

Herbicide Evaluation Trials-1979

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TABLE 1. Abbreviations for the Headings.

BLNS	Nightshade, Black
BRLE	Broadleaf
BUCU	Burcucumber
COCB	Cocklebur, Common
COLQ	Lambsquarters, Common
CRIN	% Crop Injury
GIFT	Foxtail, Giant
GIRW	Giant Ragweed
GRAS	Grass
JIQW	Jimsonweed
JLMG	Ivy Morningglory
POP	Plants/Acre x 1000
RRPW	Pigweed, Redroot
SHCA	Shattercane
SOKI	% Sod Kill
VELE	Velvetleaf
YEFT	Foxtail, Yellow
YENS	Nutsedge, Yellow
YLD	Yield (Bu/Ac)

TABLE 2. Abbreviations for Application Methods.

EP	Early Postemergence, Crop Stage And Weed Size Are Defined For Each Experiment
LBY	Layby, Application Made At Time Last Cultivation Would Occur
LB	Late Postemergence, Crop Stage And Weed Size Are Defined For Each Experiment
MP	Midpostemergence, Crop Stage And Weed Size Are Defined For Each Experiment
PD, POD	Post Directed
POT	Posttransplant
PPI	Preplant Incorporated
PRE	Preemergence
PRT	Pretransplant
SPK	Spike
+4D	Four Days After 1st Application
+10	Ten Days After 1st Application
2LF	Two Leaf Stage of Crop
4LF	Four Leaf Stage of Crop
1WK	One Week After Planting
2WK	Two Weeks Before Planting
4WK	Four Weeks Before Planting
3DL	Three Day Delay After Planting
CR	Cracking Of The Soybean

TABLE 3. Techniques Used in Herbicide Trials.

DESIGN:	Trials were designed as randomized complete blocks with four replications of plots 2 rows wide by 30-40 feet long with one broder row, except in no-till corn and soybeans.
APPLICATION:	Treatments were applied with a CO ₂ sprayer. Herbicides were incorporated with a power-driven rototiller.
RATING:	Weed control was rated on a scale of 0 to 100, with 0 representing no control and 100 representing total control. Crop injury was also rated on a scale of 0 to 100, where 0 represents no injury and 100 represents total crop damage. A rating of 30 or above is considered NOT commercially acceptable.
CULTIVATION:	Plots were not cultivated except certain CHECK plots where indicated.
ORGANIC MATTER:	Maine Chance - Spindletop Farm ranged from 3.2 to 6.1%. Individual organic matter is listed on each experiment.
PH:	Maine Chance - Spindletop Farm ranged from 5.4 to 6.4. Individual pH is listed on each experiment.

Note: The following information is found at the end of each experiment: Location, Soil type, Fertilization, pH, Organic Matter, Date planted and treated, Variety, and Stage of crop and weed growth when postemergence application were made.

TABLE 4. Herbicides Used in Weed Control Studies - 1978.

<u>CHEMICAL (Generic) NAME</u>	<u>TRADE NAME</u>
Acifluorfen	Blazer
AC 260784	Combat
Alachlor	Lasso
Alachlor + Atrazine	Lasso + Atrazine pkg mix
Alachlor + Linuron	Lasso + Lorox pkg mix
Alachlor + Metribuzin	Lasso + Metribuzin pkg mix
Ametryn	Evik
Ammonium Sulfate	Ammonium Sulfate
Atrazine	AAtrex
AXF-1045	AXF-1045
AXF-1080	AXF-1080
BAS 9021	BAS 9021
BAS 9052	BAS 9052
BAS 9053	BAS 9053
BAS 479	BAS 479
Benefin	Balan
Bentazon	Basagran
Befenox	Mowdown
Bromoxonyl	Bromoxynil
BTS 7903	Boots 7903
Butylate + R-25788	Sutan +
Butylate + R-33865	Sutan pkg mix + R-33865
Chloramben	Amiben
Chlorxpropham	Furloe
CP 55097	CP 55097
Crop Oil	Crop Oil
Cyanazine	Bladex
Napropamide	Devrinol
Dicamba	Banvel
Diesel Oil	Diesel Oil
Dinoseb	Preemerge, DOW GENERAL
Diphenamid	Enide

TABLE 4. Herbicides Used in Weed Control Studies - 1978 (cont.)

DPX 4065	DPX 4065
DPX 4189	DPX 4189
DPX 6573	DPX 6573
EL-161	Sonalan
EL-171	Brake
EL-5219	EL-5219
EPTC	Eptam
EPTC + R-25788	Eradicane
EPTC + R-33865	Eradicane pkg mix + R-33865
Ethofumesate	Nortron
Ethalfluralin	Sonalan
Fluchloralin	Basalin
Fenac	Fenac
Glyphosate	Roundup
H-22234	Antor
HOE-23408	Hoelon
Isopropalin	Paarlan
Ky. 0-378	Ky. 0-999 unavailable
Linuron	Lorox
M-4287	M-4287
Dowco 290	M-3972
MBR 12325	Vistar
MBR 18337	MBR 18337
Metolachlor	Dual
Melolachlor + Atrazine	Dual + Atrazine, Bicep
Metribuzin	Lexone ² , Sencor ¹
Mobil 10108	Mobil 10108
Mobil 10978	Mobil 10978
Mobil 10982	Mobil 10982
Mobil 13384	Mobil 13384
Mobil 7783	Mobil 7783
NANPA/ON	Dyanap
Naptalam	Alanap
NC 22444	NC 22444
NC 20484	NC 20484
Oil Concentrate	Oil Concentrate

TABLE 4. Herbicides Used in Weed Control Studies - 1978 (cont.)

Oryzalin	Surflan
Oxyfluorfen	Goal
Paraquat	Paraquat CL
Pebulate	Tillam
Pendimuthalin	Prowl
PPG-225	PPG-225
PPG-378	PPG-378
Profluralin	Tolban
R-40244	R-40244
RE-28269	RE-28269
RE-28479	RE-28479
RE-30562	RE-30562
RE-30295	RE-30295
RH-8817	RH-8817
RH-8254	RH-8254
SD-50093	SD-50093
Simazine	Princep
UBI/S-734	UBI/S-734
Surfactant	X-77
Surfactant	Triton AG98
Surfactant	Cittowett Plus
Trifluralin	Treflan
Vernolate	Vernam
Vernolate + R-25788	Surpass
Vernolate + R-33865	Vernam pkg Mix + R-33865
WE'D	WE'D
2,4-D amine	2,4-D amine
2,4-DB	Butyrac 200

TABLE 5.

CLIMATOLOGICAL DATA - MAY 1979

Spindletop Farm
Fayette County, Kentucky

DATE	AIR TEMP. °F		PRECIP INS.	SOIL TEMP				% at 2 p.m. RELATIVE HUMIDITY
	MIN	MAX		2" BELOW BARE GROUND		2" BELOW SOD		
				MAX	MIN	MAX	MIN	
1.	66	39	0.00	83	52	64	52	48
2.	79	43	0.00	83	53	68	53	34
3.	75	58	0.81	71	63	69	63	94
4.	67	48	0.41	66	55	66	61	100
5.	61	36	0.32	77	48	68	58	50
6.	74	41	0.00	81	51	70	59	44
7.	81	56	0.00	65	59	66	63	48
8.	84	61	0.00	90	63	75	66	52
9.	82	63	0.00	83	67	74	69	80
10.	82	65	0.00	92	69	77	69	76

11.	85	65	0.00	98	69	78	70	58
12.	82	58	0.06	81	65	75	71	100
13.	67	50	0.01	81	61	74	62	59
14.	73	47	0.00	67	64	65	61	36
15.	73	53	0.21	82	52	67	65	48
16.	70	47	0.00	87	56	76	65	38
17.	73	44	0.00	84	55	76	64	34
18.	80	45	0.00	94	58	77	66	28
19.	82	52	0.00	94	63	78	67	44
20.	81	59	0.09	93	68	78	69	42

21.	74	60	0.05	72	71	73	71	56
22.	70	50	TRACE	80	61	79	67	70
23.	68	60	0.56	72	60	72	70	100
24.	63	50	0.49	70	59	69	65	100
25.	51	43	0.25	57	55	63	61	100
26.	67	41	0.03	72	50	80	59	32
27.	68	53	0.25	81	64	69	62	66
28.	74	55	0.04	81	61	79	59	46
29.	77	46	0.00	86	56	76	65	36
30.	78	54	0.00	83	59	75	66	70
31.	75	65	0.07	75	69	72	71	94

Total Precipitation - 4.35 inches

TABLE 5. (cont.)

CLIMATOLOGICAL DATA - JUNE 1979

Spindletop Farm
Fayette County, Kentucky

DATE	AIR TEM. °F		PRECIP. INS.	SOIL TEMP.				% at 2 PM RELATIVE HUMIDITY
	MAX	MIN		2" BELOW BARE GROUND		2" BELOW SOD		
				MAX	MIN	MAX	MIN	
1.	79	65	0.0	90	68	78	70	80
2.	80	59	0.13	82	68	79	71	65
3.	69	60	0.0	78	67	77	72	90
4.	80	48	0.0	88	62	81	67	40
5.	80	56	0.0	92	69	80	70	40
6.	82	65	0.0	99	68	81	72	62
7.	80	64	0.36	82	67	77	73	80
8.	84	65	0.72	90	71	82	73	90
9.	84	66	0.40	86	72	81	76	86
10.	86	70	0.34	89	87	83	76	70
11.	75	50	0.0	82	61	77	71	46
12.	80	52	0.0	91	62	81	69	40
13.	81	52	0.21	87	67	81	72	48
14.	83	56	0.07	89	66	84	72	46
15.	83	63	0.0	95	68	84	74	50
16.	83	62	0.0	95	70	84	75	36
17.	85	65	0.0	95	72	85	75	56
18.	85	68	0.0	94	72	85	78	54
19.	85	65	0.0	98	74	82	76	56
20.	89	65	0.0	98	74	82	76	42
21.	84	72	0.02	95	76	85	78	74
22.	86	66	0.03	95	74	85	76	52
23.	83	64	0.02	93	71	90	75	66
24.	65	53	0.17	75	63	80	70	90
25.	71	43	0.0	89	62	80	67	48
26.	80	50	0.0	44	62	82	68	40
27.	84	56	0.0	96	68	84	71	42
28.	84	62	0.0	93	72	83	73	44
29.	74	64	0.13	81	71	80	75	82
30.	75	61	0.37	79	68	77	72	70

Total Precipitation - 2.97 inches

TABLE 5. (cont.)

CLIMATOLOGICAL DATA - JULY 1979

Spindletop Farm
Fayette County, Kentucky

DATE	AIR TEM. °F		PRECIP. INS.	SOIL TEMP.				% at 2 PM RELATIVE HUMIDITY
	MAX	MIN		2" BELOW BARE GROUND		2" BELOW SOD		
				MAX	MIN	MAX	MIN	
1.	81	59	0.0	84	64	81	71	50
2.	84	57	0.0	95	65	84	71	35
3.	68	57	0.0	97	69	87	72	54
4.	85	69	0.03	92	76	83	76	62
5.	74	50	0.0	92	69	81	71	40
6.	79	53	0.0	95	69	83	70	35
7.	70	56	0.0	90	68	80	71	50
8.	71	65	Trace	77	79	76	74	94
9.	72	65	Trace	79	72	77	75	96
10.	82	64	0.06	90	75	87	74	70

11.	84	60	0.0	86		83	83	54
12.	79	68	0.72					96
13.	79	65	0.0					96
14.	85	65	0.77					94
15.	83	70	0.0					84
16.	88	66	0.0	93	76	86	77	45
17.	86	65	0.0	94	74	86	78	50
18.	81	63	0.0	95	72	85	77	38
19.	82	56	0.0	96	70	84	75	34
20.	81	64	0.04	87	75	74	79	96

21.	83	65	0.0	90	73	85	75	64
22.	87	65	1.39	93	74	88	73	50
23.	85	64	0.68	92	75	85	76	70
24.	86	67	0.02	92	75	87	78	60
25.	79	70	0.58	86	77	84	80	84
26.	78	68	0.82	83	77	82	80	90
27.	80	70	0.67	85	76	83	80	80
28.	80	68	0.24	82	75	81	78	80
29.	83	67	0.04	91	74	86	78	62
30.	87	68	0.0	95	76	88	79	52
31.	87	73	0.0	95	78	88	82	65

Total Precipitation - 6.06 inches

TABLE 5. (cont.)

CLIMATOLOGICAL DATA - AUGUST 1979

Spindletop Farm
Fayette County, Kentucky

DATE	AIR TEM. °F		PRECIP. INS.	SOIL TEMP.				% at 2 PM RELATIVE HUMIDITY
	MAX	MIN		2" BELOW BARE GROUND		2" BELOW SOD		
				MAX	MIN	MAX	MIN	
1.	86	70	Trace	92	76	88	81	60
2.	79	66	0.05	89	75	85	81	55
3.	84	61	0.0	97	76	87	78	48
4.	86	63	0.0	101	73	87	78	44
5.	88	65	0.0	102	76	87	79	54
6.	89	70	0.0	103	80	89	81	52
7.	90	66	0.0	102	77	88	80	50
8.	91	70	0.0	105	79	89	80	54
9.	91	71	0.0	101	82	87	81	55
10.	87	74	0.0	98	80	86	81	62

11.	74	63	0.85	82	72	81	77	92
12.	75	56	0.0	85	67	81	74	56
13.	77	53	0.0					52
14.	79	60	0.0	83	66	80	74	60
15.	70	52	0.01	83	65	80	74	48
16.	71	50	0.0	89	63	80	71	50
17.	80	49	0.0	94	63	81	69	40
18.	82	65	0.0	84	71	79	74	68
19.	88	70	0.0	95	74	83	71	64
20.	88	66	1.06	93	77	89	72	74

21.	84	66	0.0	92	74	85	78	64
22.	83	66	0.0	92	75	73	66	62
23.	81	69	0.63	85	79	84	79	80
24.	82	69	0.33	88	80	83	79	70
25.	76	65	0.0	86	73	82	77	70
26.	76	67	0.58	83	75	80	78	82
27.	80	69	0.09	90	75	84	77	60
28.	83	68	0.08	90	75	84	79	55
29.	84	69	0.26	87	79	87	80	72
30.	83	67	0.33	92	79	90	72	64
31.	82	63	0.0	92	80	90	72	60

Total Precipitation - 4.27 inches

TABLE 5. (cont.)

CLIMATOLOGICAL DATA - SEPTEMBER 1979
 Spindletop Farm
 Fayette County, Kentucky

DATE	AIR TEM. °F		PRECIP. INS.	SOIL TEMP.				% at 2 PM RELATIVE HUMIDITY
	MAX	MIN		2" BELOW BARE GROUND		2" BELOW SOD		
				MAX	MIN	MAX	MIN	
1.	82	65	0.0	91	73	85	75	60
2.	76	67	.10	90	75	83	79	76
3.	85	66	0.0	93	73	87	78	52
4.	83	63	0.0	91	73	87	78	60
5.	86	67	0.0	91	74	81	79	62
6.	84	66	0.0	92	74	85	79	64
7.	80	65	0.0	92	73	85	78	45
8.	68	53	0.0	80	67	85	75	65
9.	72	48	0.0	86	61	80	72	52
10.	80	49	0.0	88	63	81	72	44

11.	83	55	0.0	91	66	83	72	48
12.	85	62	0.0	91	70	83	74	38
13.	74	65	.57	78	74	75	78	94
14.	72	60	2.94	79	68	76	73	66
15.	68	45	0.0	68	62	76	70	50
16.	71	44	0.0	80	67	76	68	52
17.	80	48	0.0	85	59	77	67	56
18.	75	60	0.0	81	66	77	71	66
19.	74	56	0.0	84	63	73	72	50
20.	74	52	0.0	84	61	76	70	56

21.	62	60	3.95	70	67	73	68	92
22.	60	54	1.04	67	59	68	61	82
23.	68	45	0.0	77	55	72	63	60
24.	72	51	0.0	80	60	78	60	60
25.	76	52	0.0	82	62	79	68	52
26.	77	50	0.0	80	59	76	68	46
27.	67	59	0.16	71	67	71	69	90
28.	71	62	1.35	74	70	72	68	78
29.	73	54	0.0	81	62	80	68	66
30.	77	53	0.0	81	62	75	68	60

Total Precipitation -10.11 inches

TABLE 6. Corn Preemergence.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979-----						YLD	POP
					GRAS	BRLE	CRIN	GIFI	VELE	LIWE		
1	ATRAZINE	4.00 L	2.00 LB/AC	PRE	85	95	0	85	92	92	140	19
2	ATRAZINE	90.00 WDG	2.00 LB/AC	PRE	90	95	0	90	88	90	135	20
3	SIMAZINE	4.00 L	2.00 LB/AC	PRE	92	68	0	92	68	78	115	20
4	CYANAZINE	4.00 L	3.00 LB/AC	PRE	92	75	0	92	72	78	134	21
5	ALACHLOR	4.00 E	2.50 LB/AC	PRE	75	48	0	75	45	60	134	21
6	METALACHLOR	8.00 E	2.50 LB/AC	PRE	90	45	0	90	45	50	130	22
7	PENDIMETHALIN	4.00 E	2.00 LB/AC	PRE	88	85	0	90	88	85	119	20
8	METALACHLOR + ATRAZI	4.50 F	3.50 LB/AC	PRE	90	68	0	90	70	78	129	20
9A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	95	85	0	95	82	85	129	19
9B	SIMAZINE	4.00 L	2.00 LB/AC	PRE								
10A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	92	0	100	92	88	138	22
10B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	95	92	0	95	92	92	130	20
11B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
12A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	90	70	0	90	70	78	131	20
12B	ALACHLOR	4.00 E	2.00 LB/AC	PRE								
13A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	92	78	0	92	72	80	138	19
13B	SIMAZINE	4.00 L	1.60 LB/AC	PRE								
14A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	88	65	0	88	68	70	124	20
14B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
15A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	90	80	0	90	80	80	136	21
15B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
16A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	85	0	95	82	85	109	21
16B	DICAMBA	4.00 S	0.50 LB/AC	PRE								
17A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	78	0	90	78	80	109	20
17B	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE								
18A	ALACHLOR	4.00 F	2.00 LB/AC	PRE	92	95	0	92	92	90	137	21
18B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
18C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE								

TABLE 6. Corn Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979-----						YLD	POP
					GRAS	RRLE	CRIN	GIFI	VELE	JIWE		
19A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	98	92	0	95	88	92	136	20
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
19C	METRIBUZIN 1	50.00 WP	0.25 LB/AC	PRE								
20A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	85	0	90	82	82	138	21
20B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
20C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE								
21	R-40244	2.00 E	0.50 LB/AC	3DL	85	80	8	85	78	80	123	20
22	R-40244	2.00 E	0.75 LB/AC	3DL	90	88	18	90	88	88	117	20
23	R-40244	2.00 E	1.00 LB/AC	3DL	98	92	25	95	90	88	132	21
24A	R-40244	2.00 E	0.25 LB/AC	PRE	82	70	0	82	70	70	124	21
24B	ATRAZINE	4.00 L	0.50 LB/AC	PRE								
25A	R-40244	2.00 E	0.50 LB/AC	PRE	92	85	0	92	85	88	133	21
25B	ATRAZINE	4.00 L	0.50 LB/AC	PRE								
26A	R-40244	2.00 E	0.25 LB/AC	PRE	85	80	5	85	80	85	135	22
26B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
27A	R-40244	2.00 E	0.50 LB/AC	PRE	92	88	5	92	88	88	131	19
27B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
28A	R-40244	2.00 E	0.13 LB/AC	PRE	85	78	0	85	78	78	133	22
28B	CYANAZINE	4.00 L	1.50 LB/AC	PRE								
28C	ATRAZINE	4.00 L	0.75 LB/AC	PRE								
29A	R-40244	2.00 E	0.13 LB/AC	PRE	90	80	0	90	80	80	135	21
29B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
29C	ATRAZINE	4.00 L	0.50 LB/AC	PRE								
30A	R-40244	2.00 E	0.50 LB/AC	PRE	92	78	0	92	78	80	119	22
30B	ALACHLOR	4.00 E	2.00 LB/AC	PRE								
31A	AC 206784	5.50 E	3.00 LB/AC	PRE	92	88	0	92	88	88	136	20
31B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
32A	AC 206784	5.50 E	3.50 LB/AC	PRE	93	87	0	93	87	83	120	20
32B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
33A	AC 206784	5.50 E	3.00 LB/AC	PRE	90	75	0	90	72	78	135	21
33B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
34A	AC 206784	5.50 E	3.50 LB/AC	PRE	90	70	0	90	70	77	122	20
34B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								

