHLOR	4.00 MT	2.000 lb/ac PPI		0	85	53	100	10	85
4B	METRIBUZIN 2	75.00 DF	0.375 lb/ac PPI							
5	METRIBUZIN 2	75.00 DF	0.375 lb/ac PPI		0	38	50	95	18	78
6	IMAZAQUIN	1.50 AS	0.125 lb/ac PPI		0	75	93	100	63	95
7	CHLOR. + METRI. 1:6	75.00 DF	0.500 lb/ac PPI		0	70	98	100	78	100
8	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac PPI		0	90	95	100	90	98
9	IMAZAQUIN + TRIFLURA	3.00 EC	0.875 lb/ac PPI		0	98	98	100	85	93
10	PENDIMETHALIN	4.00 E	1.000 lb/ac PPI		0	95	20	85	58	3
11	CLOMAZONE	4.00 EC	1.000 lb/ac PPI		0	98	80	100	3	70
12A	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		0	98	98	100	75	98
12B	IMAZAQUIN	1.50 AS	0.093 lb/ac PPI							
13A	CLOMAZONE	4.00 EC	0.750 lb/ac PPI		0	100	68	88	63	55
13B	TRIFLURALIN	4.00 E	0.750 lb/ac PPI							
14	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac PPI		0	98	50	100	68	53
15A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac PPI		0	100	95	100	88	95
15B	IMAZAQUIN	1.50 AS	0.063 lb/ac PPI							
16A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac PPI		0	100	95	100	85	95
16B	IMAZAQUIN	1.50 AS	0.093 lb/ac PPI							
17A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac PPI		0	98	93	100	83	95
17B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac PPI							

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TABLE S0013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
18A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	100	98	100	85	98
18B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PPI						
19	TRIFLUR.+ METRIBUZIN	4.00 EC	1.380 lb/ac	PPI	0	95	45	88	63	80
20A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	90	95	100	78	100
20B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI						
21A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	98	83	100	90	93
21B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	PPI						
22A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	98	73	98	63	95
22B	CLOMAZONE	4.00 EC	0.380 lb/ac	PPI						
23A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	0	100	63	98	83	93
23B	TRIFLUR. + CLOMAZONE	5.25 EC	0.660 lb/ac	PPI						
24A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	0	93	88	100	73	100
24B	PENDAMETHALIN + IMAZ	2.33 EC	0.440 lb/ac	PPI						
25A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.000 lb/ac	PPI	0	98	98	100	80	98
25B	IMAZAQUIN + TRIFLURA	3.00 EC	0.470 lb/ac	PPI						
26A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	93	85	100	83	100
26B	METRIBUZIN 1	75.00 DF	0.250 lb/ac	PRE						
27A	METRIBUZIN 1	75.00 DF	0.300 lb/ac	PPI	0	93	95	100	90	98
27B	IMAZETHAPYR + PENDIM	3.00 E	0.940 lb/ac	PPI						
28A	METRIBUZIN 1	75.00 DF	0.380 lb/ac	PPI	0	95	83	100	78	93
28B	TRIFLUR. + CLOMAZONE	5.25 EC	1.310 lb/ac	PPI						
29	METALACHLOR + METRIB	8.00 EC	2.750 lb/ac	PPI	0	98	70	100	23	88
30A	METALACHLOR + METRIB	8.00 EC	2.000 lb/ac	PPI	0	95	88	100	23	98
30B	CLOMAZONE	4.00 EC	0.380 lb/ac	PPI						
31A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	PPI	0	95	95	93	58	98
31B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI						
32	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	98	35	50	25	10

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TABLE S0013 SOYBEAN PREPLANT INCORPORATED

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
33A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	95	100	100	90	100
33B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PPI						
34A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	93	100	100	90	95
34B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI						
35A	ALACHLOR + TRIFLUR.	3.00 E	3.000 lb/ac	PPI	0	95	40	100	48	63
35B	CLOMAZONE	4.00 EC	0.500 lb/ac	PPI						
36	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	90	13	80	63	0
37A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	90	98	100	90	95
37B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI						
38A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	93	23	95	78	40
38B	V-53482	50.00 WDG	0.063 lb/ac	PPI						
39A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	98	30	98	83	68
39B	V-53482	50.00 WDG	0.078 lb/ac	PPI						
40A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	95	43	100	90	75
40B	V-53482	50.00 WDG	0.094 lb/ac	PPI						
41A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	68	100	90	78
41B	V-53482	50.00 WDG	0.063 lb/ac	PRE						
42	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					NS	10.7	25.9	14.6	18.1	18.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PPI MAY 11
 PRE MAY 11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0023 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
1A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	98	88	3	98	100	98	93	80
1B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	EP								
2A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	78	0	100	95	90	90	65
2B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	LP								
3A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	93	5	100	100	100	93	95
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP								
4A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	90	10	100	100	100	93	98
4B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP								
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP								
5A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	70	38	100	100	100	95	95
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
5C	DASH	0.00 AD	1.000 qt/ac	EP								
5D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP								
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	90	0	100	100	100	93	95
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
6C	INHANCE	0.00 AD	1.250 qt/ac	EP								
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	93	0	100	100	100	95	93
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
7C	INHANCE	0.00 AD	2.250 qt/ac	EP								
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	90	13	100	100	100	93	95
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
8D	AMMONIUM SULFATE	99.99 WA	17.000 %	EP								
9A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	100	95	13	100	98	100	98	100
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
9C	SUNFLOWER OIL	0.00 AD	1.000 qt/ac	EP								
9D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP								
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	83	18	100	95	95	88	75
10B	AC 263-222	2.00 AS	0.008 lb/ac	MP								
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								

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TABLE S0023 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	35	100	95	88	90	85
11B	AC 263-222	2.00 AS	0.016 lb/ac	MP								
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
12A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	85	50	100	95	93	90	75
12B	AC 263-222	2.00 AS	0.024 lb/ac	MP								
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
13A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	18	100	98	98	90	85
13B	AC 263-222	2.00 AS	0.008 lb/ac	MP								
13C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP								
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	30	100	100	95	90	83
14B	AC 263-222	2.00 AS	0.016 lb/ac	MP								
14C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP								
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	48	100	98	90	90	88
15B	AC 263-222	2.00 AS	0.024 lb/ac	MP								
15C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP								
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
16A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	13	100	100	98	93	85
16B	AC 263-222	2.00 AS	0.008 lb/ac	MP								
16C	IMAZAQUIN	1.50 AS	0.063 lb/ac	MP								
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	28	100	98	100	93	90
17B	AC 263-222	2.00 AS	0.016 lb/ac	MP								
17C	IMAZAQUIN	1.50 AS	0.063 lb/ac	MP								
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	100	90	43	100	98	93	88	90
18B	AC 263-222	2.00 AS	0.024 lb/ac	MP								
18C	IMAZAQUIN	1.50 AS	0.063 lb/ac	MP								
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	100	85	3	100	98	95	93	78
19B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	EP								
20A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	100	90	10	100	100	98	93	80
20B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP								
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0023 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
21A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	100	90	0	100	100	100	93	95
21B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI								
21C	CHLORIMURON	25.00 DF	0.088 lb/ac	MP								
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
22A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	100	88	5	100	98	95	93	83
22B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
22C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
23A	ETHALFLURALIN	3.00 E	1.125 lb/ac	PPI	100	90	13	100	98	100	98	75
23B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP								
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
24A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	100	90	10	100	100	100	95	88
24B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP								
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
25A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	100	90	10	100	98	100	93	85
25B	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP								
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
26A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	98	70	33	98	100	100	93	98
26B	BENTAZON	4.00 E	0.750 lb/ac	MP								
26C	ACIFLUORFEN	2.00 L	0.130 lb/ac	MP								
26D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
27A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	100	90	3	100	100	100	90	90
27B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP								
27C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP								
27D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
28	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					NS	NS	18.7	NS	NS	6.1	NS	10.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.40 %
 DATE TREATED : PPI MAY 11
 EP JUNE 1
 MP JUNE 6
 LP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0023 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
1A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	98	85	90	68	55
1B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	EP						
2A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	95	88	90	58	43
2B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	LP						
3A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	98	98	100	93	93
3B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
3D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP						
4A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	98	95	98	95	98
4B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP						
4D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP						
5A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	70	88	98	78	85
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
5C	DASH	0.00 AD	1.000 qt/ac	EP						
5D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP						
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	100	93	98	95	95
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
6C	INHANCE	0.00 AD	1.250 qt/ac	EP						
7A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	100	90	98	90	93
7B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
7C	INHANCE	0.00 AD	2.250 qt/ac	EP						
8A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	98	88	98	90	93
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
8D	AMMONIUM SULFATE	99.99 WA	17.000 %	EP						
9A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	0	100	93	100	93	98
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
9C	SUNFLOWER OIL	0.00 AD	1.000 qt/ac	EP						
9D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP						
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	93	58	88	53	58
10B	AC 263-222	2.00 AS	0.008 lb/ac	MP						
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						

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TABLE S0023 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	100	75	80	50	60
11B	AC 263-222	2.00 AS	0.016 lb/ac	MP						
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
12A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	8	98	95	90	63	53
12B	AC 263-222	2.00 AS	0.024 lb/ac	MP						
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
13A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	95	95	98	63	68
13B	AC 263-222	2.00 AS	0.008 lb/ac	MP						
13C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP						
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	5	100	100	88	73	65
14B	AC 263-222	2.00 AS	0.016 lb/ac	MP						
14C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP						
14D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	100	88	93	85	83
15B	AC 263-222	2.00 AS	0.024 lb/ac	MP						
15C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP						
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
16A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	98	98	95	73	75
16B	AC 263-222	2.00 AS	0.008 lb/ac	MP						
16C	IMAZAQUIN	1.50 AS	0.063 lb/ac	MP						
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	95	98	93	45	80
17B	AC 263-222	2.00 AS	0.016 lb/ac	MP						
17C	IMAZAQUIN	1.50 AS	0.063 lb/ac	MP						
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	95	100	88	55	80
18B	AC 263-222	2.00 AS	0.024 lb/ac	MP						
18C	IMAZAQUIN	1.50 AS	0.063 lb/ac	MP						
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	PPI	0	100	65	90	65	53
19B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	EP						
20A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	93	58	95	60	45
20B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP						
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0023 SOYBEAN PREPLANT INCORPORATED II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	CHEAL	IPOHE	HELAN
21A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	93	93	100	90	95
21B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI						
21C	CHLORIMURON	25.00 DF	0.088 lb/ac	MP						
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
22A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	98	100	88	90	83
22B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
22C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
23A	ETHALFLURALIN	3.00 E	1.125 lb/ac	PPI	0	95	45	98	68	30
23B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP						
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
24A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	100	63	100	83	93
24B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP						
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
25A	TRIFLUR. + CLOMAZONE	5.25 EC	1.640 lb/ac	PPI	0	100	50	100	85	75
25B	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP						
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
26A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	90	65	98	80	98
26B	BENTAZON	4.00 E	0.750 lb/ac	MP						
26C	ACIFLUORFEN	2.00 L	0.130 lb/ac	MP						
26D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP						
27A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	98	95	98	88	98
27B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP						
27C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP						
27D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
28	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					3.1	NS	19.4	8.7	24.1	18

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.40 %
 DATE TREATED : PPI MAY 11
 EP JUNE 1
 MP JUNE 6
 LP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
1A	LACTOFEN	2.00 E	0.200 lb/ac	MP	83	85	80	83	88	0	83	90	88	95
1B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
2A	LACTOFEN	2.00 E	0.200 lb/ac	MP	80	90	85	78	78	0	78	83	83	90
2B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
3A	LACTOFEN	2.00 E	0.150 lb/ac	MP	55	95	75	65	70	0	65	68	65	75
3B	BENTAZON	4.00 E	0.500 lb/ac	MP										
3C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
4A	LACTOFEN	2.00 E	0.150 lb/ac	MP	85	100	85	78	88	3	78	90	78	100
4B	BENTAZON	4.00 E	0.500 lb/ac	MP										
4C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
5A	LACTOFEN	2.00 E	0.150 lb/ac	MP	70	100	80	70	90	5	70	90	88	100
5B	BENTAZON	4.00 E	0.500 lb/ac	MP										
5C	2,4-DB	2.00 E	0.030 lb/ac	MP										
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
6A	LACTOFEN	2.00 E	0.150 lb/ac	EP	100	100	90	90	88	3	90	88	85	93
6B	BENTAZON	4.00 E	0.500 lb/ac	EP										
6C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
6D	RE 45601	0.94 EC	0.074 lb/ac	MP										
6E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
7A	LACTOFEN	2.00 E	0.150 lb/ac	EP	100	100	90	90	90	23	90	90	88	100
7B	BENTAZON	4.00 E	0.500 lb/ac	EP										
7C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
7D	RE 45601	0.94 EC	0.094 lb/ac	MP										
7E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
8A	LACTOFEN	2.00 E	0.150 lb/ac	EP	100	100	90	93	88	3	93	90	80	98
8B	BENTAZON	4.00 E	0.500 lb/ac	EP										
8C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
8D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP										
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
9A	LACTOFEN	2.00 E	0.150 lb/ac	EP	100	100	90	93	90	0	93	90	83	95
9B	BENTAZON	4.00 E	0.500 lb/ac	EP										
9C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
9D	SETHOXYDIM	1.53 EC	0.190 lb/ac	MP										
9E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
19A	LACTOFEN	2.00 E	0.094 lb/ac	EP	100	100	80	93	90	0	90	95	90	100
19B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP										
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
20A	LACTOFEN	2.00 E	0.150 lb/ac	EP	95	95	80	93	90	0	93	90	88	100
20B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP										
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
21A	LACTOFEN	2.00 E	0.150 lb/ac	EP	95	95	83	90	90	0	90	95	90	100
21B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP										
21C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
22A	LACTOFEN	2.00 E	0.200 lb/ac	MP	70	95	80	78	88	5	78	90	85	98
22B	2,4-DB	2.00 E	0.030 lb/ac	MP										
22C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
23A	LACTOFEN	2.00 E	0.200 lb/ac	3LF	88	95	90	88	80	0	88	88	83	100
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
23C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
24A	LACTOFEN	2.00 E	0.100 lb/ac	3LF	95	93	70	90	85	0	90	88	88	85
24B	V-23031	0.83 L	0.026 lb/ac	3LF										
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
24D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
25A	LACTOFEN	2.00 E	0.150 lb/ac	3LF	100	100	80	90	90	0	90	90	73	98
25B	V-23031	0.83 L	0.026 lb/ac	3LF										
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
25D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
25E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
26A	BENTAZON	4.00 E	1.000 lb/ac	3LF	83	90	33	93	80	0	93	90	50	95
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
26C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
27A	BENTAZON	4.00 E	0.500 lb/ac	3LF	90	95	73	90	90	0	90	90	85	88
27B	V-23031	0.83 L	0.026 lb/ac	3LF										
27C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
27D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
27E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
28A	BENTAZON	4.00 E	0.750 lb/ac	3LF	95	93	75	90	88	0	90	90	73	93
28B	V-23031	0.83 L	0.026 lb/ac	3LF										
28C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
28D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
28E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
29A	ACIFLUORFEN	2.00 L	0.250 lb/ac	3LF	95	93	80	90	88	0	90	90	93	93
29B	V-23031	0.83 L	0.026 lb/ac	3LF										
29C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
29D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
29E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
30A	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF	88	93	73	90	90	0	90	90	90	98
30B	V-23031	0.83 L	0.026 lb/ac	3LF										
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
30D	RE 45601	0.94 EC	0.093 lb/ac	+3D										
30E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
31A	FOMESAFEN	2.00 LC	0.188 lb/ac	3LF	100	100	75	90	90	0	90	90	85	98
31B	V-23031	0.83 L	0.026 lb/ac	3LF										
31C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
31D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
31E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
32A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	3LF	55	80	53	100	90	0	100	90	90	98
32B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
32C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
32D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
33A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	3LF	95	93	63	90	90	0	90	95	88	98
33B	V-23031	0.83 L	0.026 lb/ac	3LF										
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF										
33D	RE 45601	0.94 EC	0.094 lb/ac	+3D										
33E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
34A	RE 45601	0.94 EC	0.094 lb/ac	4LF	100	0	0	100	0	0	100	0	0	0
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
35A	RE 45601	0.94 EC	0.094 lb/ac	2LF	100	100	85	90	90	3	90	90	85	95
35B	LACTOFEN	2.00 E	0.200 lb/ac	2LF										
35C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	2LF										

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----				-----4 WEEKS AFTER APPLIED-----					
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
36A	RE 45601	0.94 EC	0.094 lb/ac	4LF	85	95	70	93	88	0	93	90	88	98
36B	LACTOFEN	2.00 E	0.200 lb/ac	4LF										
36C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	4LF										
37A	RE 45601	0.94 EC	0.094 lb/ac	MP	93	90	83	90	80	3	90	83	80	98
37B	LACTOFEN	2.00 E	0.200 lb/ac	MP										
37C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
38A	RE 45601	0.94 EC	0.125 lb/ac	MP	95	90	75	93	80	0	93	83	80	95
38B	LACTOFEN	2.00 E	0.200 lb/ac	MP										
38C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
39A	RE 45601	0.94 EC	0.094 lb/ac	MP	83	88	70	98	85	0	98	85	93	93
39B	LACTOFEN	2.00 E	0.150 lb/ac	MP										
39C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
39D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
40A	RE 45601	0.94 EC	0.094 lb/ac	MP	53	63	33	93	63	0	93	35	95	98
40B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
40C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
41A	RE 45601	0.94 EC	0.125 lb/ac	MP	70	78	18	95	60	0	95	40	85	98
41B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
41C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
42A	RE 45601	0.94 EC	0.094 lb/ac	MP	78	90	78	100	83	0	100	88	83	90
42B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP										
42C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
43A	RE 45601	0.94 EC	0.094 lb/ac	MP	100	100	75	95	90	0	95	90	88	95
43B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP										
43C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
44A	RE 45601	0.94 EC	0.094 lb/ac	MP	70	68	30	93	70	0	93	68	58	98
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP										
44C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
45A	RE 45601	0.94 EC	0.094 lb/ac	2LF	85	83	78	90	75	0	90	88	63	75
45B	V-23031	0.83 L	0.026 lb/ac	2LF										
45C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
46A	RE 45601	0.94 EC	0.094 lb/ac	2LF	100	100	90	88	85	3	88	85	80	95
46B	V-23031	0.83 L	0.052 lb/ac	2LF										
46C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
47A	RE 45601	0.94 EC	0.094 lb/ac	2LF	100	100	90	90	88	10	90	93	80	83
47B	V-23031	0.83 L	0.079 lb/ac	2LF										
47C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
48A	RE 45601	0.94 EC	0.094 lb/ac	4LF	93	90	75	90	75	0	90	85	70	60
48B	V-23031	0.83 L	0.026 lb/ac	4LF										
48C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
49A	RE 45601	0.94 EC	0.094 lb/ac	4LF	100	93	73	93	75	0	93	93	78	83
49B	V-23031	0.83 L	0.052 lb/ac	4LF										
49C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
50A	RE 45601	0.94 EC	0.094 lb/ac	4LF	93	90	85	90	83	0	90	90	85	80
50B	V-23031	0.83 L	0.079 lb/ac	4LF										
50C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
51A	QUIZALOFOP	0.80 L	0.100 lb/ac	COT	95	95	90	80	88	3	80	90	75	88
51B	LACTOFEN	2.00 E	0.200 lb/ac	COT										
51C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	COT										
52A	QUIZALOFOP	0.80 L	0.200 lb/ac	UN	100	100	95	90	90	13	90	90	85	98
52B	LACTOFEN	2.00 E	0.200 lb/ac	UN										
52C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	UN										
53A	QUIZALOFOP	0.80 L	0.100 lb/ac	EP	100	100	93	90	85	3	90	80	80	95
53B	LACTOFEN	2.00 E	0.200 lb/ac	EP										
53C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP										
54A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	58	70	28	93	65	0	93	45	88	98
54B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
54C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
55A	QUIZALOFOP	0.80 L	0.100 lb/ac	EP	100	100	88	90	88	3	90	90	88	95
55B	BENTAZON	4.00 E	0.500 lb/ac	EP										
55C	ACIFLUORFEN	2.00 L	0.250 lb/ac	EP										
55D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP										
56A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	88	100	85	95	85	0	95	88	90	93
56B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP										
56C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
57A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	93	95	75	90	90	0	90	90	83	98
57B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP										
57C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
58A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	85	95	80	90	73	5	90	70	80	90
58B	LACTOFEN	2.00 E	0.200 lb/ac	MP										
58C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
59A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	75	75	20	95	70	0	95	63	45	98
59B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP										
59C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
60A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	98	68	25	100	65	0	100	53	85	95
60B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
60C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
61A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	100	100	75	100	90	0	100	90	93	88
61B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP										
61C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
62A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	100	100	78	95	90	0	95	90	93	98
62B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP										
62C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
63A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	80	95	85	90	83	3	90	83	85	93
63B	LACTOFEN	2.00 E	0.200 lb/ac	MP										
63C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
64A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	70	75	20	93	70	0	93	75	55	98
64B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP										
64C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
65A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	30	63	30	100	60	0	100	50	93	100
65B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
65C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
66A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	100	100	85	98	90	5	98	90	90	95
66B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP										
66C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
67A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	85	100	85	95	90	0	95	90	93	100
67B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP										
67C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
68A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	90	90	80	93	88	0	93	88	88	98
68B	LACTOFEN	2.00 E	0.200 lb/ac	MP										
68C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	MELAN
69A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	78	80	38	95	68	0	95	68	45	98
69B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP										
69C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
70A	RE 45601	0.94 EC	0.094 lb/ac	MP	68	65	20	90	60	0	90	35	80	98
70B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
70C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D										
70D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D										
71A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	80	45	13	100	50	0	100	20	90	95
71B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
71C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D										
71D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D										
72A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	58	55	40	98	50	0	98	18	90	93
72B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
72C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D										
72D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D										
73A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	73	53	15	98	35	0	98	18	90	90
73B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
73C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D										
73D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D										
74A	V-23031	0.83 L	0.026 lb/ac	2LF	95	90	75	83	70	0	83	78	75	80
74B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
74C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
74D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
75A	V-23031	0.83 L	0.026 lb/ac	3LF	83	80	53	90	58	0	90	75	80	53
75B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
75C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
75D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
76A	V-23031	0.83 L	0.026 lb/ac	4LF	70	90	55	90	53	0	90	65	68	38
76B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
76C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
76D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
77A	V-23031	0.83 L	0.040 lb/ac	2LF	90	90	85	88	78	0	88	90	83	83
77B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
77C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
77D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----14 DAY-----			-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	GGGGG	BBBBB	CRIN	SETFA	CHEAL	IPOHE	HELAN
78A	V-23031	0.83 L	0.052 lb/ac	2LF	100	100	83	88	85	0	88	83	83	90
78B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
78C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
78D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
79A	V-23031	0.83 L	0.052 lb/ac	3LF	100	100	80	88	80	0	88	88	83	88
79B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF										
79C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
79D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
80A	V-23031	0.83 L	0.052 lb/ac	4LF	70	93	75	90	78	0	90	85	88	75
80B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
80C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
80D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
81A	V-23031	0.83 L	0.066 lb/ac	2LF	95	95	85	85	88	0	85	88	83	95
81B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
81C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
81D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
82A	V-23031	0.83 L	0.079 lb/ac	2LF	100	95	93	85	85	8	88	90	88	98
82B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF										
82C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
82D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
83A	V-23031	0.83 L	0.079 lb/ac	4LF	90	90	85	78	85	0	78	88	93	85
83B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF										
83C	RE 45601	0.94 EC	0.094 lb/ac	+3D										
83D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D										
84	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	0	100	100	100	100
LSD(.05) :					19	11.3	11.1	12	11.4	6.1	11.9	13.4	17.4	12.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.7 O.M. : 3.50 %
 DATE TREATED : COT MAY 22
 UN MAY 25
 2LF,+3D 5/30,6/1
 3LF,+3D 6/1,4
 EP MAY 30
 4LF,+3D 6/4,7
 MP,+7D 6/4,11

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
1A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	60	70	55
1B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
2A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	53	48	55
2B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
3A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	33	53	48
3B	BENTAZON	4.00 E	0.500 lb/ac	MP				
3C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
4A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	30	93	65
4B	BENTAZON	4.00 E	0.500 lb/ac	MP				
4C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
5A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	18	95	70
5B	BENTAZON	4.00 E	0.500 lb/ac	MP				
5C	2,4-DB	2.00 E	0.030 lb/ac	MP				
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
6A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	68	83	63
6B	BENTAZON	4.00 E	0.500 lb/ac	EP				
6C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
6D	RE 45601	0.94 EC	0.074 lb/ac	MP				
6E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
7A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	55	90	63
7B	BENTAZON	4.00 E	0.500 lb/ac	EP				
7C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
7D	RE 45601	0.94 EC	0.094 lb/ac	MP				
7E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
8A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	83	63	63
8B	BENTAZON	4.00 E	0.500 lb/ac	EP				
8C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
8D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP				
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
9A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	70	75	50
9B	BENTAZON	4.00 E	0.500 lb/ac	EP				
9C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
9D	SETHOXYDIM	1.53 EC	0.190 lb/ac	MP				
9E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
10A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	85	75	63
10B	BENTAZON	4.00 E	0.500 lb/ac	EP				
10C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
10D	QUIZALOFOP	0.80 L	0.188 lb/ac	MP				
10E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
11A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	55	20	58
11B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
12A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	55	63	80
12B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
12C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
13A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	33	45	75
13B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
13C	2,4-DB	2.00 E	0.030 lb/ac	MP				
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
14A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	15	98	48
14B	M6316	25.00 DF	0.004 lb/ac	MP				
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
15A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	33	43	60
15B	M6316	25.00 DF	0.002 lb/ac	MP				
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
16A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	23	95	63
16B	M6316	25.00 DF	0.004 lb/ac	MP				
16C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
17A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	55	98	58
17B	M6316	25.00 DF	0.002 lb/ac	MP				
17C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
18A	LACTOFEN	2.00 E	0.094 lb/ac	EP	0	80	88	73
18B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP				
18C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				

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TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
19A	LACTOFEN	2.00 E	0.094 lb/ac	EP	0	83	98	85
19B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
20A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	75	93	68
20B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP				
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
21A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	88	95	90
21B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
21C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
22A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	33	63	55
22B	2,4-DB	2.00 E	0.030 lb/ac	MP				
22C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
23A	LACTOFEN	2.00 E	0.200 lb/ac	3LF	0	63	48	58
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
23C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
24A	LACTOFEN	2.00 E	0.100 lb/ac	3LF	0	65	58	70
24B	V-23031	0.83 L	0.026 lb/ac	3LF				
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
24D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
25A	LACTOFEN	2.00 E	0.150 lb/ac	3LF	0	68	83	60
25B	V-23031	0.83 L	0.026 lb/ac	3LF				
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
25D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
25E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
26A	BENTAZON	4.00 E	1.000 lb/ac	3LF	0	83	73	43
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
26C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
26D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
27A	BENTAZON	4.00 E	0.500 lb/ac	3LF	0	68	75	60
27B	V-23031	0.83 L	0.026 lb/ac	3LF				
27C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
27D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
27E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
28A	BENTAZON	4.00 E	0.750 lb/ac	3LF	0	85	80	53
28B	V-23031	0.83 L	0.026 lb/ac	3LF				
28C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
28D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
28E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
29A	ACIFLUORFEN	2.00 L	0.250 lb/ac	3LF	0	70	85	75
29B	V-23031	0.83 L	0.026 lb/ac	3LF				
29C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF				
29D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
29E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
30A	CHLORIMURON	25.00 DF	0.008 lb/ac	3LF	0	78	75	75
30B	V-23031	0.83 L	0.026 lb/ac	3LF				
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF				
30D	RE 45601	0.94 EC	0.093 lb/ac	+3D				
30E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
31A	FOMESAFEN	2.00 LC	0.188 lb/ac	3LF	0	83	70	70
31B	V-23031	0.83 L	0.026 lb/ac	3LF				
31C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
31D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
31E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
32A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	3LF	0	90	88	75
32B	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF				
32C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
32D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
33A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	3LF	0	90	95	85
33B	V-23031	0.83 L	0.026 lb/ac	3LF				
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	3LF				
33D	RE 45601	0.94 EC	0.094 lb/ac	+3D				
33E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
34A	RE 45601	0.94 EC	0.094 lb/ac	4LF	0	100	0	0
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
35A	RE 45601	0.94 EC	0.094 lb/ac	2LF	0	70	53	48
35B	LACTOFEN	2.00 E	0.200 lb/ac	2LF				
35C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	2LF				

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TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
36A	RE 45601	0.94 EC	0.094 lb/ac	4LF	0	85	55	50
36B	LACTOFEN	2.00 E	0.200 lb/ac	4LF				
36C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	4LF				
37A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	80	45	58
37B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
37C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
38A	RE 45601	0.94 EC	0.125 lb/ac	MP	0	78	40	55
38B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
38C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
39A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	88	40	70
39B	LACTOFEN	2.00 E	0.150 lb/ac	MP				
39C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
39D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
40A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	93	3	78
40B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
40C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
41A	RE 45601	0.94 EC	0.125 lb/ac	MP	0	93	5	55
41B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
41C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
42A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	93	28	75
42B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
42C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
43A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	90	80	65
43B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
43C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
44A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	90	30	48
44B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
44C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
45A	RE 45601	0.94 EC	0.094 lb/ac	2LF	0	43	58	53
45B	V-23031	0.83 L	0.026 lb/ac	2LF				
45C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
46A	RE 45601	0.94 EC	0.094 lb/ac	2LF	0	45	78	63
46B	V-23031	0.83 L	0.052 lb/ac	2LF				
46C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
47A	RE 45601	0.94 EC	0.094 lb/ac	2LF	0	63	90	53
47B	V-23031	0.83 L	0.079 lb/ac	2LF				
47C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
48A	RE 45601	0.94 EC	0.094 lb/ac	4LF	0	73	55	55
48B	V-23031	0.83 L	0.026 lb/ac	4LF				
48C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
49A	RE 45601	0.94 EC	0.094 lb/ac	4LF	0	73	80	63
49B	V-23031	0.83 L	0.052 lb/ac	4LF				
49C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
50A	RE 45601	0.94 EC	0.094 lb/ac	4LF	0	75	88	63
50B	V-23031	0.83 L	0.079 lb/ac	4LF				
50C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
51A	QUIZALOFOP	0.80 L	0.100 lb/ac	COT	0	43	88	53
51B	LACTOFEN	2.00 E	0.200 lb/ac	COT				
51C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	COT				
52A	QUIZALOFOP	0.80 L	0.200 lb/ac	UN	0	63	88	63
52B	LACTOFEN	2.00 E	0.200 lb/ac	UN				
52C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	UN				
53A	QUIZALOFOP	0.80 L	0.100 lb/ac	EP	0	68	25	60
53B	LACTOFEN	2.00 E	0.200 lb/ac	EP				
53C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
54A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	90	10	60
54B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
54C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
55A	QUIZALOFOP	0.80 L	0.100 lb/ac	EP	0	78	55	55
55B	BENTAZON	4.00 E	0.500 lb/ac	EP				
55C	ACIFLUORFEN	2.00 L	0.250 lb/ac	EP				
55D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EP				
56A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	90	43	55
56B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
56C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
57A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	90	68	50
57B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
57C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
58A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	88	5	45
58B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
58C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
59A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	90	35	35
59B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
59C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
60A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	85	5	78
60B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
60C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
61A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	95	75	83
61B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
61C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
62A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	90	75	80
62B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
62C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
63A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	80	45	60
63B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
63C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
64A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	88	45	23
64B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
64C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
65A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	98	0	80
65B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
65C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
66A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	90	85	78
66B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
66C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
67A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	88	83	78
67B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
67C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
68A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	83	55	48
68B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
68C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				