TABLE 6. Corn Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979-----						YLD	POP
					GRAS	BRIE	CRIN	GIEI	VELE	JIWE		
35A	PENDIMETHALIN	4.00 F	1.50 LB/AC	PRE	90	95	0	88	92	90	134	21
35B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
36A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	88	90	0	88	90	90	130	21
36B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
37A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	95	100	0	95	98	100	131	21
37B	AC 206784	5.50 E	2.50 LB/AC	PRE								
37C	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
38	SD 50093	4.00 L	3.00 LB/AC	PRE	95	88	0	95	88	88	142	19
39A	SD 50093	4.00 L	2.00 LB/AC	PRE	92	75	0	92	75	80	115	20
39B	METALACHLOR	8.00 E	2.00 LB/AC	PRE								
40A	SD 50093	4.00 L	2.00 LB/AC	PRE	92	78	0	92	75	82	136	22
40B	ALACHLOR	4.00 E	2.00 LB/AC	PRE								
41A	SD 50093	4.00 L	2.00 LB/AC	PRE	90	92	0	90	90	82	120	20
41B	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE								
42	CP 55097	5.00 E	2.00 LB/AC	PRE	95	70	0	95	65	78	114	22
43	CP 55097	5.00 E	3.00 LB/AC	PRE	95	78	22	95	70	78	114	21
44A	CP 55097	5.00 E	2.00 LB/AC	PRE	98	88	0	98	88	85	138	21
44B	ATRAZINE	4.00 L	1.50 LB/AC	PRE								
45	NC 22444	50.00 W	0.50 LB/AC	PRE	50	32	0	50	28	32	121	20
46	NC 22444	50.00 W	1.00 LB/AC	PRE	72	58	0	72	60	72	103	21
47	NC 22444	50.00 W	2.00 LB/AC	PRE	88	70	38	88	60	78	98	20
48	CHECK (CULTIVATED)	0.0 CK	0.0		75	100	0	100	100	100	129	19
			LSD(05):		17	11	NS	11	13	10	11	14

14

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 260 N, 60 P, 60 K
 DATE PLANTED: MAY 11 1979
 VARIETY: PIONEER 3369A
 SOIL TYPE: MAURY SILT LOAM
 PH: 6.8 O.M.: 3.4%
 DATE TREATED: MAY 11 1979 PRE
 MAY 14 1979 3DL
 OCT 30 1979 HAR

TABLE 7. Corn Preplant Incorporated.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979-----						YLD	POP
					GRAS	BRLE	CRIN	GIFT	JINE	VELE		
1	CP 55097	5.00 E	2.00 LB/AC	PPI	92	72	5	92	75	72	70	22
2	CP 55097	5.00 F	3.00 LB/AC	PPI	98	80	0	98	85	82	106	21
3A	CP 55097	5.00 E	2.00 LB/AC	PPI	95	95	0	95	95	95	103	22
3B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
4A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	92	88	0	92	90	92	120	21
4B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
5A	CYANAZTNE	4.00 L	2.00 LB/AC	PPI	72	85	0	72	85	85	75	21
5B	ATRAZINE	4.00 L	1.00 LB/AC	PPI								
6A	ALACHLOR	4.00 E	2.00 LB/AC	PPI	85	88	0	85	88	88	113	21
6B	SD 50093	4.00 L	2.00 LB/AC	PPI								
7A	METALACHLOR	8.00 E	2.00 LB/AC	PPI	92	85	0	92	88	88	117	21
7B	ATRAZINE	4.00 L	1.60 LB/AC	PPI								
8	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PPI	92	88	0	92	88	88	119	20
9A	METALACHLOR	8.00 E	2.00 LB/AC	PPI	92	85	0	92	88	85	111	21
9B	SD 50093	4.00 L	2.00 LB/AC	PPI								
10	BUTYLATE + R-25788	6.70 F	4.00 LB/AC	PPI	88	35	0	88	52	35	16	19
11	BUTYLATE + R-25788	6.70 E	6.00 LB/AC	PPI	90	28	0	90	48	42	18	21
12A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	90	78	0	90	80	78	89	20
12B	SD 50093	4.00 L	2.00 LB/AC	PPI								
13A	BUTYLATE + R-25788	6.70 E	3.00 LB/AC	PPI	90	92	0	90	90	90	107	20
13B	ATRAZINE	4.00 L	1.00 LB/AC	PPI								
13C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PPI								
14A	EPTC + R25788	6.70 E	3.00 LB/AC	PPI	92	92	0	92	95	92	108	21
14B	SD 50093	4.00 L	2.00 LB/AC	PPI								
15A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	90	58	0	90	65	58	56	21
15B	DICAMBA	4.00 S	0.50 LB/AC	PRE								
16A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	90	65	0	90	80	62	69	19
16B	DICAMBA	4.00 S	0.50 LB/AC	SPK								
17A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	92	20	0	92	40	18	23	20
17B	WITH R-33865	0.50	0.33	PPI								

TABLE 7. Corn Preplant Incorporated (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979-----						YLD	POP
					GRAS	HRLE	CRIN	GIFI	JIWE	VELE		
18A	BUTYLATE PKG MIX	6.00 EC	4.00	LR/AC PPI	90	20	0	90	45	35	56	20
18B	WITH R-33865	0.75	0.50	PPI								
19A	BUTYLATE PKG MIX	6.00 EC	4.00	LR/AC PPI	92	18	0	92	25	18	18	19
19B	WITH R-33865	1.00	0.67	PPI								
20A	BUTYLATE PKG MIX	6.00 FC	4.00	LR/AC PPI	92	95	0	92	95	95	106	20
20B	WITH R-33865	0.50	0.33	PPI								
20C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
21A	BUTYLATE PKG MIX	6.00 EC	6.00	LR/AC PPI	95	95	0	95	95	95	102	21
21B	WITH R-33865	0.50	0.50	PPI								
21C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
22A	BUTYLATE PKG MIX	6.00 EC	4.00	LR/AC PPI	92	92	0	92	92	92	125	21
22B	WITH R-33865	0.75	0.50	PPI								
22C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
23A	BUTYLATE PKG MIX	6.00 EC	6.00	LR/AC PPI	98	92	0	98	90	92	103	22
23B	WITH R-33865	0.75	0.75	PPI								
23C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
24A	BUTYLATE PKG MIX	6.00 EC	4.00	LR/AC PPI	95	92	0	95	92	92	117	21
24B	WITH R-33865	1.00	0.67	PPI								
24C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
25A	BUTYLATE PKG MIX	6.00 EC	6.00	LR/AC PPI	98	95	0	98	95	95	117	20
25B	WITH R-33865	1.00	1.00	PPI								
25C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
26A	EPTC PKG MIX	6.00 EC	4.00	LR/AC PPI	95	65	0	95	72	60	69	20
26B	WITH R-33865	0.50	0.33	PPI								
27A	EPTC PKG MIX	6.00 FC	4.00	LR/AC PPI	95	65	0	95	72	65	79	21
27B	WITH R-33865	0.75	0.50	PPI								
28A	EPTC PKG MIX	6.00 EC	4.00	LR/AC PPI	92	60	0	92	75	65	72	21
28B	WITH R-33865	1.00	0.67	PPI								
29A	EPTC PKG MIX	6.00 EC	4.00	LR/AC PPI	92	98	0	92	98	100	100	22
29B	WITH R-33865	0.50	0.33	PPI								
29C	ATRAZINE	4.00 L	1.50	LR/AC PPI								
30A	EPTC PKG MIX	6.00 FC	6.00	LR/AC PPI	100	98	0	100	98	98	112	21
30B	WITH R-33865	0.50	0.50	PPI								
30C	ATRAZINE	4.00 L	1.50	LR/AC PPI								

TABLE 7. Corn Preplant Incorporated (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979-----						YLD	POP
					GRAS	RRLE	CRIN	GIET	JIWE	VELE		
31A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPT	100	98	0	100	95	95	114	22
31B	WITH R-33865	0.75	0.50	PPI								
31C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
32A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	100	0	100	100	100	120	21
32B	WITH R-33865	0.75	0.75	PPI								
32C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
33A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	95	95	0	95	95	95	130	20
33B	WITH R-33865	1.00	0.67	PPI								
33C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
34A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	100	0	100	100	100	120	21
34B	WITH R-33865	1.00	1.00	PPI								
34C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
35A	VERNOLATE + R-25788	6.70 E	4.00 LB/AC	PPI	88	92	0	88	92	92	108	20
35B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
36A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	90	68	0	90	68	78	82	20
36B	WITH R-33865	1.00	0.67	PPI								
37A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	88	95	0	88	82	88	121	22
37B	WITH R-33865	1.00	0.67	PPI								
37C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
38A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	90	78	0	90	72	68	84	20
38B	WITH R-33865	0.50	0.33	PPI								
38C	CYANAZINE	4.00 L	2.00 LB/AC	PPI								
39A	VERNOLATE + R-25788	6.70 E	6.00 LB/AC	PPI	98	100	0	98	100	100	112	21
39B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
40A	VERNOLATE PKG MIX	6.00 EC	6.00 LB/AC	PPI	92	95	0	92	98	100	108	21
40B	WITH R-33865	1.00	1.00	PPI								
40C	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
41A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	92	78	0	92	82	75	82	21
41B	WITH R-33865	0.75	0.50	PPI								
41C	CYANAZINE	4.00 L	2.00 LB/AC	PPI								
42A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	95	80	0	95	82	82	90	21
42B	WITH R-33865	1.00	0.67	PPI								
42C	CYANAZINE	4.00 L	2.00 LB/AC	PPI								
43A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	98	95	0	98	88	88	121	21
43B	WITH R-33865	0.50	0.33	PPI								
43C	CYANAZINE	4.00 L	2.00 LB/AC	PPI								

TABLE 7. Corn Preplant Incorporated (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979 -----						YLD	POP
					GRAS	BRLE	CRIN	GIFT	JIWE	VELE		
44A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	90	0	100	90	90	104	21
44B	WITH R-33865	0.75	0.50	PPI								
44C	CYANAZINE	4.00 L	2.00 LB/AC	PPI								
45A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	95	88	0	95	92	92	119	21
45B	WITH R-33865	1.00	0.67	PPI								
45C	CYANAZINE	4.00 L	2.00 LB/AC	PPI								
46	FENAC	1.50 EC	1.00 LB/AC	PPI	82	72	0	82	82	72	98	20
47A	FENAC	1.50 EC	0.50 LB/AC	PPI	72	92	0	72	92	88	111	22
47B	ATRAZINE	4.00 L	2.00 LB/AC	PPI								
48A	AC 206784	5.50 E	3.50 LB/AC	PPI	80	88	0	80	90	90	100	21
48B	ATRAZINE	4.00 L	1.50 LB/AC	PPI								
49A	AC 206784	5.50 E	3.50 LB/AC	PPI	85	78	0	85	78	82	75	20
49B	CYANAZINE	4.00 L	2.00 LB/AC	PPI								
50	CHECK (CULTIVATED)	0.0 CK	0.0		100	100	0	100	100	100	90	20
			LSD(05):		7	11	NS	7	16	15	16	NS

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 260 N, 60 P, 60 K PH: 6.8 O.M.: 3.4%
 DATE PLANTED: MAY 10 1979 DATE TREATED: MAY 10 1979 PPI PRE
 VARIETY: PIONEER 3369A MAY 18 1979 SPK
 OCT 17 1979 HAR

TABLE 8. Corn Postemergence.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFT	RRPW		
1A	ATRAZINE	4.00 L	0.75 LB/AC	PRE	52	90	0	52	90	138	21
1B	AMETRYNE	80.00 WP	1.00 LB/AC	PD							
2	2,4-D AMINE	4.00 E	0.50 LB/AC	EP	30	92	0	30	92	118	22
3A	ATRAZINE	4.00 L	2.00 LB/AC	MP	60	90	0	60	90	144	20
3B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP							
4	ATRAZINE	4.00 L	2.00 LB/AC	MP	72	92	0	72	92	159	22
5A	METALACHLOR	8.00 E	2.00 LB/AC	EP	98	100	0	98	100	154	21
5B	ATRAZINE	4.00 L	1.60 LB/AC	EP							
6A	METALACHLOR	8.00 E	2.00 LB/AC	EP	98	98	0	98	98	159	20
6B	ATRAZINE	4.00 L	1.60 LB/AC	EP							
6C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP							
7	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	MP	72	85	0	72	85	141	21
8A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	MP	85	92	0	85	92	154	22
8B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP							
9A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	90	0	90	90	156	20
9B	DICAMBA	4.00 S	0.50 LB/AC	SPK							
10A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	88	92	0	88	95	153	22
10B	DICAMBA	4.00 S	0.25 LB/AC	LP							
11A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	98	0	100	98	166	21
11B	BENTAZON	4.00 E	0.50 LB/AC	EP							
11C	ATRAZINE	4.00 L	0.50 LB/AC	EP							
11D	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP							
12A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	92	95	0	92	95	161	21
12B	BENTAZON	4.00 E	0.75 LB/AC	EP							
12C	ATRAZINE	4.00 L	0.75 LB/AC	EP							
12D	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP							
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	100	0	90	100	146	21
13B	BENTAZON	4.00 E	0.75 LB/AC	EP							
13C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP							
14A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	98	0	95	98	154	21
14B	ATRAZINE	4.00 L	2.00 LB/AC	EP							
14C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP							
15A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	87	87	0	87	87	146	21
15B	BROMOXNYL	2.00 E	0.50 LB/AC	LP							

TABLE 8. Corn Postemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFI	RRPW		
16	M-3972	3.00 E	0.09 LB/AC	EP	30	38	0	30	38	123	20
17	M-3972	3.00 E	0.18 LB/AC	EP	10	32	0	10	32	73	20
18A	M-3972	3.00 E	0.09 LB/AC	EP	38	68	0	38	68	123	20
18B	2,4-D AMINE	4.00 E	0.25 LB/AC	EP							
19A	M-3972	3.00 E	0.18 LB/AC	EP	28	90	0	28	90	118	21
19B	2,4-D AMINE	4.00 E	0.25 LB/AC	EP							
20A	M-3972	3.00 E	0.09 LB/AC	LP	18	88	0	18	88	82	21
20B	2,4-D AMINE	4.00 E	0.25 LB/AC	LP							
21A	M-3972	3.00 E	0.18 LB/AC	LP	48	88	0	48	88	115	20
21B	2,4-D AMINE	4.00 E	0.25 LB/AC	LP							
22	M-3972	3.00 E	0.09 LB/AC	LP	12	28	0	12	28	65	19
23	M-3972	3.00 E	0.18 LB/AC	LP	45	60	0	45	60	117	20
24A	AC 206784	5.50 E	3.50 LB/AC	PRE	80	90	0	80	90	143	20
24B	BENTAZON	4.00 E	0.75 LB/AC	EP							
24C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP							
25A	AC 206784	5.50 E	3.50 LB/AC	PRE	88	40	0	88	38	135	22
25B	DICAMBA	4.00 S	0.50 LB/AC	EP							
26A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	100	100	0	100	100	154	22
26B	ATRAZINE	4.00 L	2.00 LB/AC	SPK							
27A	PENDIMETHALIN	4.00 E	1.50 LB/AC	4LF	95	98	0	98	98	150	21
27B	ATRAZINE	4.00 L	2.00 LB/AC	4LF							
27C	AC 206784	5.50 E	1.00 LB/AC	4LF							
28A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	100	85	0	100	92	142	20
28B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK							
29A	AC 206784	5.50 E	3.50 LB/AC	SPK	98	95	0	98	95	150	22
29B	CYANAZINE	80.00 WP	2.40 LB/AC	SPK							
30	CYANAZINE	80.00 WP	2.40 LB/AC	SPK	95	95	0	95	95	154	22
31	R-40244	2.00 E	0.50 LB/AC	SPK	95	92	50	95	92	126	19
32	R-40244	2.00 E	1.00 LB/AC	SPK	92	95	50	90	95	123	20
33	WE'D	50.00 W	0.50 LB/AC	FP	38	75	0	38	75	124	20

TABLE 8. Corn Postemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 25 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFT	RRPW		
34	WE'D	50.00 W	1.00 LB/AC	EP	48	82	0	55	82	150	21
35A	NC 22444	50.00 W	0.50 LB/AC	EP	60	70	0	52	70	109	20
35B	SURFACTANT	0.50 WA	0.0 %								
36A	NC 22444	50.00 W	0.75 LB/AC	EP	80	82	0	80	82	145	21
36B	SURFACTANT	0.50 WA	0.0 %								
37A	NC 22444	50.00 W	1.00 LB/AC	EP	90	90	0	90	90	151	21
37B	SURFACTANT	0.50 WA	0.0 %								
38	CHECK (CULTIVATED)	0.0 CK	0.0		100	100	0	100	100	161	21
				LSD(05):	26	23	5	26	23	19	NS

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 260 N, 60 P, 60 K

PH: 6.8 O.M.: 3.4%

DATE PLANTED: MAY 11 1979

DATE TREATED: MAY 11 1979 PRE

VARIETY: PIONEER 3369A

MAY 21 1979 SPK

MAY 31 1979 EP

JUNE 8 1979 MP 4LF JUNE 10 1979 LP

OCT 17 1979 HAR

TABLE 9. No-Till Corn in Killed Fescue Sod.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979-----						YLD	POP
					GRAS	BRLE	CRIN	SOKI	GIFT	RRPW		
1A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	95	100	0	22	100	100	164	23
1B	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
1C	SURFACTANT	0.50 WA	0.50 %	PRE								
2A	SIMAZINE	4.00 L	2.00 LB/AC	PRE	100	100	18	20	100	100	155	23
2B	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
2C	SURFACTANT	0.50 WA	0.50 %	PRE								
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	92	0	0	92	92	158	23
3B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
4A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	95	100	0	20	95	100	177	22
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
4C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
4D	SURFACTANT	0.50 WA	0.50 %	PRE								
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	100	15	20	100	100	154	22
5B	SIMAZINE	80.00 WP	1.50 LB/AC	PRE								
5C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	100	22	20	100	100	162	23
6B	SIMAZINE	4.00 L	1.50 LB/AC	PRE								
6C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
6D	SURFACTANT	0.50 WA	0.50 %	PRE								
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	100	100	0	0	100	100	162	23
7B	SIMAZINE	4.00 L	1.50 LB/AC	PRE								
7C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE								
8A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	95	100	0	0	95	100	155	21
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
8C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	100	0	0	90	100	171	22
9B	ATRAZINE	4.00 L	2.00 LB/AC	PRE								
9C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE								
10A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	92	100	0	0	92	100	166	22
10B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
10C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
10D	SURFACTANT	0.50 WA	0.50 %	PRE								
11A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	100	0	0	90	100	167	19
11B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
11C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
12A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	100	15	35	100	100	154	22
12B	SIMAZINE	80.00 WP	1.60 LB/AC	PRE								
12C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
12D	SURFACTANT	0.50 WA	0.50 %	PRE								

TABLE 9. No-Till Corn in Killed Fescue Sod (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----						YLD	POP
					GRAS	BRLE	CRIN	SOKI	GIFT	RRPW		
13A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	90	100	0	0	98	100	154	21
13B	SIMAZINE	4.00 L	2.00 LB/AC	PRE								
13C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
13D	SURFACTANT	0.50 WA	0.50 %	PRE								
14A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	100	0	0	100	100	160	23
14B	SIMAZINE	4.00 L	1.60 LB/AC	PRE								
14C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
15A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	100	100	0	0	100	100	158	22
15B	SIMAZINE	4.00 L	2.00 LB/AC	PRE								
15C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
16A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	98	0	0	95	98	164	22
16B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
16C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
16D	SURFACTANT	0.50 WA	0.50 %	PRE								
17A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	98	100	0	0	98	100	171	24
17B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
17C	SIMAZINE	4.00 L	1.00 LB/AC	PRE								
17D	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
17E	SURFACTANT	0.50 WA	0.50 %	PRE								
18A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	92	98	0	0	95	98	161	22
18B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
18C	SIMAZINE	4.00 L	1.00 LB/AC	PRE								
18D	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
19A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	88	98	0	0	92	98	158	19
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
19C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
20A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	95	95	0	0	95	95	161	23
20B	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
20C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
20D	SURFACTANT	0.50 WA	0.50 %	PRE								
21A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	90	95	0	0	95	95	173	22
21B	ALACHLOR	4.00 E	2.50 LB/AC	PRE								
21C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
22A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	90	98	5	0	90	98	173	22
22B	PARAQUAT	2.00 F	0.25 LB/AC	PRE								
22C	SURFACTANT	0.50 WA	0.50 %	PRE								
23A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	90	98	0	0	98	98	170	22
23B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								