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TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
69A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	78	38	23
69B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
69C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
70A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	90	0	55
70B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
70C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
70D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
71A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	95	0	65
71B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
71C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
71D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
72A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	93	0	75
72B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
72C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
72D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
73A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	95	0	78
73B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
73C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
73D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
74A	V-23031	0.83 L	0.026 lb/ac	2LF	0	70	25	68
74B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
74C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
74D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
75A	V-23031	0.83 L	0.026 lb/ac	3LF	0	88	50	70
75B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
75C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
75D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
76A	V-23031	0.83 L	0.026 lb/ac	4LF	0	90	68	58
76B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
76C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
76D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
77A	V-23031	0.83 L	0.040 lb/ac	2LF	0	85	48	65
77B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
77C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
77D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				

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TABLE S0014 SOYBEAN POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-8 WEEKS AFTER APPLIED--			
					CRIN	SETFA	CHEAL	IPOHE
78A	V-23031	0.83 L	0.052 lb/ac	2LF	0	83	58	70
78B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
78C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
78D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
79A	V-23031	0.83 L	0.052 lb/ac	3LF	0	85	75	65
79B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3LF				
79C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
79D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
80A	V-23031	0.83 L	0.052 lb/ac	4LF	0	88	65	73
80B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
80C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
80D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
81A	V-23031	0.83 L	0.066 lb/ac	2LF	0	85	73	58
81B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
81C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
81D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
82A	V-23031	0.83 L	0.079 lb/ac	2LF	0	83	90	50
82B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	2LF				
82C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
82D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
83A	V-23031	0.83 L	0.079 lb/ac	4LF	0	80	88	75
83B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	4LF				
83C	RE 45601	0.94 EC	0.094 lb/ac	+3D				
83D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+3D				
84	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100

LSD(.05) : NS 20.2 22.8 22.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.7 O.M. : 3.50 %
 DATE TREATED : COT MAY 22
 UN MAY 25
 2LF,+3D 5/30,6/1
 3LF,+3D 6/1,4
 EP MAY 30
 4LF,+3D 6/4,7
 MP,+7D 6/4,11

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	85	0	93	95	100	100	85
1B	BENTAZON	4.00 E	1.000 lb/ac	MP								
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	88	90	0	88	98	100	100	90
2B	BENTAZON	4.00 E	1.000 lb/ac	MP								
2C	DASH	0.00 AD	1.000 qt/ac	MP								
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	93	0	93	100	100	100	93
3B	BENTAZON	4.00 E	0.750 lb/ac	MP								
3C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP								
3D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	90	0	93	100	100	100	90
4B	BENTAZON	4.00 E	1.000 lb/ac	MP								
4C	2,4-DB	2.00 E	0.030 lb/ac	MP								
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	90	0	95	95	98	100	93
5B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP								
5C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP								
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	93	90	0	93	98	100	98	88
6B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP								
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	93	0	90	98	100	98	90
7B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP								
7C	DASH	0.00 AD	0.500 qt/ac	MP								
8A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	90	68	0	90	65	95	98	90
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP								
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
9A	SETHOXYDIM	1.53 EC	0.280 lb/ac	MP	93	90	0	93	95	98	95	93
9B	BENTAZON	4.00 E	0.750 lb/ac	MP								
9C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP								
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
10A	SETHOXYDIM	1.00 E	0.280 lb/ac	MP	93	90	0	93	95	100	98	90
10B	BENTAZON	4.00 E	0.750 lb/ac	MP								
10C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP								
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
11A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	88	83	0	88	90	88	80	85
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
12A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	93	90	0	93	98	100	100	90
12B	SETHOXYDIM	1.53 EC	0.188 lb/ac	MP								
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
13A	BENTAZON	4.00 E	1.000 lb/ac	MP	15	90	0	15	98	100	98	93
13B	ACTIVATOR 90	0.00 WA	0.250 %	MP								
14A	BENTAZON	4.00 E	1.000 lb/ac	MP	0	95	0	0	100	100	98	95
14B	HERBIMAX	0.00 AD	1.000 qt/ac	MP								
15A	BENTAZON	4.00 E	1.000 lb/ac	MP	95	88	0	95	98	100	93	88
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
15C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP								
16A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	90	85	0	93	95	100	85	93
16B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP								
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
17A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	93	80	0	95	100	100	80	93
17B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP								
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
18A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	95	83	0	95	98	100	83	95
18B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP								
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
19A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	95	90	0	95	100	100	90	93
19B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP								
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
20A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	93	90	0	93	98	100	93	93
20B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP								
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
21A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	90	90	0	90	100	98	88	90
21B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP								
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
22A	M6316	25.00 DF	0.004 lb/ac	MP	98	78	0	98	95	95	95	80
22B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
22C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP								
23A	M6316	25.00 DF	0.008 lb/ac	MP	98	88	0	98	98	98	100	83
23B	BENTAZON	4.00 E	0.500 lb/ac	MP								
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
23D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
23E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP								
24A	M6316	25.00 DF	0.008 lb/ac	MP	95	83	0	95	95	100	93	88
24B	BENTAZON	4.00 E	0.750 lb/ac	MP								
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
24D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP								
25A	M6316	25.00 DF	0.008 lb/ac	MP	98	90	0	98	100	100	100	88
25B	BENTAZON	4.00 E	1.000 lb/ac	MP								
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
25D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP								
25E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP								
26	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					10.5	7.6	NS	10.7	13.7	3.8	7.7	7.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.7 O.M. : 3.50 %
 DATE TREATED : PRE MAY 11
 MP JUNE 4
 LP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	83	90	100	90	85
1B	BENTAZON	4.00 E	1.000 lb/ac	MP						
1C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	78	95	98	98	88
2B	BENTAZON	4.00 E	1.000 lb/ac	MP						
2C	DASH	0.00 AD	1.000 qt/ac	MP						
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	100	98	95	88
3B	BENTAZON	4.00 E	0.750 lb/ac	MP						
3C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP						
3D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	98	100	95	90
4B	BENTAZON	4.00 E	1.000 lb/ac	MP						
4C	2,4-DB	2.00 E	0.030 lb/ac	MP						
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	95	93	98	98	90
5B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP						
5C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP						
6A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	93	98	100	95	85
6B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP						
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	88	95	100	98	85
7B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP						
7C	DASH	0.00 AD	0.500 qt/ac	MP						
8A	ALACHLOR	4.00 MT	2.000 lb/ac	PRE	0	90	60	95	90	78
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP						
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
9A	SETHOXYDIM	1.53 EC	0.280 lb/ac	MP	0	93	88	98	90	90
9B	BENTAZON	4.00 E	0.750 lb/ac	MP						
9C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP						
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
10A	SETHOXYDIM	1.00 E	0.280 lb/ac	MP	0	88	95	100	83	90
10B	BENTAZON	4.00 E	0.750 lb/ac	MP						
10C	ACIFLUORFEN	2.00 L	0.250 lb/ac	MP						
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
11A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	0	85	90	88	75	85
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
12A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE	0	93	95	100	100	90
12B	SETHOXYDIM	1.53 EC	0.188 lb/ac	MP						
12C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
13A	BENTAZON	4.00 E	1.000 lb/ac	MP	0	10	98	100	95	88
13B	ACTIVATOR 90	0.00 WA	0.250 %	MP						
14A	BENTAZON	4.00 E	1.000 lb/ac	MP	0	0	100	100	95	90
14B	HERBIMAX	0.00 AD	1.000 qt/ac	MP						
15A	BENTAZON	4.00 E	1.000 lb/ac	MP	0	95	95	100	90	88
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
15C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
16A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	0	93	95	100	70	90
16B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP						
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
17A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	0	93	100	100	65	88
17B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP						
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
18A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	93	93	100	73	90
18B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP						
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
19A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	93	100	100	85	90
19B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP						
19C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
20A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	0	93	98	100	80	88
20B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP						
20C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
21A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	0	90	88	95	70	88
21B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP						
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0027 SOYBEAN POSTEMERGENCE II

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	XANOR	DATST	CHEAL	IPOHE
22A	M6316	25.00 DF	0.004 lb/ac	MP	0	98	93	93	95	75
22B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
22C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
23A	M6316	25.00 DF	0.008 lb/ac	MP	0	98	95	98	98	78
23B	BENTAZON	4.00 E	0.500 lb/ac	MP						
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
23D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
23E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
24A	M6316	25.00 DF	0.008 lb/ac	MP	0	95	93	100	85	85
24B	BENTAZON	4.00 E	0.750 lb/ac	MP						
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
24D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
25A	M6316	25.00 DF	0.008 lb/ac	MP	0	98	100	100	98	88
25B	BENTAZON	4.00 E	1.000 lb/ac	MP						
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
25D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP						
25E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP						
26	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					NS	9.3	15.3	4.5	12.8	7.4

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.7 O.M. : 3.50 %
 DATE TREATED : PRE MAY 11
 MP JUNE 4
 LP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0033 SOYBEAN POSTEMERGENCE III

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	--2 WEEKS--		--4 WEEKS--		--8 WEEKS--	
					CRIN	SETFA	CRIN	SETFA	CRIN	SETFA
1A	RE 45601	0.94 EC	0.094 lb/ac	3"G	0	80	0	100	0	100
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
2A	RE 45601	0.94 EC	0.094 lb/ac	6"G	0	70	0	100	0	100
2B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
3A	RE 45601	0.94 EC	0.094 lb/ac	9"G	0	30	0	78	0	88
3B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G						
4A	QUIZALOFOP	0.80 L	0.087 lb/ac	3"G	0	70	0	100	0	100
4B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
5A	QUIZALOFOP	0.80 L	0.087 lb/ac	6"G	0	60	0	95	0	100
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
6A	QUIZALOFOP	0.80 L	0.087 lb/ac	9"G	0	13	0	48	0	70
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G						
7A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	3"G	0	70	0	93	0	100
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
8A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	6"G	0	70	0	90	0	95
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
9A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	9"G	0	18	0	38	0	73
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G						
10A	SETHOXYDIM	1.00 E	0.188 lb/ac	3"G	0	73	0	100	0	100
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	3"G						
11A	SETHOXYDIM	1.00 E	0.188 lb/ac	6"G	0	53	0	88	0	98
11B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6"G						
12A	SETHOXYDIM	1.00 E	0.188 lb/ac	9"G	0	18	0	68	0	75
12B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	9"G						
13	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0
				LSD(.05) :	NS	4.4	NS	10	NS	6.4

LOCATION : SPINDLETOP FARM
FERTILIZER APPLIED (LB/ACRE): 60 N,
DATE PLANTED : MAY 11
VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
60 P, 60 K, pH : 6.5
DATE TREATED : 3" G JUNE 6
6" G JUNE 13
9" G JUNE 21

O.M. : 3.50 %

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	PHBPU	SOLNO	ABUTH
1A	CHLORIMURON	25.00 DF	0.008 lb/ac	EP	100	60	10	100	13	90	95	98
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
1C	WILLIAMS 82	0.00	0.000 lb/ac									
2A	CHLORIMURON	25.00 DF	0.008 lb/ac	EP	100	60	0	100	28	90	95	100
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
2C	W-20	0.00	0.000 lb/ac									
3A	CHLORIMURON	25.00 DF	0.016 lb/ac	EP	100	75	20	100	55	93	90	100
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
3C	WILLIAMS 82	0.00	0.000 lb/ac									
4A	CHLORIMURON	25.00 DF	0.016 lb/ac	EP	100	78	0	100	70	90	88	98
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
4C	W-20	0.00	0.000 lb/ac									
5A	CHLORIMURON	25.00 DF	0.030 lb/ac	EP	100	65	25	100	53	98	93	90
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
5C	WILLIAMS 82	0.00	0.000 lb/ac									
6A	CHLORIMURON	25.00 DF	0.030 lb/ac	EP	100	80	0	100	80	90	90	95
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
6C	W-20	0.00	0.000 lb/ac									
7A	M6316	25.00 DF	0.004 lb/ac	EP	100	78	13	100	93	90	53	93
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
7C	WILLIAMS 82	0.00	0.000 lb/ac									
8A	M6316	25.00 DF	0.004 lb/ac	EP	100	75	0	100	93	93	55	95
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
8C	W-20	0.00	0.000 lb/ac									
9A	M6316	25.00 DF	0.008 lb/ac	EP	100	70	20	100	93	90	55	95
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
9C	WILLIAMS 82	0.00	0.000 lb/ac									
10A	M6316	25.00 DF	0.008 lb/ac	EP	100	70	0	100	93	93	50	93
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
10C	W-20	0.00	0.000 lb/ac									
11A	M6316	25.00 DF	0.016 lb/ac	EP	100	75	18	100	98	93	75	100
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
11C	WILLIAMS 82	0.00	0.000 lb/ac									

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	PHBPU	SOLNO	ABUTH
12A	M6316	25.00 DF	0.016 lb/ac	EP	100	83	0	100	100	95	85	95
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
12C	W-20	0.00	0.000 lb/ac									
13A	DPX JL193	50.00 WP	0.010 lb/ac	EP	100	88	68	100	95	93	88	100
13B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
13C	WILLIAMS 82	0.00	0.000 lb/ac									
14A	DPX JL193	50.00 WP	0.010 lb/ac	EP	100	90	0	100	98	93	95	98
14B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
14C	W-20	0.00	0.000 lb/ac									
15A	DPX JL193	50.00 WP	0.020 lb/ac	EP	100	85	88	100	95	88	93	88
15B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
15C	WILLIAMS 82	0.00	0.000 lb/ac									
16A	DPX JL193	50.00 WP	0.020 lb/ac	EP	100	90	0	100	98	93	93	98
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
16C	W-20	0.00	0.000 lb/ac									
17	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
18	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100	100
LSD(.05) :					NS	9.1	6.2	NS	9.6	5.7	18	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 15
 VARIETY :

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EP JUNE 4

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	PHBPU	SOLNO	ABUTH
1A	CHLORIMURON	25.00 DF	0.008 lb/ac	EP	0	100	10	90	95	98
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
1C	WILLIAMS 82	0.00	0.000 lb/ac							
2A	CHLORIMURON	25.00 DF	0.008 lb/ac	EP	0	100	20	90	95	100
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
2C	W-20	0.00	0.000 lb/ac							
3A	CHLORIMURON	25.00 DF	0.016 lb/ac	EP	3	100	43	93	90	100
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
3C	WILLIAMS 82	0.00	0.000 lb/ac							
4A	CHLORIMURON	25.00 DF	0.016 lb/ac	EP	0	100	60	90	88	98
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
4C	W-20	0.00	0.000 lb/ac							
5A	CHLORIMURON	25.00 DF	0.030 lb/ac	EP	0	100	48	98	93	88
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
5C	WILLIAMS 82	0.00	0.000 lb/ac							
6A	CHLORIMURON	25.00 DF	0.030 lb/ac	EP	0	100	73	90	90	95
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
6C	W-20	0.00	0.000 lb/ac							
7A	M6316	25.00 DF	0.004 lb/ac	EP	0	100	93	90	43	88
7B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
7C	WILLIAMS 82	0.00	0.000 lb/ac							
8A	M6316	25.00 DF	0.004 lb/ac	EP	0	100	93	93	48	95
8B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
8C	W-20	0.00	0.000 lb/ac							
9A	M6316	25.00 DF	0.008 lb/ac	EP	3	100	93	90	45	95
9B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
9C	WILLIAMS 82	0.00	0.000 lb/ac							
10A	M6316	25.00 DF	0.008 lb/ac	EP	0	100	93	93	38	93
10B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
10C	W-20	0.00	0.000 lb/ac							
11A	M6316	25.00 DF	0.016 lb/ac	EP	3	100	98	93	68	100
11B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
11C	WILLIAMS 82	0.00	0.000 lb/ac							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0022 SOYBEAN POSTEMERGENCE IV