TABLE 9. No-Till Corn in Killed Fescue Sod (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979-----						YLD	POP
					GRAS	BRLE	CRIN	SQKI	GIFI	RRPW		
24A	R-40244	2.00 E	1.00 LB/AC	PRE	92	100	22	52	92	100	139	20
24B	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
24C	SURFACTANT	0.50 WA	0.50 %	PRE								
25A	R-40244	2.00 E	2.00 LB/AC	PRE	92	98	0	35	92	98	139	21
25B	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
25C	SURFACTANT	0.50 WA	0.50 %	PRE								
26A	R-40244	2.00 E	1.00 LB/AC	PRE	90	100	0	0	95	100	166	21
26B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
27A	R-40244	2.00 E	2.00 LB/AC	PRE	88	100	38	0	88	100	126	20
27B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
28A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	85	98	0	0	90	98	160	22
28B	ATRAZINE	4.00 L	1.00 LB/AC	PRE								
28C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
28D	SURFACTANT	0.50 WA	0.50 %	PRE								
29A	PENDIMETHALIN	4.00 E	1.50 LB/AC	4WK	72	95	0	0	98	95	168	24
29B	ATRAZINE	4.00 L	2.00 LB/AC	4WK								
29C	PARAQUAT	2.00 E	0.25 LB/AC	4WK								
29D	SURFACTANT	0.50 WA	0.50 %	4WK								
30A	PENDIMETHALIN	4.00 E	1.50 LB/AC	2WK	95	100	0	0	95	100	162	21
30B	ATRAZINE	4.00 L	2.00 LB/AC	2WK								
30C	PARAQUAT	2.00 E	0.25 LB/AC	2WK								
30D	SURFACTANT	0.50 WA	0.50 %	2WK								
31A	PENDIMETHALIN	4.00 E	2.00 LB/AC	4WK	72	95	0	0	92	95	158	22
31B	ATRAZINE	4.00 L	2.00 LB/AC	4WK								
31C	PARAQUAT	2.00 E	0.25 LB/AC	4WK								
31D	SURFACTANT	0.50 WA	0.50 %	4WK								
32A	PENDIMETHALIN	4.00 E	2.00 LB/AC	2WK	92	100	0	0	92	100	158	21
32B	ATRAZINE	4.00 L	2.00 LB/AC	2WK								
32C	PARAQUAT	2.00 E	0.25 LB/AC	2WK								
32D	SURFACTANT	0.50 WA	0.50 %	2WK								
33A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	100	100	12	0	100	100	148	21
33B	CYANAZINE	4.00 L	3.00 LB/AC	SPK								
33C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
33D	SURFACTANT	0.50 WA	0.50 %	PRE								
34A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	95	100	18	0	95	100	152	21
34B	ATRAZINE	4.00 L	2.00 LB/AC	SPK								
34C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
34D	SURFACTANT	0.50 WA	0.50 %	PRE								

TABLE 9. No-Till Corn in Killed Fescue Sod (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979-----						YLD	POP
					GRAS	BRLE	CRIN	SOKI	GIFT	RRPW		
35A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	100	100	20	0	100	100	157	23
35B	SD 50093	4.00 L	3.00 LB/AC	SPK								
35C	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
35D	SURFACTANT	0.50 WA	0.50 %	PRE								
36A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	88	92	0	0	95	92	161	23
36B	CYANAZINE	4.00 L	2.00 LB/AC	PRE								
36C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
37A	SD 50093	4.00 L	3.00 LB/AC	PRE	90	100	0	0	95	100	164	20
37B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
38A	SD 50093	80.00 WP	3.00 LB/AC	PRE	95	100	0	0	95	100	162	22
38B	PARAQUAT	2.00 E	0.25 LB/AC	PRE								
38C	SURFACTANT	0.50 WA	0.50 %	PRE								
39A	SD 50093	4.00 L	3.00 LB/AC	PRE	92	98	0	0	92	98	162	21
39B	METALACHLOR	8.00 E	2.00 LB/AC	PRE								
39C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
40A	CP 55097	5.00 E	2.50 LB/AC	PRE	72	88	0	0	92	85	167	23
40B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
41A	CP 55097	5.00 E	2.00 LB/AC	PRE	90	100	0	0	95	100	156	20
41B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
41C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE								
42A	SD 50093	4.00 L	2.50 LB/AC	PRE	90	100	0	0	90	100	163	22
42B	GLYPOSATE	4.00 E	1.50 LB/AC	PRE								
43A	SD 50093	4.00 L	2.00 LB/AC	PRE	95	98	0	0	95	98	149	21
43B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
43C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE								
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0	42	100	100	134	21
44B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
44C	DINOSEB	3.00 E	1.50 LB/AC	PRE								
45A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0	40	100	100	137	21
45B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
45C	DINOSEB	3.00 E	3.00 LB/AC	PRE								
46A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	98	100	0	70	98	100	145	22
46B	DINOSEB	3.00 E	3.00 LB/AC	PRE								
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	100	0	45	70	100	163	24
47B	ATRAZINE	4.00 L	1.60 LB/AC	PRE								
47C	DINOSEB	5.00 E	2.50 LB/AC	PRE								

TABLE 9. No-Till Corn in Killed Fescue Sod (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----						YLD	POP
					GRAS	BRLE	CRIN	SOKI	GIFT	RRPW		
48A	ALACHLOR	4.00 E	2.50 LB/AC PRE		98	98	0	38	98	98	147	23
48B	ATRAZINE	4.00 L	1.60 LB/AC PRE									
48C	DINOSER	5.00 E	5.00 LB/AC PRE									
				LS0(05):	10	5	34	NS	5	12	NS	

LOCATION: SPINDLETOP FARM

SOIL TYPE: MAURY SILT LOAM

FERTILIZATION (LB/AC): 260 N, 60 P, 60 K

PH: 6.4 O.M.: 4.0%

DATE PLANTED: MAY 21 1979

DATE TREATED: APRIL 20 1979 4WK

VARIETY: PIONEER 3369A

MAY 4 1979 2WK

MAY 16 1979 PRE

JUNE 1 1979 SPK

OCT 31 1979 HAR

TABLE 10. Corn No-Till in Stalkland.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFI	RRPW		
1A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	85	90	0	80	90	139	21
1B	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
1C	SURFACTANT	0.50 WA	0.50 %	PRE							
2A	SIMAZINE	4.00 L	2.00 LB/AC	PRE	80	85	0	80	85	122	20
2B	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
2C	SURFACTANT	0.50 WA	0.50 %	PRE							
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	80	0	70	80	138	26
3B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
4A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	85	95	0	90	95	159	24
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE							
4C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
4D	SURFACTANT	0.50 WA	0.50 %	PRE							
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	95	0	90	90	133	20
5B	SIMAZINE	80.00 WP	1.50 LB/AC	PRE							
5C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	90	0	85	85	153	22
6B	SIMAZINE	4.00 L	1.50 LB/AC	PRE							
6C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
6D	SURFACTANT	0.50 WA	0.50 %	PRE							
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	95	95	0	90	90	160	23
7B	SIMAZINE	4.00 L	1.50 LB/AC	PRE							
7C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE							
8A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	75	90	0	80	90	147	21
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE							
8C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	90	0	85	90	138	19
9B	ATRAZINE	4.00 L	2.00 LB/AC	PRE							
9C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE							
10A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	65	90	0	75	90	108	22
10B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
10C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
10D	SURFACTANT	0.50 WA	0.50 %	PRE							
11A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	85	90	0	85	90	138	23
11B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
11C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
12A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	85	90	0	85	90	132	23
12B	SIMAZINE	80.00 WP	1.60 LB/AC	PRE							
12C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
12D	SURFACTANT	0.50 WA	0.50 %	PRE							

TABLE 10. Corn No-Till in Stalkland (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFT	RRPW		
13A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	85	95	0	90	95	157	21
13B	SIMAZINE	4.00 L	2.00 LB/AC	PRE							
13C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
13D	SURFACTANT	0.50 WA	0.50 %	PRE							
14A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	95	0	90	90	144	20
14B	SIMAZINE	4.00 L	1.60 LB/AC	PRE							
14C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
15A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	90	90	0	90	90	125	24
15B	SIMAZINE	4.00 L	2.00 LB/AC	PRE							
15C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
16A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	60	0	80	65	131	23
16B	CYANAZINE	4.00 L	2.00 LB/AC	PRE							
16C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
16D	SURFACTANT	0.50 WA	0.50 %	PRE							
17A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	90	0	85	85	114	21
17B	ATRAZINE	4.00 L	1.00 LB/AC	PRE							
17C	SIMAZINE	4.00 L	1.00 LB/AC	PRE							
17D	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
17E	SURFACTANT	0.50 WA	0.50 %	PRE							
18A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	90	0	85	85	115	22
18B	ATRAZINE	4.00 L	1.00 LB/AC	PRE							
18C	SIMAZINE	4.00 L	1.00 LB/AC	PRE							
18D	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
19A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	80	90	0	85	90	127	21
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE							
19C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
20A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	50	75	0	55	75	142	23
20B	ALACHLOR	4.00 E	2.50 LB/AC	PRE							
20C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
20D	SURFACTANT	0.50 WA	0.50 %	PRE							
21A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	85	70	0	85	70	124	23
21B	ALACHLOR	4.00 E	2.50 LB/AC	PRE							
21C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
22A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	90	90	0	90	90	134	23
22B	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
22C	SURFACTANT	0.50 WA	0.50 %	PRE							
23A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	85	90	0	85	90	123	19
23B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							

TABLE 10. Corn No-Till in Stalkland (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFI	RRPW		
24A	R-40244	2.00 E	1.00 LB/AC	PRE	65	80	0	65	80	131	25
24B	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
24C	SURFACTANT	0.50 WA	0.50 %	PRE							
25A	R-40244	2.00 E	2.00 LB/AC	PRE	90	95	0	90	90	156	21
25B	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
25C	SURFACTANT	0.50 WA	0.50 %	PRE							
26A	R-40244	2.00 E	1.00 LB/AC	PRE	75	85	0	80	85	135	21
26B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
27A	R-40244	2.00 E	2.00 LB/AC	PRE	80	90	0	85	90	127	23
27B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
28A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	70	90	0	80	90	137	21
28B	ATRAZINE	4.00 L	1.00 LB/AC	PRE							
28C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
28D	SURFACTANT	0.50 WA	0.50 %	PRE							
29A	PENDIMETHALIN	4.00 E	1.50 LB/AC	4WK	40	70	0	50	80	117	23
29B	ATRAZINE	4.00 L	2.00 LB/AC	4WK							
29C	PARAQUAT	2.00 E	0.25 LB/AC	4WK							
29D	SURFACTANT	0.50 WA	0.50 %	4WK							
30A	PENDIMETHALIN	4.00 E	1.50 LB/AC	2WK	65	80	0	75	80	124	24
30B	ATRAZINE	4.00 L	2.00 LB/AC	2WK							
30C	PARAQUAT	2.00 E	0.25 LB/AC	2WK							
30D	SURFACTANT	0.50 WA	0.50 %	2WK							
31A	PENDIMETHALIN	4.00 E	2.00 LB/AC	4WK	75	90	0	80	85	136	21
31B	ATRAZINE	4.00 L	2.00 LB/AC	4WK							
31C	PARAQUAT	2.00 E	0.25 LB/AC	4WK							
31D	SURFACTANT	0.50 WA	0.50 %	4WK							
32A	PENDIMETHALIN	4.00 E	2.00 LB/AC	2WK	70	90	0	75	90	131	19
32B	ATRAZINE	4.00 L	2.00 LB/AC	2WK							
32C	PARAQUAT	2.00 E	0.25 LB/AC	2WK							
32D	SURFACTANT	0.50 WA	0.50 %	2WK							
33A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	90	90	10	90	90	124	23
33B	CYANAZINE	4.00 L	3.00 LB/AC	SPK							
33C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
33D	SURFACTANT	0.50 WA	0.50 %	PRE							
34A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	90	90	0	85	85	157	21
34B	ATRAZINE	4.00 L	2.00 LB/AC	SPK							
34C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
34D	SURFACTANT	0.50 WA	0.50 %	PRE							

TABLE 10. Corn No-Till in Stalkland (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----					YLD	POP
					GRAS	BRLE	CRIN	GIFT	RRPW		
35A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	95	95	0	95	95	143	18
35B	SD 50093	4.00 L	3.00 LB/AC	SPK							
35C	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
35D	SURFACTANT	0.50 WA	0.50 %	PRE							
36A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	50	80	0	50	85	134	23
36B	CYANAZINE	4.00 L	2.00 LB/AC	PRE							
36C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
37A	SD 50093	4.00 L	3.00 LB/AC	PRE	75	75	0	85	80	138	24
37B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
38A	SD 50093	80.00 WP	3.00 LB/AC	PRE	80	85	0	80	85	152	21
38B	PARAQUAT	2.00 E	0.25 LB/AC	PRE							
38C	SURFACTANT	0.50 WA	0.50 %	PRE							
39A	SD 50093	4.00 L	3.00 LB/AC	PRE	85	80	0	80	80	144	24
39B	METALACHLOR	8.00 E	2.00 LB/AC	PRE							
39C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
40A	CP 55097	5.00 E	2.50 LB/AC	PRE	80	75	0	80	75	135	21
40B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
41A	CP 55097	5.00 E	2.00 LB/AC	PRE	80	90	0	80	90	135	22
41B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
41C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE							
42A	SD 50093	4.00 L	2.50 LB/AC	PRE	70	85	0	75	85	132	19
42B	GLYPOSATE	4.00 E	1.50 LB/AC	PRE							
43A	SD 50093	4.00 L	2.00 LB/AC	PRE	75	90	0	75	85	136	17
43B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
43C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE							
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	75	0	85	85	135	24
44B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
44C	DINOSB	3.00 E	1.50 LB/AC	PRE							
45A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	85	85	0	80	85	130	19
45B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
45C	DINOSB	3.00 E	3.00 LB/AC	PRE							
46A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	65	85	0	75	85	126	21
46B	DINOSB	5.00 E	2.50 LB/AC	PRE							
47A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	70	85	0	75	85	143	21
47B	DINOSB	5.00 E	5.00 LB/AC	PRE							

TABLE 10. Corn No-Till in Stalkland (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JUNE 27 1979 -----					YLD	POP
					GRAS	HRLE	CRIN	GFY	RRPW		
48A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	80	95	0	80	90	153	20
48B	ATRAZINE	4.00 L	2.00 LB/AC	PRE							
48C	DINOSEB	3.00 E	3.00 LB/AC	PRE							
49A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	65	90	0	70	90	143	22
49B	DINOSEB	3.00 E	3.00 LB/AC	PRE							
50A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	90	0	80	80	135	20
50B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
50C	DINOSEB	5.00 E	2.50 LB/AC	PRE							
51A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	90	0	80	90	137	24
51B	ATRAZINE	4.00 L	1.60 LB/AC	PRE							
51C	DINOSEB	5.00 E	5.00 LB/AC	PRE							
52A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	65	90	0	70	90	126	22
52B	DINOSEB	3.00 E	1.50 LB/AC	PRE							
LSD(05):					23	16	NS	NS	NS	29	NS

LOCATION: SPINDL SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 260 N, 60 P, 60 K PH: 6.4 O.M.: 5.1%
 DATE PLANTED: MAY 21 1979 DATE TREATED: APRIL 20 1979 4WK
 VARIETY: PIONEER 3369A MAY 4 1979 2WK
 MAY 16 1979 PRE

JUNE 1 1979 SPK OCT 31 1979 HAR

TABLE 11. Corn Yellow Nutsedge.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 197		AUGUST 2 1		YLD	POP
					YENS	CRIN	YENS	CRIN		
1	ALACHLOR	4.00 E	3.00 LB/AC	PRE	78	0	75	0	141	20
2	ALACHLOR	4.00 E	2.50 LB/AC	PPI	80	0	80	0	147	20
3	ALACHLOR	4.00 E	3.00 LB/AC	PPI	82	0	80	0	134	20
4	METALACHLOR	8.00 E	2.50 LB/AC	PRE	88	0	88	0	144	20
5	METALACHLOR	8.00 E	3.00 LB/AC	PRE	88	0	85	0	151	20
6	METALACHLOR	8.00 E	2.50 LB/AC	PPI	100	0	98	0	138	21
7	METALACHLOR	8.00 E	3.00 LB/AC	PPI	98	0	95	0	136	19
8	CP 55097	5.00 E	1.50 LB/AC	PRE	75	0	75	0	150	21
9	CP 55097	5.00 E	2.00 LB/AC	PRE	78	0	78	0	139	19
10	CP 55097	5.00 E	2.50 LB/AC	PRE	85	0	78	0	151	20
11	CP 55097	5.00 E	1.50 LB/AC	PPI	88	0	82	0	143	19
12	CP 55097	5.00 E	2.00 LB/AC	PPI	88	0	85	0	138	21
13	CP 55097	5.00 E	2.50 LB/AC	PPI	92	0	90	0	140	20
14	CP 55097	5.00 E	3.00 LB/AC	PPI	92	0	90	0	143	20
15A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	82	0	80	0	149	20
15B	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
16A	ALACHLOR	4.00 E	3.00 LB/AC	PRE	75	0	75	0	143	21
16B	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
17A	ALACHLOR	4.00 E	3.00 LB/AC	PPI	88	0	85	0	150	20
17B	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
18A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	88	0	88	0	150	20
18B	ATRAZINE	4.00 L	1.50 LB/AC	PRE						
19A	METALACHLOR	8.00 E	2.50 LB/AC	PPI	95	0	92	0	140	19
19B	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
20A	BUTYLATE + 9-25788	6.70 E	4.00 LB/AC	PPI	88	0	85	0	143	21
20B	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
21A	EPTC + R25788	6.70 E	4.00 LB/AC	PPI	90	0	88	0	147	19
21B	ATRAZINE	4.00 L	1.50 LB/AC	PPI						

TABLE 11. Corn Yellow Nutsedge (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 197		AUGUST 2 1		YLD	POP
					YENS	CRIN	YENS	CRIN		
22A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	100	0	98	0	158	20
22B	WITH R-33865	0.50	0.33	PPI						
22C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
23A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	98	0	95	0	153	21
23B	WITH R-33865	0.75	0.50	PPI						
23C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
24A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	95	0	92	0	139	22
24B	WITH R-33865	1.00	0.67	PPI						
24C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
25A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	100	0	100	0	146	19
25B	WITH R-33865	0.50	0.50	PPI						
25C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
26A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	98	0	95	0	154	22
26B	WITH R-33865	0.75	0.75	PPI						
26C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
27A	EPTC PKG MIX	6.00 EC	6.00 LB/AC	PPI	98	0	98	0	154	21
27B	WITH R-33865	1.00	1.00	PPI						
27C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
28A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	92	0	92	0	163	21
28B	WITH R-33865	0.50	0.33	PPI						
28C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
29A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	82	0	80	0	119	22
29B	WITH R-33865	0.75	0.50	PPI						
29C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
30A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	90	0	88	0	147	22
30B	WITH R-33865	1.00	0.67	PPI						
30C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
31A	VERNOLATE + R-25788	6.70 E	4.00 LB/AC	PPI	100	0	100	0	142	20
31B	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
32A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	92	0	92	0	164	20
32B	WITH R-33865	1.00	0.67	PPI						
32C	ATRAZINE	4.00 L	1.50 LB/AC	PPI						
33	RE-28269	4.00 E	1.00 LB/AC	PRE	55	0	50	0	121	20
34	RE-28269	4.00 E	2.00 LB/AC	PRE	78	0	75	0	146	19

TABLE 11. Corn Yellow Nutsedge (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 197		AUGUST 2 1		YLD	POP
					YENS	CRIN	YENS	CRIN		
35	PE-28269	4.00 E	4.00 LB/AC	PRE	85	0	85	0	133	20
36	RE-28269	4.00 E	2.00 LB/AC	PPI	90	0	88	0	141	19
37A	BENTAZON	4.00 E	0.75 LB/AC	EP	92	0	88	0	129	21
37B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
38A	BENTAZON	4.00 E	0.75 LB/AC	LP	78	0	72	0	100	22
38B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	LP						
39A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	78	0	78	0	141	19
39B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
39C	S-734	75.00 WP	1.00 LB/AC	EP						
40A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	78	0	78	0	145	21
40B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
40C	S-734	75.00 WP	1.00 LB/AC	LBY						
41A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	72	0	72	0	146	21
41B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
41C	S-734	75.00 WP	1.50 LB/AC	LBY						
42	CHECK (CULTIVATED)	0.0 CK	0.0		100	0	100	0	139	20
LSD(05):					11	0	12	0	13	NS

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 260 N, 60 P, 60 K
 DATE PLANTED: MAY 10 1979
 VARIETY: PIONEER 3369A