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	PHBPU	SOLNO	ABUTH
12A	M6316	25.00 DF	0.016 lb/ac	EP	0	100	100	95	80	93
12B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
12C	W-20	0.00	0.000 lb/ac							
13A	DPX JL193	50.00 WP	0.010 lb/ac	EP	38	100	95	93	85	100
13B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
13C	WILLIAMS 82	0.00	0.000 lb/ac							
14A	DPX JL193	50.00 WP	0.010 lb/ac	EP	0	100	98	93	95	98
14B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
14C	W-20	0.00	0.000 lb/ac							
15A	DPX JL193	50.00 WP	0.020 lb/ac	EP	75	100	95	88	93	88
15B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
15C	WILLIAMS 82	0.00	0.000 lb/ac							
16A	DPX JL193	50.00 WP	0.020 lb/ac	EP	0	100	98	93	93	98
16B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
16C	W-20	0.00	0.000 lb/ac							
17	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
18	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	100	100	100	100
LSD(.05) :					NS	9.1	6.2	NS	9.6	5.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 15
 VARIETY :

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EP JUNE 4

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0030 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						-8 WEEKS AFTER APPLIED-			
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH
1A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	98	83	0	98	85	85	0	98	85	73
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
2A	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP	95	73	0	95	65	78	0	95	65	65
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
2C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
3A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP	95	78	0	100	85	93	0	100	85	90
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
3C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP										
4A	AC 263-222	2.00 AS	0.016 lb/ac	MP	90	78	23	98	85	85	23	98	85	85
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
5A	AC 263-222	2.00 AS	0.024 lb/ac	MP	100	70	20	100	73	78	20	100	73	75
5B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
6A	AC 263-222	2.00 AS	0.032 lb/ac	MP	100	75	28	100	85	93	33	100	85	85
6B	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
7A	AC 263-222	2.00 AS	0.008 lb/ac	MP	100	78	10	100	85	83	8	100	85	58
7B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP										
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
8A	AC 263-222	2.00 AS	0.016 lb/ac	MP	100	80	23	100	83	85	18	100	83	83
8B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP										
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
9A	AC 263-222	2.00 AS	0.024 lb/ac	MP	100	90	23	100	90	93	23	100	90	93
9B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP										
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
10A	LACTOFEN	2.00 E	0.200 lb/ac	MP	83	75	5	83	93	75	5	83	93	38
10B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										
11A	LACTOFEN	2.00 E	0.200 lb/ac	MP	80	73	5	80	85	75	5	80	85	45
11B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
11C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
12A	LACTOFEN	2.00 E	0.150 lb/ac	MP	93	70	8	93	88	68	5	93	88	20
12B	BENTAZON	4.00 E	0.500 lb/ac	MP										
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0030 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH
13A	LACTOFEN	2.00 E	0.150 lb/ac	MP	90	80	3	90	98	75	3	90	98	45
13B	BENTAZON	4.00 E	0.500 lb/ac	MP										
13C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
14A	LACTOFEN	2.00 E	0.150 lb/ac	MP	98	83	5	98	93	85	3	98	93	65
14B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP										
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
15A	LACTOFEN	2.00 E	0.150 lb/ac	MP	100	78	8	100	95	80	8	100	95	73
15B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP										
15C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
16A	LACTOFEN	2.00 E	0.200 lb/ac	MP	83	75	0	83	90	68	0	83	90	38
16B	M6316	25.00 DF	0.002 lb/ac	MP										
16C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
17A	LACTOFEN	2.00 E	0.150 lb/ac	MP	88	70	0	88	80	70	0	88	80	35
17B	M6316	25.00 DF	0.004 lb/ac	MP										
17C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
18A	LACTOFEN	2.00 E	0.150 lb/ac	MP	88	73	3	88	88	68	3	88	88	28
18B	M6316	25.00 DF	0.004 lb/ac	MP										
18C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
19A	LACTOFEN	2.00 E	0.094 lb/ac	EP	100	90	5	100	100	98	30	100	100	93
19B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP										
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
20A	LACTOFEN	2.00 E	0.094 lb/ac	EP	100	93	15	100	100	98	13	100	100	95
20B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP										
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
21A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	100	83	0	100	95	83	0	100	95	78
21B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP										
21C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
22A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	98	78	3	98	85	78	3	98	85	73
22B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP										
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0030 VELVETLEAF CONTROL IN SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	ABUTH	CRIN	SETFA	CHEAL	ABUTH
23A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	100	80	0	100	98	83	0	100	98	78
23B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP										
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
24A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	100	88	3	100	95	88	3	100	95	75
24B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP										
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
25A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	100	80	0	100	98	85	0	100	98	80
25B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP										
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
26A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	100	83	0	100	90	88	0	100	90	78
26B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP										
26C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
27A	BENTAZON	4.00 E	0.750 lb/ac	MP	93	78	3	93	88	70	3	93	88	38
27B	ACIFLUORFEN	2.00 L	0.130 lb/ac	MP										
27C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP										
28A	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP	88	70	3	88	88	65	3	98	88	20
28B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
LSD(.05) :					10.6	13.8	8.4	10.1	16.2	11.9	16.2	9.2	16.3	23.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 11
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : EP JUNE 1
 MP JUNE 6

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	LACSE	HHPVU	IPOLA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	88	73	0	88	70	58	98
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP							
1C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
2A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	93	68	0	90	53	58	90
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP							
2C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
3A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	95	98	0	95	100	100	98
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
3C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
4A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	95	95	0	95	100	100	95
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
4C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
5A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	100	70	0	100	58	58	90
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP							
5C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
6A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	95	63	0	95	43	50	85
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP							
6C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
7A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	90	93	0	90	100	95	98
7B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP							
7C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
8A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	75	90	0	75	100	100	85
8B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP							
8C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
9A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	88	95	0	88	100	100	95
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
9C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP							

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	LACSE	HHPVU	IPOLA
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	100	98	0	100	98	100	100
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	93	0	93	95	95	95
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE							
12A	METOLACHLOR	8.00 E	2.000 lb/ac	EPP	93	95	0	93	100	100	95
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP							
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	98	3	98	98	100	98
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE							
13C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	EPP	95	60	0	95	58	38	88
14B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP							
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	100	98	0	100	100	100	98
15B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE							
15C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE							
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE							
16	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	EPP	98	60	0	98	58	48	98
17	IMAZAQUIN + TRIFLURA	3.00 EC	0.875 lb/ac	EPP	100	63	0	100	50	48	95
18A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	95	53	0	95	40	30	85
18B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP							
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	93	93	0	93	100	100	93
19B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
19C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
19D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
20A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	88	93	0	88	100	95	93
20B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
20C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP							
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP							

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TABLE S0017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	LACSE	MHPVU	IPOLA
21A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	95	95	0	90	100	98	95
21B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
21C	PARAQUAT	2.50 S	0.470 lb/ac	EPP							
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP							
22A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	95	95	0	95	100	100	95
22B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
22C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP							
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP							
23A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	93	98	0	93	100	100	98
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP							
24A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	95	88	0	95	83	85	98
24B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP							
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP							
25A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	100	93	0	100	100	100	88
25B	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP							
25C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE							
26A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	93	73	0	93	68	65	90
26B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	EPP							
26C	RO 17 3664	2.00 E	0.063 lb/ac	MP							
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP							

LSD(.05) : 10.4 11 NS 11.3 19.1 13.9 10.8

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 4.5 O.M. : 6.40 %
 DATE TREATED : EPP APRIL 24
 PRE MAY 14
 MP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	DIGSA	LACSE	HPVU	IPOLA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	83	90	68	58	90
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
1C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
2A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	93	98	48	48	90
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
2C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
3A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	90	93	100	100	95
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
3C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
4A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	88	90	100	98	95
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
4C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
5A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	93	93	53	43	88
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP						
5C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
6A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	93	93	50	35	90
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP						
6C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
7A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	83	88	100	98	95
7B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP						
7C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
8A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	80	85	100	100	85
8B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP						
8C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
9A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	88	93	100	100	95
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
9C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						

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TABLE S0017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	DIGSA	LACSE	HHPVU	IPOLA
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	98	98	100	98
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	88	93	98	98	93
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
12A	METOLACHLOR	8.00 E	2.000 lb/ac	EPP	0	90	95	100	100	95
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	3	88	90	95	98	95
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
13C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	EPP	0	93	93	50	28	88
14B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	95	93	100	95	95
15B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
15C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	EPP	0	95	100	60	35	93
17	IMAZAQUIN + TRIFLURA	3.00 EC	0.875 lb/ac	EPP	0	93	95	48	40	93
18A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	90	93	38	25	83
18B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	90	95	100	100	93
19B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
19C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
19D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
20A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	85	95	100	100	90
20B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
20C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						

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TABLE S0017 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	DIGSA	LACSE	HHPVU	IPOLA
21A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	0	90	93	100	98	93
21B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
21C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
22A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	0	90	95	100	100	93
22B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
22C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
23A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	88	93	100	100	93
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
24A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	0	85	88	78	85	95
24B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
25A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	0	93	98	100	100	80
25B	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
25C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE						
26A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	0	100	98	65	78	88
26B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	EPP						
26C	RO 17 3664	2.00 E	0.063 lb/ac	MP						
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
LSD(.05) :					NS	NS	8.1	22.1	19.4	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 4.5 O.M. : 6.40 %
 DATE TREATED : EPP APRIL 24
 PRE MAY 14
 MP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0018 MINIMUM TILLAGE SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----				-----8 WEEKS-----				
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	CRIN	SETFA	DIGSA	IPOLA
1A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	88	85	0	88	85	0	88	75	75
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP									
1C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
2A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	90	88	0	90	88	0	90	88	85
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP									
2C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
3A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	90	95	0	88	95	0	80	83	85
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
3C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
4A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	90	85	0	90	85	0	88	85	88
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
4C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
5A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	93	90	0	93	90	0	90	88	88
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP									
5C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
6A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	95	85	0	95	85	0	95	88	80
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP									
6C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
7A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	90	75	0	90	75	0	83	83	90
7B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP									
7C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
8A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	70	88	28	90	93	0	83	85	90
8B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP									
8C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
9A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	88	75	0	88	75	0	83	85	73
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
9C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP									

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TABLE S0018 MINIMUM TILLAGE SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----				-----8 WEEKS-----				
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	CRIN	SETFA	DIGSA	IPOLA
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	70	93	25	93	95	0	90	93	93
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	73	95	0	73	95	0	70	83	100
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE									
12A	METOLACHLOR	8.00 E	2.000 lb/ac	EPP	90	85	3	90	85	0	90	95	85
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP									
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	98	98	5	98	98	0	93	93	93
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE									
13C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	EPP	93	85	0	93	85	0	90	83	80
14B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP									
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	95	88	0	95	88	0	90	90	83
15B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE									
15C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE									
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE									
16	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	EPP	95	85	0	95	85	0	93	83	88
17	IMAZAQUIN + TRIFLURA	3.00 EC	0.875 lb/ac	EPP	88	90	0	88	90	0	85	80	90
18A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	93	75	0	93	75	0	93	83	83
18B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP									
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	80	93	0	80	93	0	73	78	93
19B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
19C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
19D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
20A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	88	83	0	88	83	0	80	88	73
20B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
20C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP									
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP									

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TABLE S0018 MINIMUM TILLAGE SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----					-----8 WEEKS-----			
					GGGGG	BBBBB	CRIN	SETFA	IPOLA	CRIN	SETFA	DIGSA	IPOLA
21A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	90	95	0	90	95	0	88	90	95
21B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
21C	PARAQUAT	2.50 S	0.470 lb/ac	EPP									
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP									
22A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	88	93	3	88	93	0	85	85	90
22B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
22C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP									
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP									
23A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	83	88	0	83	88	0	68	78	93
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP									
24A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	85	85	0	85	85	0	75	85	88
24B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP									
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP									
25A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	100	90	0	100	90	0	100	100	73
25B	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP									
25C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE									
26A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	95	85	0	95	85	0	100	100	75
26B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	EPP									
26C	RO 17 3664	2.00 E	0.063 lb/ac	MP									
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP									
LSD(.05) :					NS	NS	NS	8.9	NS	NS	11.6	10.7	14.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.4 O.M. : 4.50 %
 DATE TREATED : EPP APRIL 24
 PRE MAY 14
 MP JUNE 13

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	POLPY	HPPVU	CRIN	SETFA	POLPY	HPPVU
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	85	73	10	85	80	78	10	70	83	88
1B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE										
1C	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	85	85	0	85	85	90	0	80	85	90
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE										
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP										
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	80	78	0	80	78	88	0	75	78	85
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE										
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	85	73	10	85	73	90	10	75	73	90
4B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE										
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	78	80	10	78	73	90	10	68	73	85
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE										
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
5D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP										
5E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP										
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	90	88	0	90	88	88	0	90	90	90
6B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
6D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP										
6E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP										
6F	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP										
7A	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PRE	83	80	10	83	80	90	10	68	75	90
7B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
8A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	75	85	0	75	85	88	0	70	85	90
8B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE										

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TABLE S0035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	POLPY	HPPVU	CRIN	SETFA	POLPY	HPPVU
9A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	88	80	0	88	88	80	0	73	88	85
9B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE										
9C	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
10A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	90	53	0	90	68	13	0	90	68	10
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE										
10C	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
11A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	90	83	0	90	83	90	0	90	85	88
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE										
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE										
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	88	20	8	88	15	20	8	85	28	20
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE										
12C	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
13A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	60	75	0	60	75	88	0	88	75	85
13B	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
13D	FOMESAFEN + FLUAZIFO	1.75 EC	0.440 lb/ac	MP										
13E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
14A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	65	80	5	65	85	85	5	88	85	80
14B	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
14D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP										
14E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										
15A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	80	83	0	80	85	88	0	73	85	88
15B	PARAQUAT	2.50 S	0.470 lb/ac	PRE										
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE										
16A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	43	70	0	43	58	90	0	73	58	88
16B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE										
16C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP										
16D	FOMESAFEN	2.00 LC	0.380 lb/ac	MP										
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP										

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TABLE S0035 NO-TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----					-8 WEEKS AFTER APPLIED-				
					GGGGG	BBBBB	CRIN	SETFA	POLPY	HPPVU	CRIN	SETFA	POLPY	HPPVU
17A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	68	60	10	68	48	78	10	60	48	78
17B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE										
17C	ALACHLOR	4.00 MT	2.500 lb/ac	PRE										
17D	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE										
18A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	80	65	8	80	53	85	8	73	53	85
18B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE										
18C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE										
18D	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE										
19A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	85	90	0	85	90	90	0	80	90	90
19B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE										
19C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE										
19D	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE										
20A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	85	83	10	85	83	88	10	78	83	85
20B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE										
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE										
LSD(.05) :					NS	12.8	NS	NS	19.7	14.3	NS	NS	20.1	13.6

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : PRE MAY 14
 EP JUNE 13
 MP JUNE 20

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TABLE S0021 NO-TILL SOYBEANS FULL SEASON **

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	DIGSA	POLPY	AMBEL	LACSE
1A	PARAQUAT	2.50 S	0.470 lb/ac	PRE	0	23	0	0	0	0	0	73
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
2A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	23	0	0	0	0	0	65
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
3A	PARAQUAT	2.50 S	0.750 lb/ac	PRE	0	20	0	0	0	0	0	60
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
4A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	100	100	3	100	100	100	100	100
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
4E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D								
5A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	98	100	3	100	98	100	100	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
5C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
5D	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
6A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	100	95	10	100	100	100	100	85
6B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
6C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
6D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D								
6E	BENTAZON	4.00 E	0.500 lb/ac	21D								
6F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D								
7A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	100	93	8	100	100	100	100	83
7B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
7C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
7D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D								
7E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D								
8A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	100	95	8	100	100	95	100	88
8B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
8C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D								
8D	BENTAZON	4.00 E	0.500 lb/ac	21D								
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D								
9	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	65	85	50	73	58	65	100	100
10A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	100	95	0	100	100	100	100	90
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D								
10E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D								