SOIL TYPE: MAURY SILT LOAM
 PH: 6.4 O.M.: 2.6%
 DATE TREATED: MAY 10 1979 PPI PRE
 JUNE 4 1979 EP
 JUNE 12 1979 LP LBY

OCT 9 1979 HAR

TABLE 12. Soybean Preemergence.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIN	GIFI	JIWE	CUCA
1	CHLORAMBEN	2.00 E	3.00 LB/AC	PPE	90	30	0	90	30	28
2	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE	72	78	0	72	78	78
3	LINURON	4.00 L	1.00 LB/AC	PRE	85	80	0	85	80	80
4	METALACHLOR	8.00 E	2.50 LB/AC	PRE	92	42	0	92	42	42
5	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	45	0	48	52	38
6	CP 55097	5.00 E	2.00 LB/AC	PRE	92	68	18	92	68	62
7	CP 55097	5.00 E	2.50 LB/AC	PRE	90	78	15	90	78	78
8	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE	90	88	52	90	88	88
9	RH-8817	2.00 E	0.75 LB/AC	PRE	95	90	42	95	90	90
10	RH-8817	2.00 E	1.00 LB/AC	PRE	92	92	90	92	92	92
11	BAS 479	1.70 EC	1.00 LB/AC	PRE	92	62	0	92	62	50
12A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	72	0	90	72	72
12B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	95	85	0	95	85	65
13B	LINURON	4.00 L	1.00 LB/AC	PRE						
14A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	90	82	100	90	90
14B	RH-8817	2.00 E	0.75 LB/AC	PRE						
15A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	92	88	100	92	92
15B	RH-8817	2.00 E	1.00 LB/AC	PRE						
16A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	85	5	90	85	85
16B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE						
16C	NANPA/DN	3.00 E	3.00 LB/AC	PRE						
17A	CP 55097	5.00 F	2.00 LB/AC	PRE	92	88	15	92	88	82
17B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
18A	CP 55097	5.00 E	2.00 LB/AC	PRE	92	82	35	92	82	82
18B	LINURON	4.00 L	1.00 LB/AC	PRE						
19A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	92	80	5	92	82	80
19B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						

TABLE 12. Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979 -----					
					GRAS	BRLE	CRIN	GIFT	JIWE	COCB
20A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	92	80	0	70	80	78
20B	LINURON	4.00 L	1.00 LB/AC	PRE						
21A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	92	78	0	92	78	75
21B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
22A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	80	5	90	80	62
22B	NANPA/DN	3.00 E	4.50 LB/AC	CR						
23A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	88	50	90	88	88
23B	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE						
24A	DIETHATYL	4.00 E	2.00 LB/AC	PRE	92	82	25	92	82	80
24B	BIFENOX	80.00 WP	1.60 LB/AC	PRE						
25A	DIETHATYL	4.00 E	2.00 LB/AC	PRE	85	80	0	85	80	80
25B	DPX 2504-B	4.00 L	0.50 LB/AC	PRE						
26A	DIETHATYL	4.00 E	2.00 LB/AC	PRE	92	84	0	92	82	82
26B	LINURON	4.00 L	1.00 LB/AC	PRE						
27A	CHLORAMBEN	2.00 E	2.50 LB/AC	PRE	90	62	0	88	62	62
27B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
28A	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE	88	60	0	65	60	65
28B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE						
29A	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE	92	82	0	92	82	80
29B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
29C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE						
30A	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE	92	80	0	92	80	78
30B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
30C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE						
31A	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE	90	72	0	92	70	75
31B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE						
31C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE						
32A	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PRE	92	80	0	92	82	78
32B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
32C	NANPA/DN	3.00 E	3.00 LB/AC	PRE						
33A	LINURON	4.00 L	0.75 LB/AC	PRE	90	78	0	90	78	78
33B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
33C	NANPA/DN	3.00 E	3.00 LB/AC	PRE						

TABLE 12. Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIN	GIFT	LIWE	COCB
34A	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PRE	90	80	0	90	80	80
34B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
34C	NANPA/DN	3.00 E	3.00 LB/AC	PRE						
35A	LINURON	4.00 L	0.75 LB/AC	PRE	92	75	0	92	75	72
35B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
35C	NANPA/DN	3.00 F	3.00 LB/AC	PRE						
36	EL-5219	3.00 EC	0.75 LB/AC	PRE	88	15	0	88	22	22
37	EL-5219	3.00 EC	0.94 LB/AC	PRE	85	22	0	85	22	22
38A	EL-5219	3.00 EC	0.75 LB/AC	PRE	88	62	0	88	62	60
38B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE						
39A	EL-5219	3.00 EC	0.94 LB/AC	PRE	88	72	0	88	72	72
39B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE						
40A	EL-5219	3.00 EC	0.75 LB/AC	PRE	88	82	0	88	82	82
40B	LINURON	4.00 L	1.00 LB/AC	PRE						
41A	EL-5219	3.00 EC	0.94 LB/AC	PRE	88	82	0	88	82	82
41B	LINURON	4.00 L	1.00 LB/AC	PRE						
42A	EL-5219	3.00 EC	0.75 LB/AC	PRE	50	48	0	50	48	32
42B	NANPA/DN	3.00 E	4.50 LB/AC	PRE						
43A	EL-5219	3.00 EC	0.94 LB/AC	PRE	88	68	0	88	68	68
43B	NANPA/DN	3.00 E	4.50 LB/AC	PRE						
44A	EL-5219	3.00 EC	0.75 LB/AC	PRE	90	30	0	90	25	35
44B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE						
45A	EL-5219	3.00 EC	0.94 LB/AC	PRE	90	32	0	90	30	32
45B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE						
46A	NANPA/DN	3.00 E	4.50 LB/AC	PRE	60	82	0	60	82	82
46B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
47A	BAS 479	1.70 EC	0.50 LB/AC	PRE	92	80	0	92	80	80
47B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
48A	AC 206784	5.50 F	3.50 LB/AC	PRE	90	80	0	90	82	80
48B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
49A	AC 206784	5.50 E	3.50 LB/AC	PRE	92	75	0	92	80	78
49B	LINURON	75.00 DF	1.00 LB/AC	PRE						

TABLE 12. Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIN	GIFI	JIWE	COCB
50A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	90	82	28	90	82	82
50B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE						
51A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	90	82	15	90	82	82
51B	LINURON	50.00 WP	1.00 LB/AC	PRE						
52A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	90	68	0	90	68	62
52B	NANPA/DN	3.00 E	4.50 LB/AC	PRE						
53A	RH-8817	2.00 E	0.75 LB/AC	PRE	98	88	80	98	88	88
53B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
54A	RH-8817	2.00 E	1.00 LB/AC	PRE	100	92	88	100	92	90
54B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
55A	RH 8254	2.00 E	0.50 LB/AC	PRE	98	92	25	98	88	92
55B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
56A	RH 8254	2.00 E	0.75 LB/AC	PRE	90	85	20	90	85	85
56B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
57A	BIFENOX	4.00 F	1.50 LB/AC	PRE	95	78	30	95	78	70
57B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
58A	BIFENOX	4.00 F	1.50 LB/AC	PRE	92	85	40	92	85	85
58B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
59	BIFENOX	4.00 F	1.50 LB/AC	PRE	80	78	25	80	80	72
60A	BIFENOX	80.00 WP	1.60 LB/AC	PRE	90	75	38	90	78	70
60B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
61	M-13384	3.50 EC	2.00 LB/AC	PRE	88	80	22	88	80	80
62	MC 10982	2.00 EC	0.50 LB/AC	PRE	88	85	12	88	85	82
63	MC 10108	2.00 EC	0.50 LB/AC	PRE	90	88	30	90	90	88
64A	MC 10982	2.00 EC	0.38 LB/AC	PRE	92	85	20	92	85	85
64B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
65A	MC 10108	2.00 EC	0.38 LB/AC	PRE	95	85	60	95	88	85
65B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
66	DPX-6573	50.00 W	1.50 LB/AC	PRE	70	65	0	70	65	65
67A	DPX-6573	50.00 W	1.50 LB/AC	PRE	95	88	0	95	88	88
67B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						

TABLE 12. Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIN	GIFT	JIWE	COCB
68A	DPX-6573	50.00 W	1.50 LB/AC	PRE	92	85	0	92	85	88
68B	METALACHLOR	8.00 E	2.00 LB/AC	PRE						
69	NC 22444	50.00 W	0.50 LB/AC	PRE	60	62	0	42	62	62
70	NC 22444	50.00 W	1.00 LB/AC	PRE	75	58	0	75	58	52
71	NC 22444	50.00 W	2.00 LB/AC	PRE	85	82	22	85	82	80
72	CHECK (CULTIVATED)	0.0 CK	0.0		100	100	0	100	100	100
				LSD(05):	13	15	11	24	16	19

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 6.7 O.M.: 3.6%
 DATE PLANTED: MAY 15 1979 DATE TREATED: MAY 15 1979 PRE
 VARIETY: WILLIAMS MAY 22 1979 CR

TABLE 13. Soybean Preplant Incorporated and Overlay.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979 -----						
					GRAS	HRLE	CRIN	GIFT	JIWE	COCB	COLQ
1	ALACHLOR	4.00 E	2.50 LB/AC PPI		90	20	0	90	20	20	25
2	CP 55097	5.00 E	2.00 LB/AC PPI		90	60	0	90	60	60	60
3	CP 55097	5.00 E	2.50 LB/AC PPI		90	72	20	90	72	72	70
4	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC PPI		72	62	0	72	62	62	75
5	PENDIMETHALIN	4.00 E	1.50 LB/AC PPI		90	38	0	90	38	35	72
6	VERNOLATE	7.00 E	2.50 LB/AC PPI		88	25	0	88	25	25	70
7	FLUCLORALIN	4.00 E	1.00 LB/AC PPI		88	12	0	70	12	12	52
8	TRIFLURALIN	4.00 E	0.75 LB/AC PPI		85	32	0	85	32	32	58
9	TRIFLURALIN	4.00 E	1.00 LB/AC PPI		90	12	0	90	12	12	68
10	PROFLURALIN	4.00 E	1.00 LB/AC PPI		88	10	0	88	10	10	48
11	ORYFLUORFEN	2.00 E	0.38 LB/AC PPI		68	72	0	68	72	72	72
12	ORYFLUORFEN	2.00 E	0.50 LB/AC PPI		70	78	0	70	78	78	78
13	ORYFLUORFEN	2.00 E	0.75 LB/AC PPI		78	82	0	78	82	82	82
14	EL-171	4.00 EC	0.08 LB/AC PPI		12	10	0	12	10	10	10
15	EL-171	4.00 EC	0.15 LB/AC PPI		68	18	0	68	18	18	22
16	SONALAN	3.00 E	0.75 LB/AC PPI		85	25	0	85	22	25	42
17A	SONALAN	3.00 E	0.75 LB/AC PPI		90	70	0	90	68	70	82
17B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC PPI								
18A	ALACHLOR	4.00 E	2.50 LB/AC PPI		88	78	0	88	78	78	85
18B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC PPI								
19A	ALACHLOR	4.00 E	2.50 LB/AC PPI		90	80	0	90	82	80	82
19B	ORYFLUORFEN	2.00 E	0.50 LB/AC PPI								
20A	ALACHLOR	4.00 E	2.50 LB/AC PPI		92	88	8	92	88	82	88
20B	ORYFLUORFEN	2.00 E	0.75 LB/AC PPI								
21A	CP 55097	5.00 E	2.00 LB/AC PPI		92	82	0	92	82	82	88
21B	METRIBUZIN 1	4.00 F	0.50 LB/AC PPI								

TABLE 13. Soybean Preplant Incorporated and Overlay (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----						
					GRAS	BRLE	CRIN	GIFI	JIWE	COCB	COLO
22A	CP 55097	5.00 F	2.00 LB/AC	PPI	90	75	0	90	75	70	82
22B	LINURON	4.00 L	1.00 LB/AC	PPI							
23A	METALACHLOR	8.00 E	2.00 LB/AC	PPI	90	78	0	90	78	78	82
23B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PPI							
24A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	18	5	90	18	18	40
24B	M-4287	6.00 E	2.00 LB/AC	PPI							
25A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	22	0	90	22	22	85
25B	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI							
26A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	58	0	90	58	58	68
26B	CHLORAMBEN	2.00 E	1.00 LB/AC	PPI							
26C	METRIBUZIN 1 OR 2	50.00 WP	0.25 LB/AC	PPI							
27A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	62	0	90	62	62	72
27B	CHLORAMBEN	2.00 E	1.50 LB/AC	PPI							
27C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI							
28A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	52	0	90	52	52	65
28B	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI							
28C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI							
29A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	88	75	0	88	72	75	75
29B	METRIBUZIN 2	75.00 DF	0.50 LB/AC	PPI							
30A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	75	28	90	75	68	78
30B	CHLORPROPHAM	4.00 E	3.00 LB/AC	CR							
31A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	85	25	0	85	25	25	50
31B	EL-171	4.00 EC	0.08 LB/AC	PPI							
32A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	82	42	0	82	42	40	58
32B	FL-171	4.00 EC	0.15 LB/AC	PPI							
33A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	85	72	0	85	72	72	78
33B	EL-171	4.00 EC	0.08 LB/AC	PPI							
33C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI							
34A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	85	70	0	85	70	70	58
34B	EL-171	4.00 EC	0.15 LB/AC	PPI							
34C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI							
35A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	80	0	90	80	80	85
35B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI							
35C	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE							

TABLE 13. Soybean Preplant Incorporated and Overlay (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----						
					GPAS	BRLE	CRIN	GIFI	JIWE	COCB	COLD
36A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	80	78	0	80	78	78	80
36B	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PPI							
36C	METRIBUZIN 2	75.00 DF	0.25 LB/AC	PRE							
37A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	88	70	0	88	70	70	85
37B	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PPI							
37C	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI							
38A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	80	0	90	80	80	90
38B	ORYFLUORFEN	2.00 E	0.50 LB/AC	PPI							
39A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	90	82	10	90	82	82	82
39B	ORYFLUORFEN	2.00 E	0.75 LB/AC	PPI							
40A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	75	90	38	98	90	90	90
40B	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE							
41A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	88	68	0	88	68	58	58
41B	ORYFLUORFEN	2.00 E	0.25 LB/AC	PPI							
42A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	88	70	10	88	70	68	82
42B	ORYFLUORFEN	2.00 E	0.38 LB/AC	PPI							
43A	VERNOLATE	7.00 E	2.00 LB/AC	PPI	85	35	0	85	35	35	62
43B	CHLORAMBEN	2.00 E	1.50 LB/AC	PPI							
44A	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI	90	55	0	90	55	55	60
44B	METALACHLOR	8.00 E	2.00 LB/AC	PPI							
45A	AC 206784	5.50 E	3.50 LB/AC	PPI	82	70	0	82	70	70	78
45B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PPI							
46A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	88	68	0	88	68	68	75
46B	DPX 2504-B	4.00 L	0.50 LB/AC	PPI							
47A	PENDIMETHALIN	4.00 E	1.25 LB/AC	PPI	90	70	8	90	70	70	80
47B	VERNOLATE	7.00 E	2.00 LB/AC	PPI							
48A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	88	72	12	88	72	72	88
48B	VERNOLATE	7.00 E	2.00 LB/AC	PPI							
48C	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI							
49A	S-734	75.00 WP	0.50 LB/AC	PPI	90	55	0	90	55	55	62
49B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI							
50A	S-734	75.00 WP	0.75 LB/AC	PPI	90	70	0	90	70	70	75
50B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI							

TABLE 13. Soybean Preplant Incorporated and Overlay (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----						
					GRAS	BRLE	CRIN	GIFT	JIWE	COCB	COLQ
51A	S-734	75.00 WP	0.75 LB/AC	PPI	90	62	0	90	62	62	58
51B	NANPA/DN	3.00 E	4.50 LB/AC	CR							
52A	S-734	75.00 WP	1.00 LB/AC	PPI	90	58	0	90	58	58	60
52B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI							
53	S-734	75.00 WP	1.00 LB/AC	PPI	88	10	0	88	10	10	10
54	M-13384	3.50 EC	2.00 LB/AC	PPI	75	32	0	75	32	32	40
55A	BIFENOX	4.00 F	1.50 LB/AC	PPI	88	72	0	88	72	70	72
55B	ALACHLOR	4.00 E	2.00 LB/AC	PPI							
56A	BIFENOX	4.00 F	1.50 LB/AC	PPI	80	32	0	80	32	32	38
56B	DIETHATYL	4.00 E	2.00 LB/AC	PPI							
57A	BIFENOX	4.00 F	1.50 LB/AC	PPI	90	35	0	90	35	35	52
57B	PROFLURALIN	4.00 E	1.00 LB/AC	PPI							
58A	BIFENOX	4.00 F	1.50 LB/AC	PPI	90	40	0	90	40	40	80
58B	FLUCHLORALIN	4.00 E	0.75 LB/AC	PPI							
59A	BIFENOX	4.00 F	1.50 LB/AC	PPI	90	48	0	90	48	48	58
59B	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI							
60A	BIFENOX	4.00 F	1.50 LB/AC	PPI	90	50	0	90	50	50	60
60B	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI							
61A	BIFENOX	4.00 F	1.50 LB/AC	PPI	78	40	0	78	40	40	40
61B	DIETHATYL	4.00 E	2.00 LB/AC	PPI							
62	MC 10982	2.00 EC	0.38 LB/AC	PPI	50	32	0	50	32	32	42
63	MC 10108	2.00 EC	0.38 LB/AC	PPI	72	55	0	60	55	55	55
64A	MC 10982	2.00 EC	0.38 LB/AC	PPI	68	48	0	68	48	45	62
64B	TRIFLURALIN	4.00 F	0.75 LB/AC	PPI							
65A	MC 10108	2.00 EC	0.38 LB/AC	PPI	88	72	0	88	72	68	85
65B	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI							
66	CHECK (CULTIVATED)	0.0 CK	0.0		100	75	0	100	100	100	100
				LSD (05):	13	21	8	13	19	19	24

TABLE 13. Soybean Preplant Incorporated and Overlay (cont.)

LOCATION: SPINDLETOP FARM SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 3.6 O.M.: 6.7%
DATE PLANTED: MAY 15 1979 DATE TREATED: MAY 15 1979 PPI PRE
VARIETY: WILLIAMS MAY 22 1979 CR

TABLE 14. Soybean Postemergence.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIN	GIFT	JIWE	COCB
1A	METRIBUZIN 1	4.00 F	0.38 LB/AC	LP	12	70	40	12	70	70
2A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	68	0	92	68	68
2B	NANPA/DN	3.00 E	1.50 LB/AC	EP						
3A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	82	90	0	82	90	90
3B	BENTAZON	4.00 E	0.75 LB/AC	EP						
3C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
4A	METRIBUZIN 1	4.00 F	0.38 LB/AC	LP	12	78	35	12	78	78
4B	SURFACTANT	0.50 WA	0.50 %	LP						
5A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	98	90	0	98	90	90
5B	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD						
5C	NANPA/DN	3.00 E	3.00 LB/AC	POD						
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	72	55	0	72	80	80
6B	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD						
6C	2,4-DB	2.00 E	0.10 LB/AC	POD						
7A	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD	22	80	0	22	80	80
7B	NANPA/DN	3.00 E	3.00 LB/AC	POD						
8A	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE	92	70	20	92	70	70
8B	HOE 23408	3.00 E	1.00 LB/AC	EP						
8C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
9A	ORYZALIN	4.00 AS	1.50 LB/AC	CR	85	82	0	85	82	82
9B	NANPA/DN	3.00 E	4.50 LB/AC	CR						
10A	METALACHLOR	8.00 E	2.00 LB/AC	CR	90	75	0	90	75	75
10B	NANPA/DN	3.00 E	4.50 LB/AC	CR						
11A	PENDIMETHALIN	4.00 E	1.00 LB/AC	CR	95	88	70	95	88	88
11B	METRIBUZIN 1	4.00 F	0.38 LB/AC	CR						
11C	NANPA/DN	3.00 E	3.00 LB/AC	CR						
12A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	95	75	8	95	80	80
12B	NANPA/DN	3.00 E	2.00 LB/AC	EP						
12C	NANPA/DN	3.00 E	2.00 LB/AC	10D						
13A	METALACHLOR	8.00 F	2.00 LB/AC	PRE	92	80	5	92	80	80
13B	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP						
13C	TRITON AG 98 SURFACT	0.0 WA	0.25 %	MP						