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TABLE S0021 NO-TILL SOYBEANS FULL SEASON **

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	DIGSA	POLPY	AMBEL	LACSE
11A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	93	95	25	98	93	100	100	88
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
11C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
11D	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE								
12	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0
LSD(.05) :					3.9	6.5	NS	4.6	3.7	8.1	NS	18.7

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PRE MAY 14
 21D JUNE 8

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TABLE S0021 NO-TILL SOYBEANS FULL SEASON **

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	DIGSA	POLPY	AMBEL	LACSE
1A	PARAQUAT	2.50 S	0.470 lb/ac	PRE	0	0	0	0	0	78
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
2A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	0	0	0	0	73
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
3A	PARAQUAT	2.50 S	0.750 lb/ac	PRE	0	0	0	0	0	68
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
4A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	95	95	100	100	100
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D						
4E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D						
5A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	88	93	100	100	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
5C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
5D	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
6A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	98	98	100	100	88
6B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
6C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D						
6D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D						
6E	BENTAZON	4.00 E	0.500 lb/ac	21D						
6F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D						
7A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	98	78	100	100	85
7B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
7C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D						
7D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D						
7E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D						
8A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	95	90	95	100	90
8B	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
8C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D						
8D	BENTAZON	4.00 E	0.500 lb/ac	21D						
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D						
9	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	60	50	70	100	100
10A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	98	98	100	100	93
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D						
10E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D						

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TABLE S0021 NO-TILL SOYBEANS FULL SEASON **

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	DIGSA	POLPY	AMBEL	LACSE
11A	PARAQUAT	2.50 S	0.625 lb/ac	PRE	0	83	83	100	100	90
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
11C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
11D	X-77 (SURFACTANT)	0.50 WA	0.125 %	PRE						
12	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0
LSD(.05) :					NS	6.9	9.6	7	NS	15.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 3.50 %
 DATE TREATED : PRE MAY 14
 21D JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0036 MINIMUM TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	POLPY	SOLNO	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	80	73	0	80	48	88	83	53
1B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
1C	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	85	83	0	85	48	88	88	68
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP								
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	83	70	0	83	30	73	78	68
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	60	0	90	53	65	68	50
4B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE								
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	83	68	0	83	40	65	63	63
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
5D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP								
5E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP								
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	85	60	8	85	43	35	70	70
6B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
6D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP								
6E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP								
6F	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP								
7A	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PRE	83	55	0	83	10	60	60	58
7B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
8A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	83	70	3	83	48	75	78	60
8B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								

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TABLE S0036 MINIMUM TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	POLPY	SOLNO	IPOHE
9A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	85	68	0	85	43	73	73	58
9B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE								
9C	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
10A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	85	55	0	85	25	53	63	50
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
10C	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
11A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	88	58	3	88	28	58	63	33
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE								
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE								
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	90	48	0	90	23	45	50	38
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE								
12C	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
13A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	83	70	0	83	13	80	65	65
13B	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
13D	FOMESAFEN + FLUAZIFO	1.75 EC	0.440 lb/ac	MP								
13E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
14A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	83	63	0	83	35	63	58	48
14B	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
14D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP								
14E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								
15A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	83	68	0	83	50	83	48	53
15B	PARAQUAT	2.50 S	0.470 lb/ac	PRE								
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE								
16A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	90	68	0	90	0	73	73	80
16B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
16C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP								
16D	FOMESAFEN	2.00 LC	0.380 lb/ac	MP								
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP								

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TABLE S0036 MINIMUM TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----							
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	POLPY	SOLNO	IPOHE
17A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	83	65	0	83	58	80	80	25
17B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
17C	ALACHLOR	4.00 MT	2.500 lb/ac	PRE								
17D	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE								
18A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	85	63	0	85	53	78	70	35
18B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
18C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
18D	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE								
19A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	83	70	0	83	40	85	78	73
19B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
19C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE								
19D	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE								
20A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	83	60	0	83	30	65	68	55
20B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE								
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE								
LSD(.05) :					NS	15	2.7	NS	NS	21.9	20.2	26.4

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : PRE MAY 14
 EP JUNE 13
 MP JUNE 20

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TABLE S0036 MINIMUM TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	POLPY	SOLNO	IPOHE
1A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	80	50	88	83	53
1B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
1C	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
1E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP						
1F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
2A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	85	50	88	88	68
2B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
2C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
2E	CHLORIMURON	25.00 DF	0.008 lb/ac	MP						
2F	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
3A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	83	25	73	78	68
3B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
3C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	90	50	68	68	50
4B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
4C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PRE	0	85	40	65	63	63
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
5C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
5D	ACIFLUORFEN	2.00 L	0.375 lb/ac	MP						
5E	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						
6A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	88	35	43	75	70
6B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
6D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP						
6E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP						
6F	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP						
7A	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	PRE	0	83	5	60	60	58
7B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
8A	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	PRE	0	83	48	78	78	60
8B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						

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TABLE S0036 MINIMUM TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	POLPY	SOLNO	IPOHE
9A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	85	40	75	75	58
9B	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE						
9C	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
10A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	85	20	53	63	50
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
10C	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
11A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	88	28	58	63	40
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
12A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	88	20	45	50	38
12B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
12C	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
13A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	0	90	13	80	65	65
13B	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
13D	FOMESAFEN + FLUAZIFO	1.75 EC	0.440 lb/ac	MP						
13E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
14A	CHLOR. + METRI. 1:6	75.00 DF	0.280 lb/ac	PRE	0	88	33	63	63	53
14B	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
14D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP						
14E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
15A	CHLOR. + METRI. 1:6	75.00 DF	0.380 lb/ac	PRE	0	83	50	83	48	53
15B	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
15C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	90	0	73	73	80
16B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
16C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP						
16D	FOMESAFEN	2.00 LC	0.380 lb/ac	MP						
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						

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TABLE S0036 MINIMUM TILL FULL SEASON SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----					
					CRIN	SETFA	CHEAL	POLPY	SOLNO	IPOHE
17A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	83	58	80	80	25
17B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
17C	ALACHLOR	4.00 MT	2.500 lb/ac	PRE						
17D	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE						
18A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	88	53	78	70	35
18B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
18C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
18D	METRIBUZIN 2	75.00 DF	0.500 lb/ac	PRE						
19A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	83	35	85	78	73
19B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
19C	METOLACHLOR	8.00 E	2.000 lb/ac	PRE						
19D	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
20A	SC 0224	6.00 AQ	1.000 lb/ac	PRE	0	88	28	68	68	55
20B	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
20C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	PRE						
LSD(.05) :					NS	NS	35.6	21.3	19.1	26.3

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 4.50 %
 DATE TREATED : PRE MAY 14
 EP JUNE 13
 MP JUNE 20

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TABLE S0016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----2 WEEKS AFTER APPLIED-----				-4 WEEKS AFTER APPLIED-							
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE	
1A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP	0	0	0	0	0	0	0	0	0	0	0	0
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
1C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP												
2A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	95	90	10	95	100	93	88	3	90	90	85	
2B	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
2D	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
2E	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
2F	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP												
3A	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE	88	90	3	93	100	95	85	0	90	95	83	
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												
3C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP												
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP												
3E	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP												
4A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	90	8	93	100	90	90	0	90	90	90	
4B	RE 45601	0.94 EC	0.094 lb/ac	PRE												
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE												
4D	V-53482	3.00 FL	0.063 lb/ac	PRE												
5A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	88	90	15	88	100	90	88	8	88	90	88	
5B	RE 45601	0.94 EC	0.094 lb/ac	PRE												
5C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE												
5D	V-53482	3.00 FL	0.094 lb/ac	PRE												
6A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	93	20	90	100	95	95	10	90	95	93	
6B	RE 45601	0.94 EC	0.094 lb/ac	PRE												
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE												
6D	V-53482	50.00 WDG	0.063 lb/ac	PRE												
7A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	90	38	93	100	93	98	25	90	90	95	
7B	RE 45601	0.94 EC	0.094 lb/ac	PRE												
7C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE												
7D	V-53482	50.00 WDG	0.094 lb/ac	PRE												
8A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	95	90	15	95	100	90	98	10	90	90	90	
8B	V-53482	50.00 WDG	0.063 lb/ac	PRE												
8C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE												
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE												

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TABLE S0016 NO-TILL DOUBLE CROP SOYBEANS

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----2 WEEKS AFTER APPLIED-----				-4 WEEKS AFTER APPLIED-						
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	IPOHE	CRIN	SETFA	CHEAL	IPOHE
9A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	93	95	45	95	100	95	98	20	93	93	93
9B	V-53482	50.00 WDG	0.094 lb/ac	PRE											
9C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE											
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE											
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	88	90	28	88	100	95	93	18	88	93	93
10B	V-53482	50.00 WDG	0.063 lb/ac	PRE											
10C	PARAQUAT	2.50 S	0.470 lb/ac	PRE											
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE											
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	83	93	25	83	100	95	98	13	78	90	90
11B	V-53482	50.00 WDG	0.094 lb/ac	PRE											
11C	PARAQUAT	2.50 S	0.470 lb/ac	PRE											
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE											
12A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	90	90	10	90	100	95	85	3	90	90	83
12B	METRIBUZIN 1	4.00 F	0.500 lb/ac	PRE											
12C	PARAQUAT	2.50 S	0.470 lb/ac	PRE											
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE											
LSD(.05) :					7.1	3.8	13.2	6.7	NS	6.7	7.7	NS	8.2	8.5	9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : JULY 2
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 3.00 %
 DATE TREATED : PRE JULY 2
 EP N/A

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	SOLNO	AMBEL	HPPVU
11A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	98	73	0	98	100	100	98	100	58
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL									
11C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL									
11D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
12	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	0
13A	PARAQUAT	2.50 S	0.470 lb/ac	BT	70	85	0	70	98	98	100	98	90
13B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
14A	PARAQUAT	2.50 S	0.625 lb/ac	BT	75	90	0	75	100	93	100	98	93
14B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
15A	PARAQUAT	2.50 S	0.750 lb/ac	BT	80	88	0	80	100	95	95	95	93
15B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
16A	PARAQUAT	2.50 S	0.625 lb/ac	BT	93	85	0	93	100	75	93	100	98
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT									
16C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
16D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
17A	PARAQUAT	2.50 S	0.625 lb/ac	BT	90	93	0	90	100	100	90	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT									
17C	METOLACHLOR	8.00 E	2.000 lb/ac	BT									
17D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
18A	PARAQUAT	2.50 S	0.625 lb/ac	BT	100	93	0	100	98	98	100	100	98
18B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
18C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
18D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D									
18E	BENTAZON	4.00 E	0.500 lb/ac	21D									
18F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
19A	PARAQUAT	2.50 S	0.625 lb/ac	BT	88	85	0	88	100	93	85	100	100
19B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
19C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
19D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D									
19E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D									
20A	PARAQUAT	2.50 S	0.625 lb/ac	BT	95	93	0	95	100	95	95	100	98
20B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
20C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D									
20D	BENTAZON	4.00 E	0.500 lb/ac	21D									
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									

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TABLE S0019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	XANOR	CHEAL	SOLNO	AMBEL	HPPVU
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	BT	75	88	0	75	95	93	98	95	98
22A	PARAQUAT	2.50 S	0.625 lb/ac	BT	98	93	0	73	100	100	98	98	95
22B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT									
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
22D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
22E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
23A	PARAQUAT	2.50 S	0.625 lb/ac	BT	95	90	0	95	100	100	98	100	93
23B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT									
23C	METOLACHLOR	8.00 E	2.000 lb/ac	BT									
23D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
24	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	0
LSD(.05) :					16.3	9.3	NS	16.7	5	15.7	14.1	7.4	26.1

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.20 %
 DATE TREATED : TIL APRIL 9
 BT MAY 9
 21D JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	SOLNO	AMBEL	HPPVU
1A	PARAQUAT	2.50 S	0.470 lb/ac	TIL	0	85	98	98	95	93	55
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
2A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	75	98	98	95	90	58
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
3A	PARAQUAT	2.50 S	0.750 lb/ac	TIL	0	63	100	88	93	80	68
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
4A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	98	100	100	23	100	95
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL							
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
4E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
5A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	93	100	100	68	100	95
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL							
5C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL							
5D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
6A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	88	100	100	93	100	48
6B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
6C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
6D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D							
6E	BENTAZON	4.00 E	0.500 lb/ac	21D							
6F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
7A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	80	100	95	88	98	85
7B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
7C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
7D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D							
7E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D							
8A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	83	100	85	88	100	73
8B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
8C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D							
8D	BENTAZON	4.00 E	0.500 lb/ac	21D							
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
9	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	TIL	0	65	95	93	93	85	75
10A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	98	100	100	93	100	40
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL							
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
10E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							

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TABLE S0019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	SOLNO	AMBEL	HPPVU
11A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	98	100	100	95	100	38
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL							
11C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL							
11D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
12	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0
13A	PARAQUAT	2.50 S	0.470 lb/ac	BT	0	63	98	95	98	95	90
13B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
14A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	70	100	93	98	93	90
14B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
15A	PARAQUAT	2.50 S	0.750 lb/ac	BT	0	73	100	90	90	93	90
15B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
16A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	93	100	100	68	100	100
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT							
16C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
16D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
17A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	90	100	100	80	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT							
17C	METOLACHLOR	8.00 E	2.000 lb/ac	BT							
17D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
18A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	98	98	98	98	100	95
18B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
18C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
18D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D							
18E	BENTAZON	4.00 E	0.500 lb/ac	21D							
18F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
19A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	88	100	90	83	100	100
19B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
19C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
19D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D							
19E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D							
20A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	95	100	95	95	100	93
20B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
20C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D							
20D	BENTAZON	4.00 E	0.500 lb/ac	21D							
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							

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TABLE S0019 NO-TILL SOYBEANS IN WHEAT COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	XANOR	CHEAL	SOLNO	AMBEL	HPPVU
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	BT	0	68	90	93	90	95	90
22A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	98	98	100	93	100	95
22B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT							
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
22D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
22E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
23A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	93	100	98	98	100	93
23B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT							
23C	METOLACHLOR	8.00 E	2.000 lb/ac	BT							
23D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
24	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0
LSD(.05) :					NS	12.4	7.2	7.6	18.9	7.5	25.9

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.20 %
 DATE TREATED : TIL APRIL 9
 BT MAY 9
 21D JUNE 8

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TABLE S0020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNO	AMBEL	SIDSP	POLPY
1A	PARAQUAT	2.50 S	0.470 lb/ac	TIL	80	90	0	80	93	95	93	95	98
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
2A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	70	90	0	70	90	98	93	100	93
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
3A	PARAQUAT	2.50 S	0.750 lb/ac	TIL	85	85	0	85	93	90	98	98	98
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
4A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	100	78	0	100	100	40	100	100	100
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL									
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
4E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
5A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	98	90	0	98	100	90	100	98	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL									
5C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL									
5D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
6A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	98	88	0	98	100	95	100	98	100
6B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
6C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
6D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D									
6E	BENTAZON	4.00 E	0.500 lb/ac	21D									
6F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
7A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	95	88	0	93	88	90	100	98	98
7B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
7C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
7D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D									
7E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D									
8A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	98	93	0	98	100	98	100	98	100
8B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
8C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D									
8D	BENTAZON	4.00 E	0.500 lb/ac	21D									
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
9	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	TIL	65	73	0	65	78	95	93	98	98
10A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	100	95	0	100	100	95	100	100	100
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL									
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL									
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
10E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									