TABLE 14. Soybean Postemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIN	GIFI	JIWE	COCB
14A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	95	88	8	95	90	90
14B	ACIFLUORFEN	2.00 E	0.38 LB/AC	MP						
14C	TRITON AG 98 SURFACT	0.0 WA	0.25 %	MP						
15A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	88	10	100	88	88
15B	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP						
15C	TRITON AG 98 SURFACT	0.0 WA	0.25 %	MP						
16A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	88	22	100	90	90
16B	ACIFLUORFEN	2.00 E	0.75 LB/AC	MP						
16C	TRITON AG 98 SURFACT	0.0 WA	0.25 %	MP						
17A	ACIFLUORFEN	2.00 E	1.00 LB/AC	LP	28	65	20	28	65	62
17B	TRITON AG 98 SURFACT	0.0 WA	0.25 %	LP						
18A	NAPTALAM	2.00 EC	1.50 LB/AC	LP	30	50	0	30	50	50
18B	ACIFLUORFEN	2.00 E	0.50 LB/AC	LP						
19A	LINURON	4.00 L	1.00 LB/AC	PRE	92	82	8	92	82	82
19B	HOE 23408	3.00 E	1.00 LB/AC	EP						
19C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
20A	AC 206784	5.50 E	3.50 LB/AC	PPI	78	78	0	78	78	78
20B	BENTAZON	4.00 E	0.75 LB/AC	EP						
20C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
21A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	80	82	0	80	82	82
21B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI						
21C	BENTAZON	4.00 E	0.75 LB/AC	EP						
21D	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
22A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	88	92	10	88	92	92
22B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI						
22C	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP						
22D	TRITON AG 98 SURFACT	0.0 WA	0.25 %	MP						
23A	ALACHLOR	4.00 E	2.00 LB/AC	CR	90	80	0	90	80	80
23B	DINOSER	3.00 E	2.00 LB/AC	CR						
24A	ALACHLOR	4.00 E	2.00 LB/AC	CR	95	80	0	95	80	80
24B	DINOSER	3.00 E	3.00 LB/AC	CR						
25A	ALACHLOR	4.00 E	2.00 LB/AC	CR	100	90	0	100	90	90
25B	DINOSER	3.00 E	2.00 LB/AC	CR						
25C	DINOSER	3.00 E	0.75 LB/AC	MP						
26A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	82	0	90	82	82
26B	DINOSER	3.00 E	2.25 LB/AC	PRE						
26C	DINOSER	3.00 E	0.75 LB/AC	MP						

TABLE 14. Soybean Postemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	GRIN	GIEI	JIWE	COCB
27A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	88	0	92	88	88
27B	DINOSER	3.00 E	3.00 LB/AC	PRE						
27C	DINOSER	3.00 E	0.75 LB/AC	MP						
28A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	90	2	92	90	90
28B	DINOSER	3.00 E	4.50 LB/AC	PRE						
28C	DINOSER	3.00 E	0.75 LB/AC	MP						
29A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	92	72	0	92	72	72
29B	CHLORAMBEN	2.00 E	3.00 LB/AC	EP						
30A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	90	30	100	90	90
30B	CHLORAMBEN	2.00 E	2.00 LB/AC	EP						
30C	BENTAZON	4.00 E	0.38 LB/AC	EP						
30D	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
31A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	88	15	100	88	88
31B	CHLORAMBEN	2.00 E	2.00 LB/AC	EP						
31C	BROMOXNYL	2.00 E	0.25 LB/AC	EP						
32A	VERNOLATE	7.00 E	2.50 LB/AC	PPI	90	90	30	90	90	90
32B	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP						
32C	TRITON AG 90 SURFACT	0.0 WA	0.25 %	MP						
33A	BAS 479	1.70 EC	0.75 LB/AC	PRE	95	90	0	95	92	92
33B	BENTAZON	4.00 E	0.75 LB/AC	EP						
33C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
34	DPX-4189	50.00 W	0.03 LB/AC	EP	70	72	100	70	72	72
35	DPX-4189	50.00 W	0.13 LB/AC	EP	75	80	100	75	80	80
36	BTS-7903	3.00 E	0.25 LB/AC	MP	32	10	0	32	10	10
37A	BTS-7903	3.00 E	0.25 LB/AC	MP	10	48	0	10	48	48
37B	BENTAZON	4.00 E	0.25 LB/AC	MP						
37C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP						
38	CHECK (CULTIVATED)	0.0 CK	0.0		100	100	0	100	100	100
				LSD (05):	16	14	12	16	13	12

TABLE 14. Soybean Postemergence (cont.)

LOCATION: SPINDLETOP FARM	SOIL TYPE: MAURY SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 6.7 O.M.: 3.6%
DATE PLANTED: MAY 15 1979	DATE TREATED: MAY 15 1979 PRE
VARIETY: WILLIAMS	MAY 22 1979 CR
	JUNE 1 1979 10D
JUNE 4 1979 EP	JUNE 10 1979 MP
	JUNE 13 1979 LP

TABLE 15. Soybean Postemergence Supplement.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	BRLE	CRIM	GIFI	JIWE	RRPW
1A	RAS 9052	1.53 EC	0.25 LB/AC	MP	77	43	10	77	63	43
1B	BENTAZON	4.00 E	0.75 LB/AC	MP						
1C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP						
2A	RAS 9052	1.53 EC	0.50 LB/AC	MP	77	37	10	77	73	30
2B	BENTAZON	4.00 E	0.75 LB/AC	MP						
2C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP						
3A	RAS 9052	1.53 EC	0.75 LB/AC	MP	100	23	0	100	87	23
3B	BENTAZON	4.00 E	0.75 LB/AC	MP						
3C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP						
4A	BENTAZON	4.00 E	0.38 LB/AC	EP	57	77	10	57	77	77
4B	ACIFLUORFEN	2.00 E	0.25 LB/AC	EP						
4C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC							
5A	BENTAZON	4.00 E	0.38 LB/AC	EP	90	90	23	90	90	90
5B	ACIFLUORFEN	2.00 E	0.38 LB/AC	EP						
5C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC							
6A	BENTAZON	4.00 E	0.38 LB/AC	EP	90	93	27	90	93	93
6B	ACIFLUORFEN	2.00 E	0.50 LB/AC	EP						
6C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC							
7A	BENTAZON	4.00 E	0.50 LB/AC	MP	50	90	0	50	90	90
7B	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP						
7C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC							
8A	BENTAZON	4.00 E	0.50 LB/AC	MP	37	73	0	37	73	73
8B	ACIFLUORFEN	2.00 E	0.38 LB/AC	MP						
8C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC							
9A	BENTAZON	4.00 E	0.50 LB/AC	MP	63	53	0	63	77	53
9B	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP						
9C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC							
10A	MC 10978	2.00 S	0.38 LB/AC	MP	50	80	20	50	80	80
10B	SURFACTANT	0.50 WA	0.50 %	MP						
11A	MC 10978	2.00 S	0.50 LB/AC	MP	17	70	30	17	70	70
11B	SURFACTANT	0.50 WA	0.50 %	MP						
12A	MC 10978	2.00 S	0.50 LB/AC	LP	43	70	0	43	70	70
12B	SURFACTANT	0.50 WA	0.50 %	LP						
13A	MC 10978	2.00 S	0.75 LB/AC	LP	43	80	7	43	80	80
13B	SURFACTANT	0.50 WA	0.50 %	LP						

TABLE 15. Soybean Postemergence Supplement (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 5 1979-----					
					GRAS	RRLE	CRIN	GIFT	JIWE	RRPW
14A	MC 7783	2.00 S	2.50 LB/AC	MP	43	87	37	43	87	87
14B	SURFACTANT	0.50 WA	0.50 %	MP						
15A	MC 7783	2.00 S	2.50 LB/AC	LP	53	60	0	53	60	60
15B	SURFACTANT	0.50 WA	0.50 %	MP						
16A	DIETHATYL	4.00 E	2.50 LB/AC	PRE	90	90	7	90	90	90
16B	BENTAZON	4.00 E	0.75 LB/AC	EP						
16C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP						
17A	DIETHATYL	4.00 E	2.50 LB/AC	PRE	100	90	23	100	90	90
17B	ACIFLUORFEN	2.00 E	0.50 LB/AC	EP						
17C	TRITON AG 9R SURFACT	0.0 WA	0.25 %	EP						
18	CHECK (CULTIVATED)	0.0 CK	0.0		83	97	0	83	97	97
				LSD(05):	40	20	18	40	17	19

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 17 1979
 VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
 PH: 6.7 O.M.: 3.5%
 DATE TREATED: MAY 17 1979 PRE
 JUNE 4 1979 EP
 JUNE 10 1979 MP

JUNE 13 1979 LP

TABLE 16. No-Till Soybeans in Wheat Stubble.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----					YLD
					GRAS	BRLE	CRIN	GIFT	RRPW	
1A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	87	90	0	87	90	42
1B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE						
1C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
1D	SURFACTANT	0.50 WA	0.50 %	PRE						
2A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	87	90	0	87	90	38
2B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE						
2C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE						
3A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	87	97	0	87	97	45
3B	LINURON	50.00 WP	1.00 LB/AC	PRE						
3C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
3D	SURFACTANT	0.50 WA	0.50 %	PRE						
4A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	87	90	0	87	90	38
4B	LINURON	4.00 L	1.00 LB/AC	PRE						
4C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE						
5A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	80	80	0	80	90	31
5B	BIFENOX	4.00 F	1.50 LB/AC	PRE						
5C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
5D	SURFACTANT	0.50 WA	0.50 %	PRE						
6A	EL-5219	3.00 EC	0.94 LB/AC	PRE	73	90	0	73	90	34
6B	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
6C	SURFACTANT	0.50 WA	0.50 %	PRE						
7A	EL-5219	3.00 EC	1.31 LB/AC	PRE	77	93	0	77	93	33
7B	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
7C	SURFACTANT	0.50 WA	0.50 %	PRE						
8A	EL-5219	3.00 EC	0.94 LB/AC	PRE	63	90	0	63	90	35
8B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
8C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
8D	SURFACTANT	0.50 WA	0.50 %	PRE						
9A	EL-5219	3.00 EC	1.31 LB/AC	PRE	83	90	0	83	90	37
9B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
9C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
9D	SURFACTANT	0.50 WA	0.50 %	PRE						
10A	EL-5219	3.00 EC	0.94 LB/AC	PRE	70	90	0	70	90	34
10B	LINURON	4.00 L	1.00 LB/AC	PRE						
10C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
10D	SURFACTANT	0.50 WA	0.50 %	PRE						
11A	EL-5219	3.00 EC	1.31 LB/AC	PRE	87	90	0	87	90	38
11B	LINURON	4.00 L	1.00 LB/AC	PRE						
11C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
11D	SURFACTANT	0.50 WA	0.50 %	PRE						

TABLE 16. No-Till Soybeans in Wheat Stubble (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----					YLD.
					GRAS	BRLE	CRIN	GIFT	RRPW	
12A	ORYZALIN	75.00 WP	1.00 LB/AC	PRE	83	93	0	83	93	34
12B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
12C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
12D	SURFACTANT	0.50 WA	0.50 %	PRE						
13A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	80	90	0	80	90	33
13B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
13C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
14A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	73	90	0	73	90	35
14B	LINURON	50.00 WP	1.00 LB/AC	PRE						
14C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
14D	SURFACTANT	0.50 WA	0.50 %	PRE						
15A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	87	90	0	87	90	39
15B	LINURON	4.00 L	1.00 LB/AC	PRE						
15C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
15D	SURFACTANT	0.50 WA	0.50 %	PRE						
16A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	73	90	0	73	90	37
16B	LINURON	4.00 L	1.00 LB/AC	PRE						
16C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
17A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	83	93	0	83	93	39
17B	LINURON	4.00 L	1.00 LB/AC	PRE						
17C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
18A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	83	90	0	83	90	39
18B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
18C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
18D	SURFACTANT	0.50 WA	0.50 %	PRE						
19A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	83	97	0	83	97	36
19B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
19C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
19D	SURFACTANT	0.50 WA	0.50 %	PRE						
20A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	80	90	0	80	90	39
20B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
20C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
21A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	70	93	0	70	93	36
21B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
21C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
22A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	57	90	0	57	90	35
22B	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
22C	SURFACTANT	0.50 WA	0.50 %	PRE						

TABLE 16. No-Till Soybeans in Wheat Stubble (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----					YLD
					GRAS	BRLE	CRIN	GIFT	RRPW	
23A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	83	90	0	83	90	36
23B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
23C	PARAQUAT	2.00 E	2.50 LB/AC	PRE						
23D	SURFACTANT	0.50 WA	0.50 %	PRE						
24A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	90	90	23	90	90	36
24B	ORYZALIN	75.00 WP	1.50 LB/AC	PRE						
24C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
24D	SURFACTANT	0.50 WA	0.50 %	PRE						
25A	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE	60	87	0	60	87	35
25B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
26A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	90	90	0	90	90	40
26B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
26C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
27A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	90	93	17	90	93	36
27B	ORYZALIN	75.00 WP	1.50 LB/AC	PRE						
27C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
28A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	93	87	7	93	97	34
28B	METALACHLOR	8.00 E	2.50 LB/AC	PRE						
28C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
28D	SURFACTANT	0.50 WA	0.50 %	PRE						
29A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	93	93	23	93	93	41
29B	METALACHLOR	8.00 E	2.50 LB/AC	PRE						
29C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
30A	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PRE	83	93	0	83	93	39
30B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
30C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
30D	SURFACTANT	0.50 WA	0.50 %	PRE						
31A	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PRE	87	90	0	87	90	35
31B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
31C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
32A	LINURON	4.00 L	1.00 LB/AC	PRE	87	90	0	87	90	43
32B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
32C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
32D	SURFACTANT	0.50 WA	0.50 %	PRE						
33A	LINURON	4.00 L	1.00 LB/AC	PRE	77	90	0	77	90	37
33B	ALACHLOR	4.00 E	2.50 LB/AC	PRE						
33C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						

TABLE 16. No-Till Soybeans in Wheat Stubble (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----					YLD.
					GRAS	BRLE	CRIN	GIFT	RRPW	
34A	LINURON	4.00 L	1.00 LB/AC	PRE	90	90	0	90	90	46
34B	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
34C	SURFACTANT	0.50 WA	0.50 %	PRE						
34D	HOE 2340A	3.00 E	1.00 LB/AC	POE						
35A	DIETHATYL	4.00 E	2.50 LB/AC	PRE	63	87	0	63	87	29
35B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE						
35C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
35D	SURFACTANT	0.50 WA	0.50 %	PRE						
36A	DIETHATYL	4.00 E	2.50 LB/AC	PRE	93	93	0	93	93	44
36B	LINURON	4.00 L	1.00 LB/AC	PRE						
36C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
36D	SURFACTANT	0.50 WA	0.50 %	PRE						
37A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	93	0	93	93	48
37B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
37C	ACIFLUORFEN	2.00 LCS	0.50 LB/AC	MP						
38A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	80	93	0	80	93	37
38B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
38C	DINOSEB	3.00 E	1.50 LB/AC	PRE						
39A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	73	90	0	73	90	35
39B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
39C	DINOSEB	3.00 E	3.00 LB/AC	PRE						
40A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	70	90	0	70	90	34
40B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
40C	DINOSEB	5.00 E	2.50 LB/AC	PRE						
41A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	60	90	0	60	90	34
41B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE						
41C	DINOSEB	5.00 E	5.00 LB/AC	PRE						
42A	ALACHLOR	4.00 E	2.50 LB/AC	PRF	67	93	0	63	93	35
42B	LINURON	4.00 L	1.00 LB/AC	PRE						
42C	DINOSEB	3.00 E	1.50 LB/AC	PRE						
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	87	7	77	87	32
43B	LINURON	4.00 L	1.00 LB/AC	PRE						
43C	DINOSEB	3.00 E	3.00 LB/AC	PRE						
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	83	90	0	83	90	38
44B	LINURON	4.00 L	1.00 LB/AC	PRE						
44C	DINOSEB	5.00 E	2.50 LB/AC	PRE						

TABLE 16. No-Till Soybeans in Wheat Stubble (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----					YLD.
					GRAS	BRLE	CRIN	GIFT	RRPW	
45A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	77	90	0	77	90	36
45B	LINURON	4.00 L	1.00 LB/AC	PRE						
45C	DINOSER	5.00 E	5.00 LB/AC	PRE						
46A	CHLORPROPHAM	4.00 E	2.00 LB/AC	PRE	87	93	0	87	93	40
46B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
46C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
46D	SURFACTANT	0.50 WA	0.50 %	PRE						
47A	BIFFNOX	4.00 F	1.50 LB/AC	PRE	77	90	0	77	90	35
47B	ALACHLOR	4.00 E	2.00 LB/AC	PRE						
47C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
47D	SURFACTANT	0.50 WA	0.50 %	PRE						
48A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	70	90	0	70	90	32
48B	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
48C	SURFACTANT	0.50 WA	0.50 %	PRE						
48D	BENTAZON	4.00 E	0.75 LB/AC	EP						
49A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	90	93	0	90	93	37
49B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE						
49C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE						
49D	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
49E	SURFACTANT	0.50 WA	0.50 %	PRE						
50A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	73	90	0	73	90	32
50B	CHLORAMBEN	2.00 E	2.50 LB/AC	PRE						
50C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
50D	SURFACTANT	0.50 WA	0.50 %	PRE						
51A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	93	93	0	93	93	43
51B	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
51C	SURFACTANT	0.50 WA	0.50 %	PRE						
51D	ACIFLUORFEN	2.00 E	0.50 LB/AC	POE						
52A	CHLORPROPHAM	4.00 E	2.00 LB/AC	PRE	80	87	0	80	87	38
52B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE						
52C	PARAQUAT	2.00 F	0.25 LB/AC	PRE						
52D	SURFACTANT	0.50 WA	0.50 %	PRE						
53A	CP 55097	5.00 E	2.00 LB/AC	PRE	87	90	0	87	90	36
53B	LINURON	50.00 WP	1.00 LB/AC	PRE						
53C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
54A	CP 55097	5.00 E	2.50 LB/AC	PRE	87	83	7	87	93	33
54B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						

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TABLE 16. No-Till Soybeans in Wheat Stubble (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----					YLD
					GRAS	RRLE	CRIN	GIFI	RRPW	
55A	CP 55097	5.00 E	2.00 LB/AC	PRE	80	87	0	80	87	31
55B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE						
55C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
56A	CP 55097	5.00 E	2.00 LB/AC	PRE	73	87	30	73	87	24
56B	NANPA/DN	3.00 E	4.50 LB/AC	PRE						
56C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE						
57A	RH-8817	2.00 E	1.00 LB/AC	PRE	80	87	13	80	93	36
57B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE						
57C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
57D	SURFACTANT	0.50 WA	0.50 %	PRE						
58A	RH-8817	2.00 E	1.00 LB/AC	PRE	90	90	0	90	90	40
58B	ALACHLOR	4.00 F	2.00 LB/AC	PRE						
58C	PARAQUAT	2.00 E	0.25 LB/AC	PRE						
58D	SURFACTANT	0.50 WA	0.50 %	PRE						
LSD(05):					19	NS	8	19	NS	5

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K
 DATE PLANTED: JUNE 6 1979
 VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
 PH: 6.6 O.M.: 4.2%
 DATE TREATED: JUNE 6 1979 PRE
 JUNE 27 1979 EP POE
 JULY 5 1979 MP

OCT 29 1979 HAR

TABLE 17. Soybean Yellow Nutsedge.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 197		AUGUST 2 1		YLD
					YENS	CRIN	YENS	CRIN	
1	ALACHLOR	4.00 E	3.00 LB/AC	PRE	78	0	68	0	49
2	ALACHLOR	4.00 E	2.50 LB/AC	PPI	85	0	72	0	45
3	ALACHLOR	4.00 E	3.00 LB/AC	PPI	78	0	75	0	49
4	METALACHLOR	8.00 E	2.50 LB/AC	PRE	90	0	85	0	47
5	METALACHLOR	8.00 E	3.00 LB/AC	PPI	98	0	95	0	43
6	METALACHLOR	8.00 E	2.50 LB/AC	PPI	95	0	90	0	52
7	METALACHLOR	8.00 E	3.00 LB/AC	PRE	90	0	88	0	52
8	CP 55097	5.00 E	1.50 LB/AC	PRE	78	0	68	0	43
9	CP 55097	5.00 E	2.00 LB/AC	PRE	78	0	72	0	41
10	CP 55097	5.00 E	2.50 LB/AC	PRE	85	0	80	0	43
11	CP 55097	5.00 E	1.50 LB/AC	PPI	85	5	78	0	42
12	CP 55097	5.00 E	2.00 LB/AC	PPI	90	12	85	0	39
13	CP 55097	5.00 E	2.50 LB/AC	PPI	88	12	78	0	39
14	VERNOLATE	7.00 E	2.50 LB/AC	PPI	85	0	78	0	47
15	VERNOLATE	7.00 E	3.00 LB/AC	PPI	68	0	58	0	41
16A	VERNOLATE PKG MIX	6.00 EC	2.50 LB/AC	PPI	85	0	75	0	43
16B	WITH R-33865	0.50	0.21	PPI					
17A	VERNOLATE PKG MIX	6.00 EC	2.50 LB/AC	PPI	88	0	82	0	49
17B	WITH R-33865	0.75	0.31	PPI					
18A	VERNOLATE PKG MIX	6.00 EC	2.50 LB/AC	PPI	78	0	68	0	50
18B	WITH R-33865	1.00	0.42	PPI					
19A	VERNOLATE PKG MIX	6.00 EC	3.00 LB/AC	PPI	85	0	80	0	56
19B	WITH R-33865	0.50	0.25	PPI					
20A	VERNOLATE PKG MIX	6.00 EC	3.00 LB/AC	PPI	90	0	85	0	46
20B	WITH R-33865	0.75	0.38	PPI					
21A	VERNOLATE PKG MIX	6.00 EC	3.00 LB/AC	PPI	85	0	75	0	43
21B	WITH R-33865	1.00	0.50	PPI					

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TABLE 17. Soybean Yellow Nutsedge (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 197		AUGUST 2 1		YLD.
					YENS	CRIN	YENS	CRIN	
22A	TRIFLURALIN	4.00 F	0.75 LB/AC	PPI	10	0	10	0	43
22B	EL-171	4.00 EC	0.08 LB/AC	PPI					
23A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	15	0	12	0	34
23B	EL-171	4.00 EC	0.15 LB/AC	PPI					
24A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	70	0	58	0	42
24B	FL-171	4.00 EC	0.15 LB/AC	PPI					
24C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI					
25A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	85	0	80	0	45
25B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI					
25C	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE					
26A	AC 206784	5.50 E	3.00 LB/AC	PPI	85	0	78	0	44
26B	VERNOLATE	7.00 E	2.00 LB/AC	PPI					
27A	AC 206784	5.50 E	6.00 LB/AC	PPI	78	0	65	0	47
27B	VERNOLATE	7.00 E	1.75 LB/AC	PPI					
28A	S-734	75.00 WP	0.75 LB/AC	PPI	92	0	92	0	51
28B	NANPA/DN	3.00 E	4.50 LB/AC	PRE					
29A	S-734	75.00 WP	1.00 LB/AC	PPI	95	0	95	0	48
29B	NANPA/DN	3.00 E	4.50 LB/AC	PRE					
30A	S-734	75.00 WP	1.50 LB/AC	PPI	92	5	92	0	48
30B	NANPA/DN	3.00 E	4.50 LB/AC	PRE					
31	BAS 479	1.70 EC	0.50 LB/AC	PRE	72	0	58	0	46
32	BAS 479	1.70 EC	0.75 LB/AC	PRE	80	0	75	0	47
33	BAS 479	1.70 EC	1.00 LB/AC	PRE	62	0	60	0	49
34	BAS 479	1.70 EC	1.25 LB/AC	PRE	82	0	75	0	43
35	BAS 479	1.70 EC	1.50 LB/AC	PRE	85	0	72	0	46
36A	BAS 479	1.70 EC	0.50 LB/AC	PRE	85	0	80	0	46
36B	BENTAZON	4.00 E	0.50 LB/AC	EP					
36C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP					
37A	BAS 479	1.70 EC	0.50 LB/AC	PRE	80	0	72	0	42
37B	BENTAZON	4.00 E	0.75 LB/AC	EP					
37C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP					

TABLE 17. Soybean Yellow Nutsedge (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JULY 5 197		AUGUST 2 1		YLD
					YENS	CRIN	YENS	CRIN	
38A	BAS 479	1.70 EC	0.75 LB/AC	PRE	85	0	78	0	46
38B	BENTAZON	4.00 E	0.50 LB/AC	EP					
38C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP					
39A	BENTAZON	4.00 E	0.75 LB/AC	EP	75	0	70	0	44
39B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP					
40	RE-28269	4.00 E	1.00 LB/AC	PRE	35	0	45	0	38
41	RE-28269	4.00 E	2.00 LB/AC	PRE	75	0	70	0	51
42	RE-28269	4.00 E	4.00 LB/AC	PRE	88	0	85	0	52
43	RE-28269	4.00 E	2.00 LB/AC	PPI	90	0	85	0	48
44	CHECK (CULTIVATED)	0.0 CK	0.0		100	0	98	0	49
LSD(05):					14	5	19	0	7

59

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 11 1979
 VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM
 PH: 6.4 O.M.: 2.6%
 DATE TREATED: MAY 11 1979 PPI PRE
 JUNE 4 1979 EP
 SEPT 26 1979 HAR

TABLE 18. Soybean Relay Cropping in Standing Wheat.

TRT. NO.	TREATMENT	STAGE	RATE	WHEAT % CROP INJURY	YIELD bu/a	SOYBEANS YIELD bu/a @14%
1.	Pendimethalin	Pre BT	1.5	0	31	47
2.	Pendimethalin	Pre BT	2	0	25	49
3.	Pendimethalin	Till	1.5	0	27	46
4.	Pendimethalin	Till	2	0	27	45
5.	Oryzalin	JT	1.5	0	22	53
6.	Oryzalin	JT	2	10	21	51
7.	Oryzalin + Metribuzin	JT	1 + .38	30	20	49
8.	EL-5219	JT	.94	18	23	50
9.	EL-5219	JT	1.31	0	30	48
10.	EL-5219	Till	.94	0	25	46
11.	EL-5219	Till	1.31	0	35	39
12.	EL-5219 + Metribuzin	Till	.94 + .38	0	23	44
13.	EL-5219 + Metribuzin	Till	1.31 + .38	0	20	49
14.	EL-5219 + Metribuzin	JT	.94 + .38	45	9	50
15.	EL-5219 + Metribuzin	JT	1.13 + .38	53	13	50
16.	EL-5219 + Linuron	Till	.94 + 1	0	18	47
17.	EL-5219 + Linuron	Till	1.31 + 1	0	18	47
18.	EL-5219 + Linuron	JT	.94 + 1	53	9	49
19.	EL-5219 + Linuron	JT	1.31 + 1	55	8	46
20.	S-734	Till	.75	0	28	46
21.	S-734	Till	1	0	28	45
22.	S-734	Till	1.5	0	19	45
23.	S-734	Till + Post	1 + 1	0	20	43
24.	S-734	Till + Post	1 + 3	0	28	45
25.	Check + Soybean		0	0	31	37
26.	Check (Wheat only)		0	0	50	--

LSD

2

4

4

Soybean Planted: May 7 Harvested September 26, 1979

Wheat Harvested: July 9, 1979

Variety wheat - Arthur - Soybean Williams

TABLE 19. Poultry Farm Cocklebur.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE COCB	25 19 CRIN	AUGUST COCB	13 CRIN
1	NANPA/DN	3.00 E	2.25 LB/AC	MP	82	27	7	0
2	NANPA/DN	3.00 E	3.00 LB/AC	LP	88	10	98	0
3	RH-8817	2.00 E	1.00 LB/AC	PRE	70	63	8	0
4A	2,4-DB	2.00 E	0.10 LB/AC	POD	80	5	57	0
4B	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD				
5	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD	58	10	17	0
6	DINoseb	3.00 E	1.50 LB/AC	LP	73	17	18	0
7A	MC 10978	2.00 S	0.50 LB/AC	MP	72	17	3	0
7B	SURFACTANT	0.50 WA	0.50 %	MP				
8	MC 10982	2.00 EC	0.38 LB/AC	PRE	3	0	0	0
9	MC 10108	2.00 EC	0.38 LB/AC	PRE	0	7	0	0
10	DPX-4189	50.00 W	0.06 LB/AC	EP	83	100	8	67
11	DPX-4189	50.00 W	0.13 LB/AC	EP	85	100	15	100
12A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	68	20	8	0
12B	TRITON AG 98 SURFACT	0.0 WA	0.13 %	MP				
13A	BENTAZON	4.00 E	0.75 LB/AC	MP	67	0	23	0
13B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				
14A	BENTAZON	4.00 E	0.75 LB/AC	LP	95	2	92	0
14B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	LP				
15A	BENTAZON	4.00 E	0.25 LB/AC	MP	78	15	80	0
15B	BTS-7903	3.00 E	0.13 LB/AC	MP				
16A	BENTAZON	4.00 E	0.25 LB/AC	LP	72	0	96	0
16B	BTS-7903	3.00 F	0.13 LB/AC	LP				
17A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	78	15	12	0
17B	NANPA/DN	3.00 E	1.50 LB/AC	MP				
18A	NAPTALAM	2.00 EC	1.00 LB/AC	LP	53	47	98	0
18B	SURFACTANT	0.50 WA	0.50 %	LP				
18C	2,4-DB	2.00 E	0.19 LB/AC	LP				
19A	NAPTALAM	2.00 EC	1.50 LB/AC	LP	0	0	100	0
19B	SURFACTANT	0.50 WA	0.50 %	LP				
19C	2,4-DB	2.00 E	0.25 LB/AC	LP				

TABLE 19. Poultry Farm Cocklebur (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 19		AUGUST 13	
					COCB	CRIN	COCB	CRIN
20A	NANPA/DN	3.00 E	1.50 LB/AC	MP	77	43	18	0
20B	2,4-DB	2.00 E	0.19 LB/AC					
21A	NANPA/DN	3.00 E	2.25 LB/AC	LP	82	20	98	0
21B	2,4-DB	2.00 E	0.25 LB/AC					
22A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	82	48	61	0
22B	DINoseb	3.00 E	1.50 LB/AC	LP				
23A	MEFLUIDIDE	2.00 S	0.13 LB/AC	MP	88	7	99	0
23B	ACIFLUORFEN	2.00 E	0.50 LB/AC	LP				
24A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	92	23	98	0
24B	ACIFLUORFEN	2.00 E	0.50 LB/AC	LP				
25A	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE	27	0	0	0
25B	NANPA/DN	3.00 E	4.50 LB/AC	PRE				
26A	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD	63	15	23	0
26B	2,4-DB	2.00 E	0.20 LB/AC	POD				
27A	S-734	75.00 WP	1.00 LB/AC	PRE	0	0	0	0
27B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE				
28A	LINURON	4.00 L	0.75 LB/AC	POD	92	12	82	0
28B	2,4-DB	2.00 E	0.20 LB/AC	POD				
28C	SURFACTANT	0.50 WA	0.50 %	POD				

LSD(05): 10 16 20 16

LOCATION: POULTRY FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 0.0 O.M.: 0.0%
 DATE PLANTED: MAY 14 1979 DATE TREATED: MAY 14 1979 PRE
 VARIETY: WILLIAMS JUNE 4 1979 EP
 JUNE 8 1979 MP

JUNE 12 1979 LP JUNE 15 1979 POD

TABLE 20. Poultry Farm Morning Glory.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 1		AUGUST 14	
					ILMG	CRIN	ILMG	CRIN
1	DINOSEB	3.00 E	0.75 LB/AC	EP	87	23	87	0
2	NANPA/DN	3.00 E	2.25 LB/AC	MP	96	22	97	0
3A	ACIFLUORFEN	2.00 E	0.38 LB/AC	MP	97	7	97	0
3B	TRITON AG 9R SURFACT	0.0 WA	0.25 %					
4A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	95	22	98	0
4B	TRITON AG 9R SURFACT	0.0 WA	0.25 %					
5	RH-8817	2.00 E	1.00 LB/AC	PRE	80	58	82	0
6	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD	0	0	7	0
7	MC 10108	2.00 EC	0.38 LB/AC	PRE	30	35	43	0
8	MC 10982	2.00 EC	0.38 LB/AC	PRE	17	5	23	0
9	MC 10982	2.00 EC	0.50 LB/AC	PRE	42	15	28	0
10A	MC 10978	2.00 S	0.50 LB/AC	MP	96	33	97	0
10B	SURFACTANT	0.50 WA	0.50 %	MP				
11	MC 10978	2.00 S	0.75 LB/AC	MP	97	18	99	0
12	DPX-4189	50.00 W	0.06 LB/AC	EP	98	99	77	100
13	DPX-4189	50.00 W	0.13 LB/AC	EP	99	99	88	100
14A	DINOSEB	3.00 E	0.75 LB/AC	EP	85	42	62	0
14B	MEFLUIDIDE	2.00 S	0.25 LB/AC	EP				
15A	MEFLUIDIDE	2.00 S	0.13 LB/AC	MP	5	0	63	0
15B	BENTAZON	4.00 E	0.75 LB/AC	MP				
16A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	13	0	0	0
16B	BENTAZON	4.00 E	0.75 LB/AC	MP				
17A	BENTAZON	4.00 E	1.00 LB/AC	LP	18	0	22	0
17B	BAS 9053	1.60 EC	0.25 LB/AC	LP				
18A	BENTAZON	4.00 E	0.25 LB/AC	MP	10	0	0	0
18B	BTS-7903	3.00 E	0.13 LB/AC	MP				
19A	BTS-7903	3.00 F	0.25 LB/AC	MP	27	0	37	0
19B	BENTAZON	4.00 E	0.25 LB/AC	MP				
19C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				

TABLE 20. Poultry Farm Morning Glory (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 1		AUGUST 14	
					ILMG	CRIN	ILMG	CRIN
20A	BTS-7903	3.00 E	0.13 LB/AC	MP	90	2	85	0
20B	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP				
21A	BTS-7903	3.00 E	0.25 LB/AC	MP	70	3	92	0
21B	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP				
22A	NAPTALAM	2.00 EC	1.50 LB/AC	LP	52	53	70	0
22B	SURFACTANT	0.50 WA	0.50 %	LP				
22C	2,4-DB	2.00 E	0.25 LB/AC	LP				
23A	NANPA/DN	3.00 E	1.50 LB/AC	MP	94	40	95	0
23B	2,4-DB	2.00 E	0.19 LB/AC					
24A	NANPA/DN	3.00 E	2.25 LB/AC	LP	97	30	100	0
24B	2,4-DB	2.00 E	0.25 LB/AC					
25A	LINURON	4.00 L	0.75 LB/AC	POD	92	2	99	0
25B	2,4-DB	2.00 E	0.20 LB/AC	POD				
25C	SURFACTANT	0.50 WA	0.50 %	POD				
26A	2,4-DB	2.00 E	0.10 LB/AC	POD	45	0	97	0
26B	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD				
27A	ACIFLUORFEN	2.00 E	0.38 LB/AC	MP	88	13	83	0
27B	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP				
28A	BENTAZON	4.00 E	1.00 LB/AC	MP	22	0	30	0
28B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				

LSD(05): 17 14 34 NS

LOCATION: POULTRY FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 0.0 O.M.: 0.0%

DATE PLANTED: MAY 14 1979

DATE TREATED: MAY 14 1979 PRE

VARIETY: WILLIAMS

JUNE 4 1979 EP

JUNE 8 1979 MP

JUNE 15 1979 LP POD

TABLE 21. Poultry Farm Velvet Leaf.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 19 VELE	AUGUST 14 CRIN	JUNE 25 19 CRIN	AUGUST 14 VELE	AUGUST 14 CRIN
1	DINoseb	3.00 E	0.75 LB/AC	EP	38	8	0	0	
2	CHLORAMBEN	2.00 E	2.00 LB/AC	MP	47	33	0	0	
3	BENTAZON	4.00 E	0.75 LB/AC	EP	85	3	23	0	
4	BENTAZON	4.00 E	1.00 LB/AC	MP	91	0	35	0	
5	BENTAZON	4.00 E	1.00 LB/AC	LP	90	17	75	0	
6	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	90	53	99	0	
7A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	80	0	17	0	
7B	TRITON AG 90 SURFACT	0.0 WA	0.13 %	MP					
8	S-734	75.00 WP	1.00 LB/AC	PRE	15	0	0	0	
9	RH-8817	2.00 E	1.00 LB/AC	PRE	99	62	100	0	
10	NANPA/DN	3.00 E	2.25 LB/AC	EP	10	0	0	0	
11	MC 10108	2.00 EC	0.38 LB/AC	PRE	96	43	59	0	
12	MC 10108	2.00 EC	0.50 LB/AC	PRE	55	18	0	0	
13	MC 10982	2.00 EC	0.38 LB/AC	PRE	85	5	5	0	
14A	MC 10978	2.00 S	0.50 LB/AC	MP	92	55	0	0	
14B	SURFACTANT	0.50 WA	0.50 %	MP					
15	MC 10978	2.00 S	0.75 LB/AC	MP	83	0	30	0	
16	DPX-4189	50.00 W	0.03 LB/AC	EP	100	99	20	100	
17	DPX-4189	50.00 W	0.06 LB/AC	EP	100	99	5	100	
18	DPX-4189	50.00 W	0.13 LB/AC	EP	99	99	70	100	
19A	BENTAZON	4.00 E	0.75 LB/AC	EP	88	91	0	100	
19B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	EP					
20A	BENTAZON	4.00 E	1.00 LB/AC	MP	87	2	55	0	
20B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP					
21A	BENTAZON	4.00 E	1.00 LB/AC	LP	91	2	88	0	
21B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	LP					

TABLE 21. Poultry Farm Velvet Leaf (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 19		AUGUST 14	
					VELE	CRIN	VELE	CRIN
22A	BENTAZON	4.00 E	0.25 LB/AC	MP	35	2	0	0
22B	BTS-7903	3.00 E	0.13 LB/AC	MP				
23A	BTS-7903	3.00 E	0.25 LB/AC	MP	75	0	0	0
23B	BENTAZON	4.00 E	0.25 LB/AC	MP				
23C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				
24A	BTS-7903	3.00 E	0.13 LB/AC	MP	67	0	0	0
24B	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP				
25A	S-734	75.00 WP	1.00 LB/AC	PRE	93	0	97	0
25B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE				
26A	S-734	75.00 WP	1.00 LB/AC	PRE	95	30	98	0
26B	RH-8817	2.00 E	1.00 LB/AC	PRE				
27A	RH-8817	2.00 E	1.00 LB/AC	PRE	93	23	98	0
27B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE				
28A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	82	3	12	0
28B	NANPA/DN	3.00 E	4.50 LB/AC	PRE				
LSD(05):					23	17	25	NS

LOCATION: POULTRY FARM

FERTILIZATION (LB/AC): 60 N, 60 P, 60 K SOIL TYPE: MAURY SILT LOAM

DATE PLANTED: MAY 14 1979

DATE TREATED: MAY 14 1979 PRE

VARIETY: WILLIAMS

JUNE 4 1979 EP

JUNE 8 1979 MP

JUNE 12 1979 LP

TABLE 22. Poultry Farm Night Shade.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 19		AUGUST 14	
					BLNS	CRIN	BLNS	CRIN
1	ALACHLOR	4.00 E	3.00 LB/AC	PRE	0	0	0	0
2	METALACHLOR	8.00 E	3.00 LB/AC	PRE	0	0	0	0
3	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	73	0	68	0
4	DIETHATYL	4.00 E	3.00 LB/AC	PRE	0	0	0	0
5	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	0	0	0	0
6	DINOSER	3.00 E	0.75 LB/AC	MP	97	0	95	0
7	BROMOXNYL	2.00 E	0.13 LB/AC	MP	65	0	62	0
8	CP 55097	5.00 E	2.00 LB/AC	PRE	0	0	0	0
9	BAS 479	1.70 EC	1.50 LB/AC	PRE	0	0	0	0
10	RH-8817	2.00 E	1.00 LB/AC	PRE	0	0	0	0
11	CHLORPROPHAM	4.00 E	3.00 LB/AC	CR	0	0	0	0
12	CHLORPROPHAM	4.00 E	3.00 LB/AC	EP	35	0	32	0
13	MC 10108	2.00 EC	0.38 LB/AC	PRE	0	0	0	0
14A	MC 10978	2.00 S	0.50 LB/AC	MP	38	57	35	0
14B	SURFACTANT	0.50 WA	0.50 %	MP				
15	MC 10978	2.00 S	0.75 LB/AC	MP	65	0	60	0
16	MC 10982	2.00 EC	0.38 LB/AC	PRE	0	0	0	0
17	MC 10982	2.00 EC	0.50 LB/AC	PRE	0	0	0	0
18	MC 7783	2.00 S	2.50 LB/AC	MP	90	0	80	0
19	DPX-4189	50.00 W	0.03 LB/AC	EP	0	98	0	100
20	DPX-4189	50.00 W	0.06 LB/AC	EP	0	98	0	100
21	DPX-4189	50.00 W	0.13 LB/AC	EP	0	98	0	100
22A	MEFLUIDIDE	2.00 S	0.13 LB/AC	EP	0	0	0	0
22B	RENTAZON	4.00 E	0.75 LB/AC	MP				
23A	MEFLUIDIDE	2.00 S	0.25 LB/AC	EP	0	0	0	0
23B	RENTAZON	4.00 F	0.75 LB/AC	EP				

TABLE 22. Poultry Farm Night Shade (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 19 BLNS	19 CRIN	AUGUST 14 BLNS	14 CRIN
24A	MEFLUORFEN	2.00 S	0.25 LB/AC	MP	78	0	65	0
24B	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP				
25A	BENTAZON	4.00 E	0.50 LB/AC	MP	23	0	13	0
25B	ACIFLUORFEN	2.00 E	0.38 LB/AC	MP				
26A	BTS-7903	3.00 E	0.13 LB/AC	MP	12	0	8	0
26B	BENTAZON	4.00 E	0.25 LB/AC	MP				
27A	BTS-7903	3.00 E	0.13 LB/AC	MP	44	0	42	0
27B	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP				
28A	S-734	75.00 WP	1.00 LB/AC	PRE	0	0	0	0
28B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE				
LSD(05):					33	1	31	NS

LOCATION: POULTRY FARM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
 DATE PLANTED: MAY 14 1979
 VARIETY: WILLAITS