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TABLE S0020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----									
					GGGG	BBBB	CRIN	SETFA	CHEAL	SOLNO	AMBEL	SIDSP	POLPY	
11A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	93	93	0	93	100	95	100	75	100	
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL										
11C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL										
11D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL										
12	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	0	
13A	PARAQUAT	2.50 S	0.470 lb/ac	BT	83	88	0	83	93	98	98	98	85	
13B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
14A	PARAQUAT	2.50 S	0.625 lb/ac	BT	65	88	0	65	93	95	100	100	95	
14B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
15A	PARAQUAT	2.50 S	0.750 lb/ac	BT	80	90	0	80	98	95	100	100	95	
15B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
16A	PARAQUAT	2.50 S	0.625 lb/ac	BT	90	93	0	90	100	98	95	100	98	
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT										
16C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
16D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D										
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D										
17A	PARAQUAT	2.50 S	0.625 lb/ac	BT	93	95	0	93	93	95	100	100	100	
17B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT										
17C	METOLACHLOR	8.00 E	2.000 lb/ac	BT										
17D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
18A	PARAQUAT	2.50 S	0.625 lb/ac	BT	98	95	0	98	100	100	100	100	100	
18B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
18C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D										
18D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D										
18E	BENTAZON	4.00 E	0.500 lb/ac	21D										
18F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D										
19A	PARAQUAT	2.50 S	0.625 lb/ac	BT	93	95	0	93	98	98	100	100	100	
19B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
19C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D										
19D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D										
19E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D										
20A	PARAQUAT	2.50 S	0.625 lb/ac	BT	98	90	0	98	100	100	100	100	100	
20B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT										
20C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D										
20D	BENTAZON	4.00 E	0.500 lb/ac	21D										
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D										

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TABLE S0020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----								
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	SOLNO	AMBEL	SIDSP	POLPY
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	BT	83	83	0	85	93	93	88	100	98
22A	PARAQUAT	2.50 S	0.625 lb/ac	BT	100	95	0	100	100	98	100	100	98
22B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT									
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
22D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D									
22E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D									
23A	PARAQUAT	2.50 S	0.625 lb/ac	BT	95	90	0	95	100	100	98	100	100
23B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT									
23C	METOLACHLOR	8.00 E	2.000 lb/ac	BT									
23D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT									
24	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0	0	0
			LSD(.05) :		19.8	8.1	NS	20	8.4	14.8	5.8	14.5	8.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.20 %
 DATE TREATED : TIL APRIL 9
 BT APRIL 30
 21D JUNE 8

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	CHEAL	SOLNO	AMBEL	SIDSP	POLPY
1A	PARAQUAT	2.50 S	0.470 lb/ac	TIL	0	70	93	93	88	93	98
1B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
2A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	60	90	98	88	100	93
2B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
3A	PARAQUAT	2.50 S	0.750 lb/ac	TIL	0	68	90	90	90	98	98
3B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
4A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	100	100	28	100	98	100
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL							
4C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
4D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
4E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
5A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	95	100	85	100	98	100
5B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	TIL							
5C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL							
5D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
6A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	90	98	90	100	95	98
6B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
6C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
6D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D							
6E	BENTAZON	4.00 E	0.500 lb/ac	21D							
6F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
7A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	93	88	80	100	95	98
7B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
7C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
7D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D							
7E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D							
8A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	93	95	93	100	95	100
8B	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
8C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D							
8D	BENTAZON	4.00 E	0.500 lb/ac	21D							
8E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
9	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	TIL	0	65	65	95	90	95	98
10A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	98	100	90	93	100	100
10B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL							
10C	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
10D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
10E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							

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TABLE S0020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	CHEAL	SOLNO	AMBEL	SIDSP	POLPY
11A	PARAQUAT	2.50 S	0.625 lb/ac	TIL	0	93	100	88	95	100	100
11B	IMAZAQUIN	1.50 AS	0.125 lb/ac	TIL							
11C	METOLACHLOR	8.00 E	2.000 lb/ac	TIL							
11D	X-77 (SURFACTANT)	0.50 WA	0.125 %	TIL							
12	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0
13A	PARAQUAT	2.50 S	0.470 lb/ac	BT	0	75	93	98	98	98	95
13B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
14A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	60	90	90	98	100	95
14B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
15A	PARAQUAT	2.50 S	0.750 lb/ac	BT	0	65	98	93	95	98	95
15B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
16A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	90	100	90	95	98	98
16B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT							
16C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
16D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
17A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	90	100	88	100	100	100
17B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	BT							
17C	METOLACHLOR	8.00 E	2.000 lb/ac	BT							
17D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
18A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	93	98	100	100	100	100
18B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
18C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
18D	FOMESAFEN	2.00 LC	0.380 lb/ac	21D							
18E	BENTAZON	4.00 E	0.500 lb/ac	21D							
18F	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
19A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	93	95	98	100	100	100
19B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
19C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
19D	CHLORIMURON	25.00 DF	0.012 lb/ac	21D							
19E	X-77 (SURFACTANT)	0.50 WA	0.250 %	21D							
20A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	95	100	98	100	100	100
20B	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
20C	FOMESAFEN + FLUAZIFO	1.75 EC	0.438 lb/ac	21D							
20D	BENTAZON	4.00 E	0.500 lb/ac	21D							
20E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							

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TABLE S0020 NO-TILL SOYBEANS IN RYE COVER CROP

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----8 WEEKS AFTER APPLIED-----						
					CRIN	SETFA	CHEAL	SOLNO	AMBEL	SIDSP	POLPY
21	ALACHLOR + GLYPHOSAT	4.00 E	4.000 lb/ac	BT	0	68	90	90	88	100	98
22A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	98	100	98	98	100	98
22B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT							
22C	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
22D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	21D							
22E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	21D							
23A	PARAQUAT	2.50 S	0.625 lb/ac	BT	0	90	98	98	95	100	100
23B	IMAZAQUIN	1.50 AS	0.125 lb/ac	BT							
23C	METOLACHLOR	8.00 E	2.000 lb/ac	BT							
23D	X-77 (SURFACTANT)	0.50 WA	0.125 %	BT							
24	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0	0	0	0
			LSD(.05) :		NS	20.1	9.6	13	7.7	6.1	5.2

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : MAY 14
 VARIETY : WILLIAMS 82

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.6 O.M. : 3.20 %
 DATE TREATED : TIL APRIL 9
 BT APRIL 30
 21D JUNE 8

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TABLE C0101 NO-TILL CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----		
					CRIN	SETFA	HPPVU
1A	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	3	50	47
1B	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
1C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
2A	ALACHLOR	4.00 MT	2.750 lb/ac	PRE	0	57	77
2B	ATRAZINE	4.00 L	1.200 lb/ac	PRE			
2C	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
2D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
3A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	67	67
3B	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
3C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
4A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	73	63
4B	ATRAZINE	4.00 L	1.200 lb/ac	PRE			
4C	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
4D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
5A	ICIA 5676	6.40 E	1.000 lb/ac	PRE	0	80	53
5B	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
5C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
6A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	3	70	50
6B	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
6C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
7A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	60	57
7B	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
7C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
8A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	60	60
8B	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
8C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
9A	ICIA 5676	6.40 E	1.000 lb/ac	PRE	0	73	77
9B	ATRAZINE	4.00 L	1.200 lb/ac	PRE			
9C	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
9D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
10A	ICIA 5676	6.40 E	1.250 lb/ac	PRE	0	67	77
10B	ATRAZINE	4.00 L	1.200 lb/ac	PRE			
10C	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
10D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0101 NO-TILL CORN PREEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----		
					CRIN	SETFA	HPPVU
11A	ICIA 5676	6.40 E	1.500 lb/ac	PRE	0	70	70
11B	ATRAZINE	4.00 L	1.200 lb/ac	PRE			
11C	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
11D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			
12A	ICIA 5676	6.40 E	1.750 lb/ac	PRE	0	73	80
12B	ATRAZINE	4.00 L	1.200 lb/ac	PRE			
12C	SC 0224	6.00 AQ	1.000 lb/ac	PRE			
12D	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE			

LSD(.05) : NS NS NS

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : JUNE 5
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 1.50 %
 DATE TREATED : PRE JUNE 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0106 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	DIGSA	HPPVU	CRIN	DIGSA	HPPVU
1	METALACHLOR + ATRAZI	6.00 LD	3.600 lb/ac	EPP	3	93	100	3	37	100
2A	METALACHLOR + ATRAZI	6.00 LD	3.600 lb/ac	EPP	0	97	100	0	53	100
2B	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
3A	METALACHLOR + ATRAZI	6.00 LD	3.600 lb/ac	EPP	3	97	100	3	57	100
3B	SIMAZINE	4.00 L	1.000 lb/ac	EPP						
4A	METALACHLOR + ATRAZI	6.00 LD	2.400 lb/ac	EPP	17	100	97	13	87	97
4B	METALACHLOR + ATRAZI	6.00 LD	1.200 lb/ac	PRE						
5A	METALACHLOR + ATRAZI	6.00 LD	2.400 lb/ac	EPP	3	100	100	3	90	100
5B	SIMAZINE	4.00 L	0.660 lb/ac	EPP						
5C	METALACHLOR + ATRAZI	6.00 LD	1.200 lb/ac	PRE						
5D	SIMAZINE	4.00 L	0.330 lb/ac	PRE						
6A	METALACHLOR + ATRAZI	6.00 LD	3.600 lb/ac	PRE	0	90	83	0	90	83
6B	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
7A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	0	80	100	0	27	100
7B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
7C	PARAQUAT	2.50 S	0.380 lb/ac	EPP						
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
8A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	0	73	100	0	30	100
8B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
8C	PARAQUAT	2.50 S	0.500 lb/ac	EPP						
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
9A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	0	97	100	0	50	100
9B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
9C	PARAQUAT	2.50 S	0.380 lb/ac	EPP						
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
10A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	0	77	100	0	33	100
10B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
10C	PARAQUAT	2.50 S	0.500 lb/ac	EPP						
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
11A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	33	40	100	27	17	100
11B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
11C	GLYPHOSATE	4.00 E	1.000 lb/ac	EPP						
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						

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TABLE C0106 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	DIGSA	HPPVU	CRIN	DIGSA	HPPVU
12A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	0	77	100	0	47	100
12B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
12C	GLYPHOSATE	4.00 E	1.000 lb/ac	EPP						
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
13A	ICIA 5676	6.40 E	2.000 lb/ac	EPP	7	83	100	7	53	100
13B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
13C	SC 0224	6.00 AQ	1.000 lb/ac	EPP						
13D	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP						
14A	ICIA 5676	6.40 E	2.500 lb/ac	EPP	0	87	100	0	33	100
14B	ATRAZINE	4.00 L	1.500 lb/ac	EPP						
14C	SC 0224	6.00 AQ	1.000 lb/ac	EPP						
14D	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP						
15A	ICIA 5676	6.40 E	2.000 lb/ac	PRE	0	90	100	0	93	97
15B	ATRAZINE	4.00 L	1.500 lb/ac	PRE						
15C	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16A	ICIA 5676	6.40 E	2.500 lb/ac	PRE	0	93	93	0	97	97
16B	ATRAZINE	4.00 L	1.500 lb/ac	PRE						
16C	PARAQUAT	2.50 S	0.470 lb/ac	PRE						
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
17A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	EPP	7	97	100	7	37	100
17B	GLYPHOSATE	4.00 E	0.500 lb/ac	EPP						
17C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP						
18A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	EPP	7	80	100	3	27	100
18B	GLYPHOSATE	4.00 E	0.750 lb/ac	EPP						
18C	X-77 (SURFACTANT)	0.50 WA	0.500 %	EPP						
19A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	EPP	13	73	100	10	33	100
19B	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
20A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	EPP	7	73	100	7	33	100
20B	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
20C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
21A	ALACHLOR MT + ATRAZ	4.00 L	3.750 lb/ac	PRE	0	90	93	0	90	93
21B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE						
21C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						

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TABLE C0106 NO-TILL CORN EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	DIGSA	HPPVU	CRIN	DIGSA	HPPVU
22A	ALACHLOR MT + ATRAZ	4.00 L	4.000 lb/ac	PRE	3	70	97	3	90	97
22B	GLYPHOSATE	4.00 E	0.750 lb/ac	PRE						
22C	X-77 (SURFACTANT)	0.50 WA	0.500 %	PRE						
23A	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac	EPP	23	70	100	17	50	100
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
23C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP						
23D	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	EP						
24A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac	EPP	13	77	100	13	80	100
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
24C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP						
24D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP						
24E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
24F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP						
25A	CYANAZINE	4.00 L	4.000 lb/ac	EPP	37	53	100	33	43	100
25B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
25C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP						
25D	CYANAZINE	4.00 L	2.000 lb/ac	EP						
26A	CYANAZINE	4.00 L	2.000 lb/ac	EPP	63	67	93	60	67	93
26B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
26C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	EPP						
26D	NICOSULFURON	75.00 DF	0.031 lb/ac	MP						
26E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP						
26F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP						

LSD(.05) : 17.1 29.4 7.9 15.2 27.6 6.5

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 150 N,
 DATE PLANTED : MAY 25
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.5 O.M. : 1.40 %
 DATE TREATED : EPP APRIL 11
 PRE MAY 25
 EP JUNE 18
 MP JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0143 CORN JOHNSONGRASS PPI & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	SORHA	CRIN	SORHA
1	EPTC+R25788+R33865	6.00 EC	3.000 lb/ac PPI		0	43	0	17
2	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac PPI		0	47	0	27
3A	EPTC+R25788+R33865	6.00 EC	3.000 lb/ac PPI		0	90	0	83
3B	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
3C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
4A	EPTC+R25788+R33865	6.00 EC	4.500 lb/ac PPI		0	90	0	90
4B	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
4C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
5A	EPTC+R25788+R33865	6.00 EC	3.000 lb/ac PPI		0	87	0	73
5B	DPX 79406	25.00 DF	0.016 lb/ac 6LF					
5C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
6A	EPTC+R25788+R33865	6.00 EC	4.500 lb/ac PPI		0	90	0	77
6B	DPX 79406	25.00 DF	0.016 lb/ac 6LF					
6C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
7A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac PPI		0	77	0	60
7B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
8A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac PPI		0	43	0	23
8B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
9A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac PPI		0	90	0	83
9B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
9C	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
9D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
10A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac PPI		0	87	0	80
10B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
10C	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
10D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
11A	EPTC+R25788+R33865	6.00 EC	4.000 lb/ac PPI		0	80	0	67
11B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
11C	PRIMISULFURON	75.00 WDG	0.036 lb/ac 6LF					
11D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
12A	EPTC+R25788+R33865	6.00 EC	6.000 lb/ac PPI		0	83	0	70
12B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
12C	PRIMISULFURON	75.00 WDG	0.036 lb/ac 6LF					
12D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					

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TABLE C0143 CORN JOHNSONGRASS PPI & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
13A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac PPI		0	43	0	27
13B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
14A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac PPI		0	73	0	53
14B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
15A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac PPI		0	90	0	83
15B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
15C	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
15D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
16A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac PPI		0	93	0	87
16B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
16C	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
16D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
17A	BUTYLATE + R-25788	6.70 E	4.000 lb/ac PPI		7	83	0	70
17B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
17C	PRIMISULFURON	75.00 WDG	0.036 lb/ac 6LF					
17D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
18A	BUTYLATE + R-25788	6.70 E	6.000 lb/ac PPI		0	83	0	73
18B	ATRAZINE	4.00 L	1.500 lb/ac PPI					
18C	PRIMISULFURON	75.00 WDG	0.036 lb/ac 6LF					
18D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
19	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac PPI		0	23	0	10
20	CYANAZINE + ATRAZINE	90.00 DF	4.000 lb/ac PPI		0	63	0	37
21A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac PPI		0	47	0	20
21B	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac EP					
22A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac PPI		0	87	0	73
22B	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
22C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
23A	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac PPI		0	83	0	80
23B	NICOSULFURON	75.00 DF	0.031 lb/ac 6LF					
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					
24A	CYANAZINE + ATRAZINE	90.00 DF	2.000 lb/ac PPI		0	90	0	73
24B	DPX 79406	25.00 DF	0.016 lb/ac 6LF					
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac 6LF					