SOIL TYPE: MAHRY SILT LOAM
 PH: 0.0 O.M.: 0.0%
 DATE TREATED: JUNE 8 1979 EP
 JUNE 15 1979 MP

TABLE 23. Poultry Farm Burcumber.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 29 19 BUCU	CRIN
1	DINOSER	3.00 E	0.75 LB/AC	EP	53	8
2A	NANPA/DN	3.00 E	2.00 LB/AC	MP	85	58
2B	NANPA/DN	3.00 E	2.00 LB/AC	10D		
3	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE	17	0
4A	MC 10978	2.00 S	0.38 LB/AC	MP	42	12
4B	SURFACTANT	0.50 WA	0.50 %	MP		
5A	MC 10978	2.00 S	0.50 LB/AC	MP	50	15
5B	SURFACTANT	0.50 WA	0.50 %	MP		
6	MC 10978	2.00 S	0.75 LB/AC	MP	40	0
7	DPX-4189	50.00 W	0.03 LB/AC	EP	58	100
8	DPX-4189	50.00 W	0.06 LB/AC	EP	72	100
9	DPX-4189	50.00 W	0.13 LB/AC	EP	81	100
10	BTS-7903	3.00 E	0.13 LB/AC	MP	0	0
11	BTS-7903	3.00 E	0.25 LB/AC	MP	0	3
12	MC 10982	2.00 EC	0.38 LB/AC	PRE	15	12
13	MC 10982	2.00 EC	0.50 LB/AC	PRE	27	23
14	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD	57	3
15A	MEFLUIDIDE	2.00 S	0.13 LB/AC	MP	58	35
15B	BENTAZON	4.00 E	0.75 LB/AC	MP		
16A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	27	57
16B	BENTAZON	4.00 E	0.75 LB/AC	MP		
17A	NAPTALAM	2.00 EC	1.00 LB/AC	LP	0	37
17B	SURFACTANT	0.50 WA	0.50 %	LP		
17C	2,4-DB	2.00 E	0.19 LB/AC	LP		
18A	NAPTALAM	2.00 EC	1.50 LB/AC	LP	0	17
18B	SURFACTANT	0.50 WA	0.50 %	LP		
18C	2,4-DB	2.00 E	0.25 LB/AC	LP		
19A	BENTAZON	4.00 E	0.25 LB/AC	MP	7	5
19B	BTS-7903	3.00 E	0.13 LB/AC	MP		

TABLE 23. Poultry Farm Burcumber (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 29 19 BUCU	CRIN
20A	BTS-7903	3.00 E	0.25 LB/AC	MP	3	3
20B	BENTAZON	4.00 E	0.25 LB/AC	MP		
20C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP		
21A	BTS-7903	3.00 E	0.13 LB/AC	MP	30	0
21B	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP		
22A	BTS-7903	3.00 E	0.25 LB/AC	LP	3	0
22B	ACIFLUORFEN	2.00 EC	0.25 LB/AC	LP		
23A	METRIBUZIN 1	4.00 F	0.38 LB/AC	POD	63	10
23B	2,4-DB	2.00 E	0.20 LB/AC	POD		
24A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	37	0
24B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE		
25A	LINURON	4.00 L	1.00 LB/AC	PRE	8	0
25B	ORYZALIN	4.00 AS	1.25 LB/AC	PRE		
26A	ORYZALIN	4.00 AS	1.25 LB/AC	PRE	10	0
26B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE		
27A	LINURON	4.00 L	0.75 LB/AC	POD	75	0
27B	2,4-DB	2.00 E	0.20 LB/AC	POD		
28A	BENTAZON	4.00 E	0.75 LB/AC	EP	50	12
28B	DINOSORB	3.00 E	0.75 LB/AC	EP		

LSD(05): 14 17

LOCATION: POULTRY FARM

SOIL TYPE: MAURY SILT LOAM

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

PH: 0.0 O.M.: 0.0%

DATE PLANTED: MAY 14 1979

DATE TREATED: MAY 14 1979 PRE

VARIETY: WILLIAMS

JUNE 4 1979 EP

JUNE 8 1979 MP

JUNE 12 1979 LP

JUNE 15 1979 POD

TABLE 24. Poultry Farm Wild Cane.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 1		AUGUST 13	
					SHCA	CRIN	SHCA	CRIN
1	ALACHLOR	4.00 E	3.00 LB/AC	PPI	83	0	67	0
2	METALACHLOR	8.00 E	3.00 LB/AC	PPI	88	0	93	0
3	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	96	0	63	0
4	PENDIMETHALIN	4.00 E	2.00 LB/AC	PPI	97	13	97	0
5	AC 206784	5.50 E	4.00 LB/AC	PPI	13	0	0	0
6	S-734	75.00 WP	0.75 LB/AC	PPI	95	0	97	0
7	S-734	75.00 WP	1.00 LB/AC	PPI	87	0	60	0
8	FLUCLORALIN	4.00 E	1.00 LB/AC	PPI	52	0	0	0
9	PROFLURALIN	4.00 E	1.00 LB/AC	PPI	87	0	60	0
10	CP 55097	5.00 E	2.00 LB/AC	PPI	22	0	23	0
11A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	63	3	63	0
11B	VERNOLATE	7.00 E	1.75 LB/AC	PPI				
LSD(05):					39	NS	NS	NS

LOCATION: POULTRY FARM SOIL TYPE: MAURY SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 0.0 O.M.: 0.0%
 DATE PLANTED: MAY 14 1979 DATE TREATED: MAY 14 1979 PPI
 VARIETY: WILLIAMS

TABLE 25. Poultry Farm Wild Cane.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 25 1		AUGUST 13	
					SHCA	CRIN	SHCA	CRIN
1	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	0	0	0	0
2	ORYZALIN	75.00 WP	1.50 LB/AC	PRE	27	0	0	0
3	BAS 479	1.70 EC	0.75 LB/AC	PRE	3	7	23	0
4	BAS 479	1.70 EC	1.50 LB/AC	PRE	30	0	27	0
5	EL-5219	3.00 EC	0.94 LB/AC	PRE	45	0	45	0
6	EL-5219	3.00 EC	1.88 LB/AC	PRF	0	0	17	0
7	MEFLUIDIDE	2.00 S	0.13 LB/AC	EP	60	3	0	0
8	MEFLUIDIDE	2.00 S	0.25 LB/AC	EP	58	10	33	0
9A	MEFLUIDIDE	2.00 S	0.13 LB/AC	EP	28	2	25	0
9B	MEFLUIDIDE	2.00 S	0.13 LB/AC	LP				
10A	MEFLUIDIDE	2.00 S	0.13 LB/AC	EP	63	3	33	0
10B	MEFLUIDIDE	2.00 S	0.25 LB/AC	LP				
11A	MEFLUIDIDE	2.00 S	0.25 LB/AC	EP	43	12	30	0
11B	MEFLUIDIDE	2.00 S	0.13 LB/AC	LP				
12A	MEFLUIDIDE	2.00 S	0.25 LB/AC	EP	70	10	30	0
12B	MEFLUIDIDE	2.00 S	0.25 LB/AC	LP				
13A	BAS 9052	1.53 EC	0.25 LB/AC	EP	88	2	67	0
13B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC					
14A	BAS 9052	1.53 EC	0.50 LB/AC	EP	95	0	97	0
14B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC					
15A	BAS 9052	1.53 EC	0.25 LB/AC	MP	0	0	0	0
15B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC					
16A	BAS 9052	1.53 EC	0.50 LB/AC	MP	0	0	0	0
16B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC					
17A	BAS-9021	75.00 WP	1.50 LB/AC	MP	0	0	0	0
17B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC					
LSD(05):					44	8	50	NS

TABLE 25. Poultry Farm Wild Cane (cont.)

LOCATION: POULTRY FARM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K
DATE PLANTED: MAY 14 1979
VARIETY: WILLIAMS
SOIL TYPE: MAURY SILT LOAM
PH: 0.0 O.M.: 0.0%
DATE TREATED: MAY 14 1979 PRE
JUNE 15 1979 EP
JULY 2 1979

TABLE 26. Poultry Farm Giant Ragweed.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	DJUNE 25		AUGUST 13	
					GIRW	CRIN	GIRW	CRIN
1	DINOSER	3.00 E	0.75 LB/AC	EP	27	18	0	0
2	NANPA/DN	3.00 E	2.25 LB/AC	MP	97	13	93	0
3	NANPA/DN	3.00 E	3.00 LB/AC	LP	90	10	96	0
4	2,4-DB	2.00 E	0.10 LB/AC	LP	65	32	98	0
5	RH-8817	2.00 E	1.00 LB/AC	PRE	74	30	33	0
6	DPX-4189	50.00 W	0.03 LB/AC	EP	10	99	0	33
7	DPX-4189	50.00 W	0.06 LB/AC	EP	10	98	0	67
8	DPX-4189	50.00 W	0.13 LB/AC	EP	30	100	0	67
9	MC 10108	2.00 EC	0.38 LB/AC	PRE	37	8	0	0
10	MC 10982	2.00 EC	0.38 LB/AC	PRE	0	0	0	0
11	MC 10982	2.00 EC	0.50 LB/AC	PRE	75	20	0	0
12A	MC 10978	2.00 S	0.50 LB/AC	MP	85	7	47	0
12B	SURFACTANT	0.50 WA	0.50 %	MP				
13	MC 10978	2.00 S	0.75 LB/AC	MP	92	0	96	0
14A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	77	5	65	0
14B	TRITON AG 98 SURFACT	0.0 WA	0.13 %	MP				
15A	BENTAZON	4.00 E	0.75 LB/AC	MP	67	0	30	0
15B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				
16A	BENTAZON	4.00 E	1.00 LB/AC	MP	83	0	95	0
16B	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				
17A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	67	0	27	0
17B	BENTAZON	4.00 E	0.75 LB/AC	MP				
18A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	77	0	18	0
18B	BENTAZON	4.00 E	0.50 LB/AC	MP				
19A	BENTAZON	4.00 E	0.25 LB/AC	MP	33	0	32	0
19B	BTS-7903	3.00 E	0.13 LB/AC	MP				
20A	BTS-7903	3.00 E	0.25 LB/AC	MP	48	2	32	0
20B	BENTAZON	4.00 E	0.25 LB/AC	MP				
20C	OIL CONCENTRATE	0.0 AD	1.00 QT/AC	MP				

TABLE 26. Poultry Farm Giant Ragweed (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	DJUNE 25		AUGUST 13	
					GIRW	CRIN	GIRW	CRIN
21A	BTS-7903	3.00 E	0.25 LB/AC	LP	82	0	97	0
21B	BENTAZON	4.00 E	0.50 LB/AC	LP				
22A	NAPTALAM	2.00 EC	1.00 LB/AC	LP	68	45	100	0
22B	SURFACTANT	0.50 WA	0.50 %	LP				
22C	2,4-DB	2.00 E	0.19 LB/AC	LP				
23A	NAPTALAM	2.00 EC	1.50 LB/AC	LP	0	0	100	0
23B	SURFACTANT	0.50 WA	0.50 %	LP				
23C	2,4-DB	2.00 E	0.25 LB/AC	LP				
24A	NANPA/DN	3.00 E	1.50 LB/AC	MP	94	17	91	0
24B	2,4-DB	2.00 E	0.19 LB/AC					
25A	NANPA/DN	3.00 E	2.25 LB/AC	LP	87	15	100	0
25B	2,4-DB	2.00 E	0.25 LB/AC					
26A	MEFLUIDIDE	2.00 S	0.25 LB/AC	EP	70	10	58	0
26B	ACIFLUORFEN	2.00 LCS	0.38 LB/AC	EP				
27A	MEFLUIDIDE	2.00 S	0.25 LB/AC	MP	87	25	95	0
27B	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP				
28A	S-734	75.00 WP	0.75 LB/AC	PRE	0	0	0	0
28B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE				
LSD(05):					20	12	38	29

LOCATION: POULTRY FARM

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

DATE PLANTED: MAY 14 1979

VARIETY: WILLIAMS

SOIL TYPE: MAURY SILT LOAM

PH: 0.0 O.M.: 0.0%

DATE TREATED: MAY 14 1979 PRE

JUNE 6 1979 EP

JUNE 8 1979 MP

JUNE 15 1979 LP P00

TABLE 27. Poultry Farm Soybean Preemergence.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- JUNE 29 1979 -----						----- JULY 30 1979 -----				
					GRAS	BRLE	CRIN	ILMG	JIWE	GIFT	GRAS	BRLE	CRIN	ILMG	JIWE
1A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	99	79	22	84	100	99	100	85	0	33	100
1B	DINOSEB	3.00 E	1.13 LB/AC	PRE											
1C	DINOSEB	3.00 E	0.75 LB/AC	MP											
2A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	91	72	41	65	100	95	90	52	0	25	88
2B	DINOSEB	3.00 E	1.50 LB/AC	PRE											
2C	DINOSEB	3.00 E	0.75 LB/AC	MP											
3A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	85	90	44	68	100	74	98	69	0	5	69
3B	DINOSEB	3.00 E	2.25 LB/AC	PRE											
3C	DINOSEB	3.00 E	0.75 LB/AC	MP											
4A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	81	78	28	85	100	85	68	60	0	19	75
4B	DINOSEB	3.00 E	0.75 LB/AC	4D											
4C	DINOSEB	3.00 E	0.75 LB/AC	MP											
5A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	85	20	2	0	100	62	100	60	0	22	100
5B	DINOSEB	3.00 E	0.75 LB/AC	CR											
5C	DINOSEB	3.00 E	0.75 LB/AC	MP											
6A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	99	82	32	71	100	99	100	68	0	23	100
6B	NANPA/DN	3.00 E	4.50 LB/AC	PRE											
6C	NANPA/DN	3.00 E	1.50 LB/AC	MP											
7A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	98	84	5	75	100	75	100	86	0	41	100
7B	NANPA/DN	3.00 E	4.50 LB/AC	4D											
7C	NANPA/DN	3.00 E	1.50 LB/AC	MP											
8A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	88	20	8	0	100	92	100	58	0	17	75
8B	NANPA/DN	3.00 E	4.50 LB/AC	CR											
8C	NANPA/DN	3.00 E	1.50 LB/AC	MP											
9A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	99	50	11	65	100	99	100	89	0	31	100
9B	BENTAZON	4.00 E	0.50 LB/AC	MP											
9C	DINOSER	3.00 E	0.38 LB/AC	MP											
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	98	69	0	89	100	100	100	79	0	32	100
10B	BENTAZON	4.00 E	0.50 LB/AC	LP											
10C	DINOSER	3.00 E	0.38 LB/AC	LP											
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	87	61	19	52	100	99	81	65	0	25	75
11B	BENTAZON	4.00 E	0.38 LB/AC	MP											
11C	DINOSER	3.00 E	0.38 LB/AC	MP											
12A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	97	90	4	89	100	98	99	72	0	23	80
12B	BENTAZON	4.00 E	0.38 LB/AC	LP											
12C	DINOSER	3.00 E	0.38 LB/AC	LP											

TABLE 27. Poultry Farm Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- JUNE 29 1979 -----						----- JULY 30 1979 -----				
					GRAS	BRLE	CRIN	ILMG	JIWE	GIFI	GRAS	BRLE	CRIN	ILMG	JIWE
13A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	84	34	14	66	100	96	72	65	0	24	72
13B	BENTAZON	4.00 E	0.25 LB/AC	MP											
13C	DINOSER	3.00 E	0.38 LB/AC	MP											
14A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	91	58	6	40	100	96	100	72	0	31	100
14B	BENTAZON	4.00 E	0.25 LB/AC	LP											
14C	DINOSER	3.00 E	0.38 LB/AC	LP											
15A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	98	48	14	58	100	99	100	65	0	31	75
15B	BENTAZON	4.00 E	0.13 LB/AC	MP											
15C	DINOSER	3.00 E	0.38 LB/AC	MP											
16A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	99	64	2	66	100	98	100	85	0	28	100
16B	BENTAZON	4.00 E	0.13 LB/AC	LP											
16C	DINOSER	3.00 E	0.38 LB/AC	LP											
17A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	99	10	0	0	100	98	100	41	0	16	98
17B	BENTAZON	4.00 E	0.50 LB/AC	MP											
18A	ALACHLOR	4.00 E	2.00 LB/AC	PRF	88	40	8	15	100	68	98	55	0	15	100
18B	BENTAZON	4.00 E	0.50 LB/AC	LP											
19A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	87	35	0	25	100	98	75	78	0	19	72
19B	DINOSER	3.00 E	0.38 LB/AC	MP											
20A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	89	66	2	73	100	87	100	61	0	28	100
20B	DINOSER	3.00 E	0.38 LB/AC	LP											
21	ORYFLUORFEN	2.00 E	0.25 LB/AC	PRE	98	50	16	29	100	91	100	61	0	22	100
22	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE	94	74	68	84	100	96	94	74	0	18	98
23	RH-8817	2.00 E	0.50 LB/AC	PRE	92	71	22	68	100	99	88	70	0	29	75
24	RH-8817	2.00 E	0.75 LB/AC	PRE	98	75	60	95	100	98	100	92	0	45	100
25	RH-8817	2.00 E	1.00 LB/AC	PRE	99	88	48	97	99	98	100	97	0	49	100
26	RH 8254	2.00 E	0.50 LB/AC	PRE	98	45	11	40	100	99	100	46	0	12	100
27	RH 8254	2.00 E	0.75 LB/AC	PRE	99	54	42	80	100	98	100	75	0	29	100
28	RH 8254	2.00 E	1.00 LB/AC	PRE	98	84	42	84	100	99	98	85	6	46	98
29A	ORYFLUORFEN	2.00 E	0.25 LB/AC	PRE	97	39	44	49	100	98	99	50	0	36	100
29B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											

TABLE 27. Poultry Farm Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- JUNE 29 1979 -----						----- JULY 30 1979 -----				
					GRAS	BRLE	CRIN	ILMG	JIWE	QIFI	GRAS	BRLE	CRIN	ILMG	JIWE
30A	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE	99	66	46	36	100	100	100	88	0	26	100
30B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
31A	RH-8817	2.00 E	0.50 LB/AC	PRE	98	84	30	74	99	73	100	71	0	28	100
31B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
32A	RH-8817	2.00 E	0.75 LB/AC	PRE	99	91	59	92	100	99	100	89	0	44	100
32B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
33A	RH-8817	2.00 E	1.00 LB/AC	PRE	99	84	46	95	100	100	98	87	0	46	85
33B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
34A	RH 8254	2.00 E	0.50 LB/AC	PRE	98	45	22	25	100	98	100	60	2	15	100
34B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
35A	RH 8254	2.00 E	0.75 LB/AC	PRE	98	76	28	85	100	96	100	82	0	42	100
35B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
36	ACIFLUORFEN	2.00 E	2.00 LB/AC	PRE	99	30	0	32	100	98	100	78	0	35	92
37A	ACIFLUORFEN	2.00 E	2.00 LB/AC	PRE	100	76	8	72	100	99	100	84	0	31	100
37B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
38A	METRIBUZIN 1	50.00 WP	0.50 LB/AC	PRE	57	2	5	0	100	65	50	22	0	9	28
38B	ALACHLOR	4.00 F	2.00 LB/AC	PRE											
39A	BIFENOX	4.00 F	2.00 LB/AC	PRE	99	30	10	5	75	99	100	60	0	19	100
39B	ALACHLOR	4.00 E	2.00 LB/AC	PRE											
40	BIFENOX	4.00 F	2.00 LB/AC	PRE	74	26	22	8	75	88	100	28	0	6	62
41	RH-5781	2.00 EC	0.25 LB/AC	MP	78	40	1	68	100	28	91	77	0	26	100
42	RH-5781	2.00 EC	0.50 LB/AC	MP	74	18	20	100	100	92	72	69	0	31	75
43	RH-5781	2.00 EC	0.75 LB/AC	MP	94	65	34	95	100	96	95	60	8	49	100
44	RH 8254	2.00 E	0.13 LB/AC	MP	12	2	6	0	75	25	25	38	0	10	75
45	RH 8254	2.00 E	0.25 LB/AC	MP	1	51	16	56	100	0	0	22	0	14	100
46	RH 8254	2.00 E	0.50 LB/AC	MP	2	92	4	96	100	25	0	91	0	45	100
47A	ACIFLUORFEN	2.00 E	0.25 LB/AC	MP	41	52	10	96	100	75	10	88	0	45	100
47B	RH-8817	2.00 E	0.06 LB/AC	MP											
48A	ACIFLUORFEN	2.00 E	0.38 LB/AC	MP	97	59	5	96	100	96	100	90	0	46	100
48B	TRITON AG 98 SURFACT	0.0 WA	0.25 %	MP											