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0143 CORN JOHNSONGRASS PPI & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
25A	CYANAZINE + ATRAZINE	90.00 DF	3.000 lb/ac	PPI	0	87	0	73
25B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
26	CYANAZINE	4.00 L	2.000 lb/ac	PPI	0	33	0	13
27	CYANAZINE	4.00 L	4.000 lb/ac	PPI	0	27	0	13
28A	CYANAZINE	4.00 L	2.000 lb/ac	PPI	0	50	0	23
28B	CYANAZINE	80.00 WP	3.000 lb/ac	EP				
29A	CYANAZINE	4.00 L	2.000 lb/ac	PPI	0	87	0	77
29B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
29C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
30A	CYANAZINE	4.00 L	3.000 lb/ac	PPI	0	83	0	63
30B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
30C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
31A	CYANAZINE	4.00 L	2.000 lb/ac	PPI	0	83	0	73
31B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
31C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
32A	CYANAZINE	4.00 L	3.000 lb/ac	PPI	0	83	0	77
32B	DPX 79406	25.00 DF	0.016 lb/ac	6LF				
32C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
33A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF	0	83	0	73
33B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
34A	DPX 79406	25.00 DF	0.016 lb/ac	6LF	0	90	0	73
34B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
35A	DPX 79406	25.00 DF	0.016 lb/ac	6LF	0	87	0	73
35B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
35C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LF				
36	CHECK (CULTIVATED)	0.00 CK	0.000		0	100	0	100
LSD(.05) :					NS	18.3	NS	16.3

LOCATION : PRINCETON, KY
FERTILIZER APPLIED (LB/ACRE): 250 N,
DATE PLANTED : JUNE 1
VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
60 P, 60 K, pH : 6.5 O.M. : 1.20 %
DATE TREATED : PPI JUNE 1
EP JUNE 20
6LF JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	83	0	83
1B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
2A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	93	0	90
2B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
3A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	90	0	90
3B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
3C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
4A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	90	0	87
4B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
4C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
5A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	87	0	80
5B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
6A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	93	0	90
6B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
7A	NICOSULFURON	75.00 DF	0.063 lb/ac	6LC	0	90	0	90
7B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
8A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	93	0	90
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
8C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
9A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	97	0	90
9B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
9C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
9D	CULTIVATION	0.00 CK	0.000	+10				
10A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	93	0	90
10B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
10C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
11A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	97	0	90
11B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
11C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
11D	CULTIVATION	0.00 CK	0.000	+10				
12A	NICOSULFURON	75.00 DF	0.063 lb/ac	6LC	0	93	0	90
12B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
12C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
13A	NICOSULFURON	75.00 DF	0.063 lb/ac	6LC	0	97	0	90
13B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
13C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
13D	CULTIVATION	0.00 CK	0.000	+10				
14A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	90	0	90
14B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
14C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
14D	NICOSULFURON	75.00 DF	0.008 lb/ac	+10				
14E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+10				
14F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+10				
15A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	100	0	97
15B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
15C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
15D	NICOSULFURON	75.00 DF	0.016 lb/ac	+10				
15E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+10				
15F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+10				
16A	NICOSULFURON	75.00 DF	0.031 lb/ac	6LC	0	93	0	90
16B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
16C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
16D	NICOSULFURON	75.00 DF	0.031 lb/ac	+10				
16E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+10				
16F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+10				
17A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	90	0	90
17B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
17C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
17D	NICOSULFURON	75.00 DF	0.008 lb/ac	+10				
17E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+10				
17F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+10				
18A	NICOSULFURON	75.00 DF	0.047 lb/ac	6LC	0	97	0	93
18B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LC				
18C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
18D	NICOSULFURON	75.00 DF	0.016 lb/ac	+10				
18E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	+10				
18F	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	+10				
19A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	67	0	57
19B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	SORHA	CRIN	SORHA
20A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	0	73	0	67
20B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
21A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	57	0	40
21B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
21C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
22A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	73	0	60
22B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
22C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
23A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	0	77	0	73
23B	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
23C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
24A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	73	0	53
24B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
25A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	0	63	0	57
25B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
26A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	70	0	57
26B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
26C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				
27A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	73	0	63
27B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
27C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
28A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	0	77	0	70
28B	AGRI-DEX	0.00 AD	1.000 qt/ac	10J				
28C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
29A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	77	0	67
29B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
30A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	0	80	0	80
30B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
31A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	87	0	80
31B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
31C	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	10J				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
32A	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J	0	77	0	73
32B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
32C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
33A	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J	0	80	0	73
33B	SUN-IT	0.00 AD	1.000 qt/ac	10J				
33C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	10J				
34	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	0	53	0	40
35A	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	0	80	0	73
35B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	10J				
35C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
36A	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	0	90	0	83
36B	PRIMISULFURON	75.00 WDG	0.018 lb/ac	10J				
36C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
36D	PRIMISULFURON	75.00 WDG	0.018 lb/ac	+10				
36E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+10				
37A	METALACHLOR + ATRAZI	6.00 L	2.700 lb/ac	PRE	0	83	0	83
37B	PRIMISULFURON	75.00 WDG	0.027 lb/ac	10J				
37C	X-77 (SURFACTANT)	0.50 WA	0.250 %	10J				
37D	PRIMISULFURON	75.00 WDG	0.009 lb/ac	+10				
37E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+10				
38A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	6LC	80	77	80	70
38B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
38C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
39A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	6LC	80	73	80	70
39B	X-77 (SURFACTANT)	0.50 WA	0.250 %	6LC				
39C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	6LC				
39D	CULTIVATION	0.00 CK	0.000	+10				
40A	DICAMBA	4.00 S	0.250 lb/ac	6LF	0	73	0	60
40B	PRIMISULFURON	75.00 WDG	0.036 lb/ac	6LF				
40C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				
41A	DICAMBA	4.00 S	0.250 lb/ac	6LF	0	87	0	87
41B	NICOSULFURON	75.00 DF	0.031 lb/ac	6LF				
41C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	6LF				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE C0145 CORN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
42	CHECK (UNCULTIVATED)	0.00 CK	0.000		0	0	0	0
LSD(.05) :					NS	12.1	NS	13.1

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 24
 VARIETY : PIONEER 3320

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.8 O.M. : 1.20 %
 DATE TREATED : PRE MAY 30
 10J JUNE 20
 6LC JUNE 20
 +10D JUNE 29

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0117 NO-TILL SOYBEANS EARLY PREPLANT

PAGE 1

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	SETFA	HPPVU	CRIN	SETFA	HPPVU
1A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	20	100	0	13	93
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
1C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
1D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
2A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	30	100	0	30	97
2B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
2C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
2D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
3A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	97	100	0	70	100
3B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
3C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
3D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
4A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	87	100	0	63	97
4B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
4C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
4D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
5A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	60	97	0	53	93
5B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP						
5C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
6A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	50	97	0	23	87
6B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EPP						
6C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
7A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	97	100	0	63	100
7B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP						
7C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
8A	ALACHLOR	4.00 MT	2.750 lb/ac	EPP	0	93	100	0	60	93
8B	CHLOR. + METRI. 1:10	75.00 DF	0.328 lb/ac	EPP						
8C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
9A	ALACHLOR	4.00 MT	2.500 lb/ac	EPP	0	97	100	0	63	100
9B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
9C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0117 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	SETFA	HPPVU	CRIN	SETFA	HPPVU
10A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	100	93	0	100	93
10B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
10C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
11A	ALACHLOR	4.00 MT	2.500 lb/ac	PRE	0	83	60	0	87	60
11B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	PRE						
12A	METOLACHLOR	8.00 E	2.000 lb/ac	EPP	0	97	100	0	57	100
12B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
12C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
13A	METOLACHLOR	8.00 E	2.000 lb/ac	PRE	0	87	97	0	93	97
13B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	PRE						
13C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
14A	PENDIMETHALIN	4.00 E	1.000 lb/ac	EPP	0	80	27	0	70	27
14B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
15A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PRE	0	93	100	0	97	100
15B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PRE						
15C	GLYPHOSATE	4.00 E	1.000 lb/ac	PRE						
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	PRE						
16	PENDAMETHALIN + IMAZ	2.33 EC	0.875 lb/ac	EPP	0	80	27	0	80	27
17	IMAZAQUIN + TRIFLURA	3.00 EC	0.875 lb/ac	EPP	0	60	27	0	67	27
18A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	73	30	0	60	27
18B	IMAZAQUIN	1.50 AS	0.125 lb/ac	EPP						
19A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	93	100	0	57	100
19B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
19C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
19D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
20A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	93	100	0	60	100
20B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
20C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
20D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0117 NO-TILL SOYBEANS EARLY PREPLANT

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS-----			-----8 WEEKS-----		
					CRIN	SETFA	HPPVU	CRIN	SETFA	HPPVU
21A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	0	100	100	0	87	97
21B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
21C	PARAQUAT	2.50 S	0.470 lb/ac	EPP						
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	EPP						
22A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	0	87	100	0	57	97
22B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
22C	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
22D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
23A	TRIFLURALIN	4.00 E	1.000 lb/ac	EPP	0	93	73	0	67	50
23B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
24A	TRIFLURALIN	4.00 E	1.500 lb/ac	EPP	0	100	97	0	83	90
24B	CHLOR. + METRI. 1:6	75.00 DF	0.375 lb/ac	EPP						
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	EPP						
25A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	0	57	100	0	40	100
25B	2,4-D ESTER	4.00 E	1.000 lb/ac	EPP						
25C	METALACHLOR + METRIB	8.00 EC	1.500 lb/ac	PRE						
26A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	EPP	0	93	83	0	90	73
26B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	EPP						
26C	RO 17 3664	2.00 E	0.063 lb/ac	MP						
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP						

LSD(.05) : NS 22.2 11.2 NS 33.2 16.6

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 60 N,
 DATE PLANTED : JUNE 6
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.0 O.M. : 1.50 %
 DATE TREATED : EPP APRIL 12
 PRE JUNE 5
 MP JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0102 SOYBEAN JOHNSONGRASS PPI & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	0	77	0	73
2A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	0	70	0	67
2B	BENTAZON	4.00 E	0.500 lb/ac	V3				
2C	ACIFLUORFEN	2.00 L	0.250 lb/ac	V3				
2D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	V3				
3A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	3	70	3	67
3B	CHLORIMURON	25.00 DF	0.008 lb/ac	V3				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
4A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	0	73	0	73
4B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PP1				
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	13	87	10	90
5B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PP1				
5C	AC 263-222	2.00 AS	0.012 lb/ac	V3				
5D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	7	77	7	73
6B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PP1				
6C	AC 263-222	2.00 AS	0.016 lb/ac	V3				
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	0	60	0	67
7B	IMAZETHAPYR	2.00 AS	0.032 lb/ac	V3				
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PP1	3	70	0	67
8B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	V3				
8C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
9A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PP1	7	87	7	87
9B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
9C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
9D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
10A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PP1	0	97	0	97
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
10C	DASH	0.00 AD	1.000 qt/ac	EP				
10D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0102 SOYBEAN JOHNSONGRASS PPI & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
11A	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI	3	93	3	93
11B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
11C	SUNFLOWER OIL	0.00 AD	1.000 qt/ac	EP				
11D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	EP				
12A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	57	0	57
12B	AC 263-222	2.00 AS	0.008 lb/ac	V3				
12C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
13A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	10	77	10	73
13B	AC 263-222	2.00 AS	0.016 lb/ac	V3				
13C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
14A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	20	77	20	70
14B	AC 263-222	2.00 AS	0.024 lb/ac	V3				
14C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
15A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	67	0	70
15B	AC 263-222	2.00 AS	0.012 lb/ac	V3				
15C	IMAZAQUIN	1.50 AS	0.063 lb/ac	V3				
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
16A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	67	0	70
16B	AC 263-222	2.00 AS	0.016 lb/ac	V3				
16C	IMAZAQUIN	1.50 AS	0.063 lb/ac	V3				
16D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
17A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	17	87	13	87
17B	AC 263-222	2.00 AS	0.024 lb/ac	V3				
17C	IMAZAQUIN	1.50 AS	0.063 lb/ac	V3				
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
18A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	13	77	10	77
18B	AC 263-222	2.00 AS	0.008 lb/ac	V3				
18C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	V3				
18D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
19A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	17	90	13	93
19B	AC 263-222	2.00 AS	0.016 lb/ac	V3				
19C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	V3				
19D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0102 SOYBEAN JOHNSONGRASS PPI & POST

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
20A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	23	87	10	87
20B	AC 263-222	2.00 AS	0.024 lb/ac	V3				
20C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	V3				
20D	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
21A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	53	0	40
21B	AC 263-222	2.00 AS	0.008 lb/ac	V3				
21C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
21D	AC 263-222	2.00 AS	0.008 lb/ac	+6D				
21E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+6D				
22A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	7	63	3	63
22B	AC 263-222	2.00 AS	0.012 lb/ac	V3				
22C	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
22D	AC 263-222	2.00 AS	0.012 lb/ac	+6D				
22E	X-77 (SURFACTANT)	0.50 WA	0.250 %	+6D				
23A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	100	3	100
23B	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	10J				
23C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	10J				
24A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	97	0	97
24B	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	10J				
24C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	10J				

LSD(.05) : 7.7 19.9 5.6 23.1

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 0 N,
 DATE PLANTED : JUNE 5
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.2 O.M. : 1.20 %
 DATE TREATED : PPI JUNE 5
 EP JUNE 20
 V3 JUNE 28
 +6D JUNE 26
 10J JUNE 28

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
1A	QUIZALOFOP	0.80 L	0.188 lb/ac	MP	0	100	0	93
1B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
2A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	97	0	93
2B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
2C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
2D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
3A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	93	0	83
3B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
3C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
4A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	90	0	87
4B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
4C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
5A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	3	93	3	90
5B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
5C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
6A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	87	0	80
6B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
6C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
7A	QUIZALOFOP	0.80 L	0.113 lb/ac	MP	0	90	0	87
7B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
7C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
8A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	93	0	90
8B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
9A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	93	0	90
9B	HERBIMAX	0.00 AD	1.000 qt/ac	MP				
10A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	90	0	90
10B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
10C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
10D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
11A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	87	0	83
11B	BENTAZON	4.00 E	1.000 lb/ac	MP				
11C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

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TABLE S0103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
12A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	63	0	53
12B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
12C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
13A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	80	0	70
13B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
13C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
14A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	80	0	73
14B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
14C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
15A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	77	0	70
15B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
15C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
16A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	67	0	60
16B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
16C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
17A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	80	0	77
17B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
18A	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP	0	90	0	87
18B	FOMESAFEN	2.00 LC	0.313 lb/ac	MP				
18C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
19A	SETHOXYDIM	1.53 EC	0.280 lb/ac	MP	0	80	0	77
19B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
20A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	80	0	70
20B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
21A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	80	0	77
21B	DASH	0.00 AD	1.000 qt/ac	MP				
22A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	80	0	70
22B	HERBIMAX	0.00 AD	1.000 qt/ac	MP				
23A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	77	0	77
23B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
23C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
23D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
24A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	53	0	43
24B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
24C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
25A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	43	0	33
25B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
25C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
26A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	23	0	13
26B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
26C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
27A	SETHOXYDIM	1.00 E	0.188 lb/ac	MP	0	43	0	20
27B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
27C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
28A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	3	0	3
28B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	LP				
28C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
29A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	73	0	63
29B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
29C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
30A	RE 45601	0.94 EC	0.125 lb/ac	MP	0	73	0	67
30B	LACTOFEN	2.00 E	0.200 lb/ac	MP				
30C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
31A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	63	0	30
31B	LACTOFEN	2.00 E	0.150 lb/ac	MP				
31C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
31D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
32A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	80	0	73
32B	ACIFLUORFEN	2.00 L	0.500 lb/ac	MP				
32C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
33A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	73	0	60
33B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
33C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
34A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	70	0	60
34B	IMAZAQUIN	1.50 AS	0.125 lb/ac	MP				
34C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				

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TABLE S0103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
35A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	83	0	80
35B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
35C	CHLORIMURON	25.00 DF	0.008 lb/ac	+7D				
35D	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	+7D				
36A	RE 45601	0.94 EC	0.094 lb/ac	MP	0	73	0	67
36B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
36C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
37A	RE 45601	0.94 EC	0.125 lb/ac	MP	0	83	0	80
37B	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
37C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
38A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	80	0	73
38B	BENTAZON	4.00 E	0.500 lb/ac	EP				
38C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
38D	RE 45601	0.94 EC	0.074 lb/ac	MP				
38E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
39A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	77	0	67
39B	BENTAZON	4.00 E	0.500 lb/ac	EP				
39C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
39D	RE 45601	0.94 EC	0.094 lb/ac	MP				
39E	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
40A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	90	0	87
40B	BENTAZON	4.00 E	0.500 lb/ac	EP				
40C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
40D	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	MP				
40E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
41A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	27	0	17
41B	BENTAZON	4.00 E	0.500 lb/ac	MP				
41C	2,4-DB	2.00 E	0.030 lb/ac	MP				
41D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
42A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	100	0	97
42B	BENTAZON	4.00 E	0.500 lb/ac	EP				
42C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	EP				
42D	QUIZALOFOP	0.80 L	0.188 lb/ac	MP				
42E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0103 SOYBEAN JOHNSONGRASS POSTEMERGENCE

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	SORHA	CRIN	SORHA
43A	FOMESAFEN + FLUAZIFO	1.75 EC	0.440 lb/ac	MP	0	73	0	73
43B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
44A	IMAZETHAPYR	2.00 AS	0.063 lb/ac	V3	0	67	0	67
44B	X-77 (SURFACTANT)	0.50 WA	0.250 %	V3				
44C	FLUAZIFOP-BUYTL	1.00 E	0.188 lb/ac	REG				
44D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	REG				
LSD(.05) :					NS	18.3	NS	19.1

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 0 N,
 DATE PLANTED : JUNE 5
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.2 O.M. : 1.20 %
 DATE TREATED : PRE JUNE 5
 EP JUNE 20
 V3 JUNE 28
 MP JUNE 28
 +7D JULY 5

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
1A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	27	0	27
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI				
2A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	3	83	3	83
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
2D	LIQUID FERTILIZER	0.00 AD	1.000 qt/ac	MP				
3A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	23	73	10	70
3B	AC 263-222	2.00 AS	0.016 lb/ac	MP				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
4A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	27	83	20	83
4B	AC 263-222	2.00 AS	0.024 lb/ac	MP				
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	37	87	23	83
5B	AC 263-222	2.00 AS	0.032 lb/ac	MP				
5C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	20	73	10	70
6B	AC 263-222	2.00 AS	0.008 lb/ac	MP				
6C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP				
6D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	13	80	7	73
7B	AC 263-222	2.00 AS	0.016 lb/ac	MP				
7C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP				
7D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	23	80	13	77
8B	AC 263-222	2.00 AS	0.024 lb/ac	MP				
8C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP				
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
9A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	0	67	0	47
9B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI				
10A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	7	80	3	80
10B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
10C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
11A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	80	0	80
11B	IMAZAQUIN	1.50 AS	0.062 lb/ac	PPI				
12A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	57	0	50
12B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI				
13A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	100	0	97
13B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
13C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
14A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	PPI	0	53	0	43
14B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI				
15A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	47	0	37
15B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI				
16A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	100	0	93
16B	BENTAZON	4.00 E	0.750 lb/ac	MP				
16C	ACIFLUORFEN	2.00 L	0.130 lb/ac	MP				
16D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
17A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	93	0	97
17B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
17C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
17D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
18A	LACTOFEN	2.00 E	0.200 lb/ac	MP	3	87	3	80
18B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
19A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	93	0	90
19B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
19C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
20A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	90	0	83
20B	BENTAZON	4.00 E	0.500 lb/ac	MP				
20C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
21A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	100	0	93
21B	BENTAZON	4.00 E	0.500 lb/ac	MP				
21C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
21D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	ABUTH	CRIN	ABUTH
22A	LACTOFEN	2.00 E	0.150 lb/ac	MP	7	97	3	90
22B	BENTAZON	4.00 E	0.500 lb/ac	MP				
22C	2,4-DB	2.00 E	0.030 lb/ac	MP				
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
23A	LACTOFEN	2.00 E	0.200 lb/ac	MP	7	93	3	87
23B	2,4-DB	2.00 E	0.030 lb/ac	MP				
23C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
24A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	93	0	90
24B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
24C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
25A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	97	0	93
25B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
25C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
25D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
26A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	87	0	83
26B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
26C	2,4-DB	2.00 E	0.030 lb/ac	MP				
26D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
27A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	93	0	90
27B	M6316	25.00 DF	0.002 lb/ac	MP				
27C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
28A	LACTOFEN	2.00 E	0.150 lb/ac	MP	7	100	3	100
28B	M6316	25.00 DF	0.004 lb/ac	MP				
28C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
29A	LACTOFEN	2.00 E	0.200 lb/ac	MP	0	90	0	90
29B	M6316	25.00 DF	0.002 lb/ac	MP				
29C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
29D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
30A	LACTOFEN	2.00 E	0.150 lb/ac	MP	0	100	0	97
30B	M6316	25.00 DF	0.004 lb/ac	MP				
30C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
30D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
31A	LACTOFEN	2.00 E	0.094 lb/ac	EP	0	80	0	80
31B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP				
31C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0112 SOYBEAN VELVETLEAF CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK----		---8 WK----	
					CRIN	ABUTH	CRIN	ABUTH
32A	LACTOFEN	2.00 E	0.094 lb/ac	EP	0	90	0	90
32B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
32C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
33A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	83	0	77
33B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP				
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
34A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	90	0	87
34B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
34C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
35A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	0	73	0	73
35B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
35C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
36A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	0	83	0	87
36B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP				
36C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
37A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	7	97	3	93
37B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
37C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
38A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	87	0	90
38B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP				
38C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
39A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	7	90	3	87
39B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
39C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
40A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	0	93	0	93
40B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP				
40C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

LSD(.05) : 8.7 18.1 6.4 20.1

LOCATION : PRINCETON, KY
FERTILIZER APPLIED (LB/ACRE): 0 N,
DATE PLANTED : JUNE 5
VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
60 P, 60 K, pH : 6.9 O.M. : 1.40 %
DATE TREATED : PPI JUNE 5
EP JUNE 18
MP JUNE 20

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
1A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	73	0	77
1B	IMAZAQUIN	1.50 AS	0.125 lb/ac	PPI				
2A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	90	0	90
2B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
2C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
3A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	73	0	73
3B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	MP				
3C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
4A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	0	13	0	13
4B	IMAZAQUIN + ACIFLUOR	2.50 AS	0.313 lb/ac	LP				
4C	X-77 (SURFACTANT)	0.50 WA	0.250 %	LP				
5A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	10	67	10	53
5B	AC 263-222	2.00 AS	0.008 lb/ac	MP				
5C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
6A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	13	73	13	73
6B	AC 263-222	2.00 AS	0.016 lb/ac	MP				
6C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
7A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	33	70	27	67
7B	AC 263-222	2.00 AS	0.024 lb/ac	MP				
7C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
8A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	10	83	10	80
8B	AC 263-222	2.00 AS	0.008 lb/ac	MP				
8C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP				
8D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
9A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	23	80	20	83
9B	AC 263-222	2.00 AS	0.016 lb/ac	MP				
9C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP				
9D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
10A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	27	90	20	90
10B	AC 263-222	2.00 AS	0.024 lb/ac	MP				
10C	IMAZETHAPYR	2.00 AS	0.032 lb/ac	MP				
10D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				

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TABLE S0114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
11A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	10	87	10	90
11B	AC 263-222	2.00 AS	0.008 lb/ac	MP				
11C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
11D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
12A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	20	90	13	90
12B	AC 263-222	2.00 AS	0.016 lb/ac	MP				
12C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
12D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
13A	PENDIMETHALIN	4.00 E	0.750 lb/ac	PPI	27	83	20	87
13B	AC 263-222	2.00 AS	0.024 lb/ac	MP				
13C	IMAZETHAPYR	2.00 AS	0.063 lb/ac	MP				
13D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
14A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	7	77	3	70
14B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
14C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
15A	TRIFLURALIN	4.00 E	0.750 lb/ac	PPI	3	70	3	70
15B	CHLOR. + METRI. 1:6	75.00 DF	0.188 lb/ac	PPI				
15C	CHLORIMURON	25.00 DF	0.008 lb/ac	MP				
15D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
16A	ETHALFLURALIN	3.00 E	1.125 lb/ac	PPI	0	73	0	70
16B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
16C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
17A	TRIFLUR. + CLOMAZONE	5.25 EC	1.480 lb/ac	PPI	0	77	0	70
17B	BENT + ACIFL 2.23:1	4.00 E	0.750 lb/ac	MP				
17C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
18A	METALACHLOR + METRIB	8.00 EC	2.250 lb/ac	PPI	0	63	0	43
18B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI				
19A	TRIFLUR. + CLOMAZONE	5.25 EC	1.130 lb/ac	PPI	0	53	0	47
19B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	PPI				
20A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	50	0	40
20B	CHLOR. + METRI. 1:6	75.00 DF	0.140 lb/ac	PPI				
21A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	0	80	0	80
21B	BENTAZON	4.00 E	0.750 lb/ac	MP				
21C	ACIFLUORFEN	2.00 L	0.130 lb/ac	MP				
21D	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
22A	TRIFLUR.+ METRIBUZIN	4.00 EC	1.130 lb/ac	PPI	3	83	0	77
22B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
22C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
22D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
23A	BENTAZON	4.00 E	1.000 lb/ac	MP	3	57	0	43
23B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
23C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP				
23D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP				
24A	M6316	25.00 DF	0.008 lb/ac	MP	13	57	10	57
24B	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
24C	QUIZALOFOP	0.80 L	0.125 lb/ac	LP				
24D	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP				
25A	M6316	25.00 DF	0.008 lb/ac	MP	3	57	0	53
25B	BENTAZON	4.00 E	0.500 lb/ac	MP				
25C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
25D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP				
25E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP				
26A	M6316	25.00 DF	0.008 lb/ac	MP	7	67	3	67
26B	BENTAZON	4.00 E	0.750 lb/ac	MP				
26C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
26D	QUIZALOFOP	0.80 L	0.125 lb/ac	LP				
26E	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	LP				
27A	LACTOFEN	2.00 E	0.200 lb/ac	MP	10	70	7	67
27B	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
28A	LACTOFEN	2.00 E	0.200 lb/ac	MP	10	77	3	70
28B	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
28C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
29A	LACTOFEN	2.00 E	0.150 lb/ac	MP	7	73	3	63
29B	BENTAZON	4.00 E	0.500 lb/ac	MP				
29C	OIL CONCENTRATE	0.00 AD	0.500 qt/ac	MP				
30A	LACTOFEN	2.00 E	0.200 lb/ac	MP	20	73	10	73
30B	2,4-DB	2.00 E	0.030 lb/ac	MP				
30C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				

DEPARTMENT OF AGRONOMY, UNIVERSITY OF KENTUCKY, 1990

TABLE S0114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
31A	LACTOFEN	2.00 E	0.150 lb/ac	MP	3	73	3	73
31B	BENTAZON	4.00 E	0.500 lb/ac	MP				
31C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
31D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
32A	LACTOFEN	2.00 E	0.150 lb/ac	MP	3	73	3	70
32B	BENTAZON	4.00 E	0.500 lb/ac	MP				
32C	2,4-DB	2.00 E	0.030 lb/ac	MP				
32D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
33A	LACTOFEN	2.00 E	0.150 lb/ac	MP	7	67	3	57
33B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
33C	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
34A	LACTOFEN	2.00 E	0.150 lb/ac	MP	3	73	3	77
34B	CHLORIMURON	25.00 DF	0.006 lb/ac	MP				
34C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
34D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
35A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	63	0	60
35B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	EP				
35C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
36A	LACTOFEN	2.00 E	0.150 lb/ac	EP	0	77	0	73
36B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
36C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
37A	LACTOFEN	2.00 E	0.094 lb/ac	EP	3	73	3	73
37B	IMAZETHAPYR	2.00 AS	0.063 lb/ac	EP				
37C	X-77 (SURFACTANT)	0.50 WA	0.250 %	EP				
38A	LACTOFEN	2.00 E	0.200 lb/ac	MP	3	77	3	73
38B	M6316	25.00 DF	0.002 lb/ac	MP				
38C	LIQUID FERTILIZER	0.00 AD	4.000 qt/ac	MP				
38D	X-77 (SURFACTANT)	0.50 WA	0.250 %	MP				
39A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	0	77	0	73
39B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
39C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
40A	FOMESAFEN	2.00 LC	0.188 lb/ac	MP	0	87	0	80
40B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP				
40C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

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TABLE S0114 SOYBEAN MORNINGGLORY CONTROL

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---4 WK---		---8 WK---	
					CRIN	IPOHE	CRIN	IPOHE
41A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	80	0	80
41B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
41C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
42A	FOMESAFEN	2.00 LC	0.250 lb/ac	MP	0	87	0	83
42B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP				
42C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
43A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	0	90	0	90
43B	IMAZETHAPYR	2.00 AS	0.031 lb/ac	MP				
43C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				
44A	FOMESAFEN	2.00 LC	0.313 lb/ac	MP	0	80	0	77
44B	IMAZETHAPYR	2.00 AS	0.047 lb/ac	MP				
44C	OIL CONCENTRATE	0.00 AD	1.000 qt/ac	MP				

LSD(.05) : 7 14.1 7.1 17.2

LOCATION : PRINCETON, KY
 FERTILIZER APPLIED (LB/ACRE): 0 N,
 DATE PLANTED : JUNE 5
 VARIETY : WILLIAMS 82

SOIL TYPE : CRIDER SILT LOAM
 60 P, 60 K, pH : 6.9 O.M. : 1.40 %
 DATE TREATED : PPI JUNE 5
 EP JUNE 18
 MP JUNE 20
 LP JUNE 29

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TABLE T0025 BURLEY TOBACCO

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----4 WEEKS AFTER APPLIED-----						
					GGGGG	BBBBB	CRIN	SETFA	CHEAL	AMARE	SOLNO
1	BENEFIN	1.50 E	1.500 lb/ac	PPI	90	90	0	90	93	98	68
2	ISOPROPALIN	6.00 E	1.500 lb/ac	PPI	90	90	0	90	98	100	90
3	PENDIMETHALIN	4.00 E	1.500 lb/ac	PPI	93	90	0	93	100	100	95
4	PEBULATE	6.00 E	4.000 lb/ac	PPI	93	80	0	93	80	98	90
5	NAPROPAMIDE	2.00 E	1.000 lb/ac	PPI	88	88	0	88	100	98	90
6A	NAPROPAMIDE	2.00 E	1.000 lb/ac	PPI	98	90	0	98	100	100	90
6B	PEBULATE	6.00 E	4.000 lb/ac	PPI							
7	CLOMAZONE	4.00 EC	1.000 lb/ac	PRE	100	90	0	100	100	98	100
8	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	100	90	0	100	100	95	100
9A	CLOMAZONE	4.00 EC	1.000 lb/ac	PPI	100	93	0	100	100	100	100
9B	PENDIMETHALIN	4.00 E	1.000 lb/ac	PPI							
10	CHECK (CULTIVATED)	0.00 CK	0.000		100	100	0	100	100	100	100
				LSD(.05) :	4	3.2	NS	4.3	3.2	4.2	NS

LOCATION : SPINDLETOP FARM
 FERTILIZER APPLIED (LB/ACRE): 250 N,
 DATE PLANTED : MAY 25
 VARIETY : KY 14 * L8

SOIL TYPE : MAURY SILT LOAM
 60 P, 60 K, pH : 6.4 O.M. : 3.40 %
 DATE TREATED : PPI MAY 25
 PRE MAY 25