TABLE 27. Poultry Farm Soybean Preemergence (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	JUNE 29 1979						JULY 30 1979				
					GRAS	BRLE	CRIN	ILMG	JIWE	GIFT	GRAS	BRLE	CRIN	ILMG	JIWE
49A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	89	60	12	94	99	79	99	70	0	38	100
49B	TRITON AG 9R SURFACT	0.0 WA	0.25 %	MP											
50A	ACIFLUORFEN	2.00 E	0.75 LB/AC	MP	91	39	6	99	100	74	98	62	0	46	75
50B	TRITON AG 9R SURFACT	0.0 WA	0.25 %	MP											
51A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	76	72	19	66	100	88	75	78	0	36	75
51B	AMMONIUM SULFATE	4.00 E	1.00 LB/AC	MP											
52A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	39	30	1	74	100	50	74	61	0	37	100
52B	AMMONIUM SULFATE	4.00 E	2.00 LB/AC	MP											
53A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	59	24	2	73	75	60	68	65	0	32	72
53B	AMMONIUM SULFATE	4.00 E	1.00 LB/AC	MP											
53C	TRITON AG 9R SURFACT	0.0 WA	0.13 %	MP											
54A	ACIFLUORFEN	2.00 E	0.50 LB/AC	MP	83	72	10	96	100	96	94	85	0	41	100
54B	AMMONIUM SULFATE	4.00 E	2.00 LB/AC	MP											
54C	TRITON AG 9R SURFACT	0.0 WA	0.13 %	MP											
55	DIETHATYL A	4.00 E	2.50 LB/AC	PRE	73	0	1	0	38	80	81	18	0	6	25
56	DIETHATYL B	4.00 E	2.50 LB/AC	PRE	67	0	0	0	25	90	70	5	0	5	20
57	CP 55097	5.00 E	2.50 LB/AC	PRE	87	8	1	0	100	75	100	30	0	10	100
58A	CP 55097	5.00 E	2.00 LB/AC	PRE	66	4	0	0	75	50	100	45	0	15	75
58B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE											
59A	CP 55097	5.00 E	2.00 LB/AC	PRE	99	82	80	96	100	99	100	96	0	46	70
59B	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE											
60	CHECK (UNCULTIVATED)	0.0 CK	0.0		25	0	0	0	25	25	50	0	0	0	0
			LSD(05):		26	24	24	35	24	38	30	32	NS	38	38

LOCATION: POULTRY FARM SOIL TYPE: HUNTINGTON SILT LOAM
 FERTILIZATION (LB/AC): 60 N, 60 P, 60 K PH: 0.0 O.M.: 0.0%
 DATE PLANTED: MAY 14 1979 DATE TREATED: MAY 15 1979 PRE
 VARIETY: WILLIAMS MAY 18 1979 4D
 JUNE 8 1979 MP

JUNE15 1979 LP

TABLE 28. Poultry Farm Preplant Incorporate.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	----- JUNE 29 1979 -----						----- JULY 30 1979 -----				
					GRAS	BRLE	CRIN	JIWE	ILMG	GIEI	GRAS	BRLE	CRIN	JIWE	ILMG
1A	TRIFLURALIN	4.00 E	0.50 LB/AC	PPI	29	36	1	50	42	49	24	34	0	25	24
1B	DINoseb	3.00 E	0.75 LB/AC	EP											
2A	TRIFLURALIN	4.00 E	0.50 LB/AC	PPI	46	75	11	99	68	72	25	75	0	42	74
2B	NANPA/DN	3.00 E	1.50 LB/AC	EP											
3A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	74	54	4	72	66	75	68	42	0	22	45
3B	CHLORPROPHAM	4.00 E	3.00 LB/AC	CR											
4A	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	93	54	11	88	38	100	92	46	0	36	42
4B	CHLORPROPHAM	4.00 E	3.00 LB/AC	EP											
5A	S-734	75.00 WP	0.75 LB/AC	PPI	48	25	4	25	24	50	48	24	0	12	24
5B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI											
6A	S-734	75.00 WP	0.75 LB/AC	PPI	96	59	10	94	24	100	96	49	0	36	28
6B	METRIBUZIN 1	4.00 F	0.25 LB/AC	PPI											
7	DRYFLUORFEN	2.00 E	0.50 LB/AC	PPI	56	35	4	72	29	98	32	15	0	0	46
8	DRYFLUORFEN	2.00 E	0.75 LB/AC	PPI	56	0	1	0	0	75	50	5	0	0	0
9	DRYFLUORFEN	2.00 E	1.00 LB/AC	PPI	69	25	15	60	22	94	50	16	0	12	12
10A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	84	36	1	38	15	75	95	21	0	15	28
10B	DRYFLUORFEN	2.00 E	0.50 LB/AC	PPI											
11A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	54	11	2	25	0	75	60	12	0	6	10
11B	DRYFLUORFEN	2.00 E	0.75 LB/AC	PPI											
12A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	87	59	6	74	24	100	86	48	0	27	35
12B	DRYFLUORFEN	2.00 E	1.00 LB/AC	PPI											
13A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	78	44	2	60	12	100	70	45	0	31	36
13B	DRYFLUORFEN	2.00 E	0.50 LB/AC	PPI											
14A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	77	38	1	74	24	99	70	51	0	34	34
14B	DRYFLUORFEN	2.00 E	0.75 LB/AC	PPI											
15A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	94	49	8	92	32	75	94	50	0	22	29
15B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI											
16A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	61	50	8	72	72	100	49	40	0	26	0
16B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PPI											
17	CHECK (UNCULTIVATED)	0.0 CK	0.0		96	42	5	50	31	100	95	42	0	25	41
			LSD(05):		NS	NS	NS	NS	NS	NS	50	NS	NS	NS	NS

TABLE 28. Poultry Farm Preplant Incorporate (cont.)

LOCATION: POULTRY FARM	SOIL TYPE: HUNTINGTON SILT LOAM
FERTILIZATION (LB/AC): 60 N, 60 P, 60 K	PH: 0.0 O.M.: 0.0%
DATE PLANTED: MAY 14 1979	DATE TREATED: MAY 14 1979 PPI
VARIETY: WILLIAMS	JUNE 8 1979 EP

TABLE 29. Burley Tobacco.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----				
					GRAS	BRLE	CRIN	GIFT	RRPW
1	PEBULATE	6.00 E	4.00 LB/AC	PPI	87	90	0	87	90
2	BENEFIN	1.50 E	1.50 LB/AC	PPI	87	87	0	87	87
3	ISOPROPALIN	6.00 E	1.50 LB/AC	PPI	77	80	0	77	80
4	DIPHENAMID	50.00 WP	6.00 LB/AC	PPI	90	90	0	90	90
5	DIPHENAMID	50.00 WP	6.00 LB/AC	POT	93	83	0	93	83
6	DIPHENAMID	50.00 WP	6.00 LB/AC	LBY	90	90	0	90	90
7	METALACHLOR	8.00 E	1.50 LB/AC	PPI	90	87	0	90	87
8	METALACHLOR	8.00 E	2.00 LB/AC	PPI	93	83	0	93	83
9	METALACHLOR	8.00 E	2.50 LB/AC	PPI	87	90	0	87	90
10	METALACHLOR	8.00 E	1.50 LB/AC	PRE	83	80	0	83	80
11	METALACHLOR	8.00 E	2.00 LB/AC	PRE	90	67	0	90	67
12	METALACHLOR	8.00 E	2.50 LB/AC	PRE	90	77	0	90	77
13	METALACHLOR	8.00 E	1.50 LB/AC	LBY	90	90	0	90	90
14	METALACHLOR	8.00 E	3.00 LB/AC	LBY	90	90	0	90	90
15	METALACHLOR	8.00 E	6.00 LB/AC	LBY	90	90	0	90	90
16A	METALACHLOR	8.00 E	1.50 LB/AC	POT	90	83	0	90	83
16B	METALACHLOR	8.00 E	1.50 LB/AC	LBY					
17A	METALACHLOR	8.00 E	1.50 LB/AC	POT	90	90	0	90	90
17B	DIPHENAMID	50.00 WP	6.00 LB/AC	POT					
18A	METALACHLOR	8.00 E	2.00 LB/AC	POT	90	87	0	90	87
18B	DIPHENAMID	50.00 WP	6.00 LB/AC	POT					
19A	METALACHLOR	8.00 F	1.50 LB/AC	LBY	90	90	0	90	90
19B	DIPHENAMID	50.00 WP	6.00 LB/AC	LBY					
20	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	83	87	0	83	87
21A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PPI	83	90	0	83	90
21B	BIFENOX	4.00 F	1.50 LB/AC	PPI					

TABLE 29. Burley Tobacco (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----				
					GRAS	BRLE	CRIN	GIFI	RRPW
22A	PENDIMETHALIN	4.00 F	1.00 LB/AC	PPI	87	90	0	87	90
22B	PEBULATE	6.00 E	2.50 LB/AC	PPI					
23A	PEBULATE	6.00 E	4.00 LB/AC	PPI	93	90	0	93	90
23B	NAPROPAMIDE	2.00 E	2.00 LB/AC	PPI					
24	AC 206784	5.50 E	4.00 LB/AC	PPI	87	73	0	87	77
25A	AC 206784	5.50 E	4.00 LB/AC	PPI	93	83	0	93	83
25B	PEBULATE	6.00 E	2.50 LB/AC	PPI					
26A	AC 206784	5.50 E	4.00 LB/AC	PPI	87	87	0	87	87
26B	BIFENOX	4.00 F	2.00 LB/AC						
27	S-734	75.00 WP	0.50 LB/AC	PPI	90	70	0	63	73
28	S-734	75.00 WP	0.75 LB/AC	PPI	90	80	0	90	80
29	S-734	75.00 WP	1.00 LB/AC	PPI	90	77	0	90	77
30A	S-734	75.00 WP	0.50 LB/AC	PPI	90	83	0	90	83
30B	BIFENOX	4.00 F	1.50 LB/AC	PPI					
31A	S-734	75.00 WP	0.75 LB/AC	PPI	93	90	0	93	90
31B	BIFENOX	4.00 F	1.50 LB/AC	PPI					
32A	S-734	75.00 WP	1.00 LB/AC	PPI	90	93	0	90	93
32B	BIFENOX	4.00 F	1.50 LB/AC	PPI					
33	BIFENOX	4.00 F	1.50 LB/AC	PPI	57	73	0	57	73
34	BIFENOX	80.00 WP	1.60 LB/AC	PPI	70	83	0	70	83
35A	BIFENOX	80.00 WP	1.50 LB/AC	PPI	93	87	0	93	87
35B	PEBULATE	6.00 E	4.00 LB/AC	PPI					
36A	BIFENOX	4.00 F	1.50 LB/AC	PPI	87	93	0	87	93
36B	DIPHENAMID	90.00 W	6.00 LB/AC	PPI					
37A	BIFENOX	4.00 F	1.50 LB/AC	PPI	80	87	0	80	87
37B	BENEFIN	2.50 GR	1.50 LB/AC	PPI					
38A	BIFENOX	4.00 F	1.50 LB/AC	PPI	80	90	0	80	90
38B	ISOPROPALIN	6.00 E	1.50 LB/AC	PPI					
39A	BIFENOX	4.00 F	1.50 LB/AC	POT	90	90	0	90	90
39B	DIPHENAMID	50.00 WP	6.00 LB/AC	POT					

TABLE 29. Burley Tobacco (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-----JULY 6 1979 -----				
					GRAS	BRLE	CRIN	GIFT	RRPW
40	NC 20484	4.00 E	1.00 LB/AC	PRE	90	80	0	90	80
41	NC 20484	4.00 E	2.00 LB/AC	PRE	90	83	0	90	83
42	NC 20484	4.00 E	4.00 LB/AC	PRE	90	87	0	90	87
43	NC 20484	4.00 E	1.00 LB/AC	POT	87	83	0	87	83
44	NC 20484	4.00 E	2.00 LB/AC	POT	90	90	0	90	90
45	NC-8438	1.50 EC	2.00 LB/AC	POT	90	87	0	90	87
46	ALACHLOR	4.00 E	2.50 LB/AC	PRE	90	80	0	90	80
47	ALACHLOR	4.00 E	2.50 LB/AC	PPI	90	87	0	90	87
48	CHECK (CULTIVATED)	0.0 CK	0.0		100	100	0	100	100
LSD(05):					7	9	0	18	9

LOCATION: SPINDLETOP FARM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K
 DATE PLANTED: MAY 5 1979
 VARIETY: KY

SOIL TYPE: MAURY SILT LOAM
 PH: 0.0 O.M.: 0.0%
 DATE TREATED: MAY 5 1979 PPI POT
 JUNE 11 1979 LBY

TABLE 30. Herbicide Species Screening Study.

SPECIES SCREENING STUDY					ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEA	GIANT FOXTAIL	FALL PANICUM	JOHNSONCRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEEED	JIMSONWEED	VELVET LEAF	COCKLEBUR	SORGHUM	SHATTERCANE	CORN
TRT	CHEMICAL	METH	FORM	RATE																			
1.	NC 22444	PPI	50W	2.00	45	100	45	40	95	75	60	60	35	25	95	85	10	10	65	75	45	50	45
2.	NC 20484	PPI	3.2	4.00	95	95	25	30	60	95	95	100	100	80	100	100	100	85	20	20	100	20	100
3.	S 734	PPI	75W	0.75	0	45	0	0	85	100	100	95	0	0	0	0	0	65	45	0	80	65	45
4.	NC 22444	PRE	50W	1.00	0	70	60	0	60	50	50	40	30	20	90	60	60	75	70	40	0	0	0
5.	NC 22444	PRE	50W	2.00	85	100	80	25	70	65	75	55	45	50	100	60	60	95	45	50	45	50	40
6.	BAS 479	PRE	1.7E	0.75	85	35	0	0	65	100	100	95	95	50	100	75	100	100	85	0	85	90	10
7.	BAS 479	PRE	1.7E	1.50	95	90	25	25	70	100	100	100	100	100	100	85	100	100	100	50	100	100	60
8.	RE 28269	PRE	4 E	1.00	40	0	0	0	25	100	100	90	0	30	20	0	100	60	0	0	25	80	0
9.	RE 28269	PRE	4 E	2.00	70	40	10	0	75	100	100	95	50	40	95	0	100	100	35	10	80	90	0
10.	RE 28479	PRE	3 E	1.00	0	0	0	0	0	60	55	10	10	0	0	0	0	20	0	0	0	0	0
11.	RE 28479	PRE	3 E	2.00	0	0	0	0	60	100	95	50	0	0	0	0	0	10	0	0	20	65	0
12.	RE 30562	PRE	3 E	1.00	40	20	0	0	85	100	100	90	70	40	90	0	100	100	65	10	60	85	45
13.	RE 30562	PRE	3 E	2.00	85	85	30	25	35	100	100	100	90	70	100	25	100	100	90	60	100	95	80
14.	RE 30295	PRE	4 E	1.00	40	20	0	0	75	100	100	95	60	30	100	0	50	50	35	10	40	85	0
15.	RE 30295	PRE	4 E	2.00	85	35	10	0	20	100	100	100	90	75	95	25	100	100	65	20	90	100	20
16.	NC 20484	PRE	3.2E	2.00	100	90	35	50	50	100	100	100	100	85	100	100	100	100	80	20	85	100	50
17.	NC 20484	PRE	3.2E	4.00	100	100	25	80	70	100	40	100	100	85	100	100	100	100	100	20	100	100	95
18.	DPX 4189	PRE	80%	0.03	100	0	85	95	80	80	90	85	60	95	20	100	100	100	100	60	95	60	90
19.	DPX 4189	PRE	80%	0.06	100	0	100	95	45	90	100	90	95	100	25	100	100	100	100	90	100	75	100
20.	CP 55097	PRE	5 E	2.00	75	80	30	0	90	100	100	100	95	65	100	50	100	100	80	30	85	90	0
21.	CP 55097	PRE	5 E	3.00	95	100	60	10	100	100	10	90	100	85	100	70	100	100	95	45	100	100	10
22.	AAtrrex	PRE	4 L	1.50	100	100	100	100	35	100	100	10	100	50	100	100	50	100	100	80	10	0	0
23.	Lasso	PRE	4 E	2.00	25	0	0	0	95	100	85	90	70	55	80	0	100	95	50	10	70	95	10

TABLE 30. Herbicide Species Screening Study (cont.)

SPECIES SCREENING STUDY						ALFALFA	OATS	SNAPBEANS	SOYBEANS	PEAS	GIANT FOXTAIL	FALL PANICUM	JOHNSONGRASS	SPINY SIDA	COTTON	CUCUMBER	MORNINGGLORY	PIGWEEED	JIMSONWEED	VELVET LEAF	COCKLEBUR	SORGHUM	SHATTERCANE	CORN
TRT	CHEMICAL	METH	FORM	RATE																				
24.	Metribuzin	PRE	4 S	0.05	95	80	50	0	55	70	100	65	85	85	100	0	100	100	100	100	35	25	20	25
25.	R-40244	PRE	2 E	1.00	100	0	40	70	80	100	95	100	100	10	100	95	100	100	100	100	65	10	80	10
26.	RH 8254	PRE	2 E	1.00	95	0	70	0	45	50	95	95	100	40	100	95	100	100	100	100	25	35	80	45
27.	MC 10982	PRE	2 E	0.50	100	0	10	0	20	100	95	95	95	45	50	80	90	100	100	100	35	30	60	0
28.	MC 10108	PRE	2 E	0.50	100	0	10	0	40	95	95	90	100	25	85	85	100	100	100	100	35	20	60	10
29.	PPG 378	PRE	2 E	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.	PPG 225	PRE	3 E	2.0	100	0	20	30	95	95	100	70	90	75	100	100	100	100	100	100	20	0	35	10
31.	NC 22444	EP	50 W	0.75	0	0	20	0	0	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0
32.	BAS 9052	POST	1.53 EC	0.50	0	10	0	0	0	100	100	100	100	100	0	0	0	0	0	0	0	100	100	100
33.	BAS 9053	POST	1.6 EC	0.50	0	10	0	0	0	100	90	90	90	100	0	0	0	0	0	0	0	100	100	100
34.	Basagran			0.75	0	10	0	0	0	100	100	90	100	100	0	0	0	100	100	100	100	100	90	60
	BAS 9052	POST	4 E	0.50																				
35.	RH 5781	EP	2 E	0.38	0	0	0	0	50	60	0	0	0	100	100	90	100	100	70	90	20	10	0	0
36.	AFX 1080	POST	2 E	0.125	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0
37.	AFX 1080	POST	2 E	0.25	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0
38.	BTS 7903	POST	3 E	0.25	0	0	0	0	0	0	0	0	0	90	0	0	100	100	0	0	0	0	0	80
39.	DPX 4065	POST	8 WP	1.00	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
40.	Basagran	POST	4 E	0.75	0	0	0	0	0	0	0	0	0	90	0	0	100	100	0	0	0	0	0	0
41.	MC 10978	POST	2 E	0.38	0	0	0	0	30	0	0	0	0	90	100	80	90	0	0	0	0	0	0	20
42.	Blazer	POST	2 L	0.38	20	0	0	0	50	0	0	30	0	90	100	80	100	100	50	60	50	20	0	0

TABLE 31. Corn Preemergence Princeton.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 16	
					GIFI	RRPW
1	ATRAZINE	4.00 L	2.00 LB/AC	PRE	55	93
2	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	100	99
3A	ATRAZINE	4.00 L	1.00 LB/AC	PRE	98	97
3B	SIMAZINE	4.00 L	2.00 LB/AC	PRE		
4A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	85	100
4B	ATRAZINE	4.00 L	1.50 LB/AC	PRE		
5A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	75	92
5B	ALACHLOR	4.00 E	2.00 LB/AC	PRE		
6A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	100
6B	SIMAZINE	4.00 L	1.60 LB/AC	PRE		
7A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	67	67
7B	CYANAZINE	4.00 L	2.00 LB/AC	PRE		
8A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	100	100
8B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
9A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	87	98
9B	DICAMBA	4.00 S	0.50 LB/AC	PRE		
10A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	89	100
10B	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE		
11A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	95	92
11B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
11C	METRIBUZIN 1	4.00 F	0.25 LB/AC	PRE		
12	R-40244	2.00 E	0.50 LB/AC	3DL	90	85
13	R-40244	2.00 F	1.00 LB/AC	3DL	97	80
14A	R-40244	2.00 E	0.50 LB/AC	PRE	95	95
14B	ATRAZINE	4.00 L	0.50 LB/AC	PRE		
15A	R-40244	2.00 E	0.50 LB/AC	PRE	93	92
15B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
16A	R-40244	2.00 E	0.13 LB/AC	PRE	59	83
16B	CYANAZINE	4.00 L	2.00 LB/AC	PRE		
16C	ATRAZINE	4.00 L	0.50 LB/AC	PRE		
17A	R-40244	2.00 E	0.50 LB/AC	PRE	95	92
17B	ALACHLOR	4.00 E	2.00 LB/AC	PRE		

TABLE 31. Corn Preemergence Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 16	
					GIFI	RRPW
18A	AC 206784	5.50 E	3.50 LB/AC	PRE	78	98
18B	ATRAZINE	4.00 L	1.50 LB/AC	PRE		
19A	AC 206784	5.50 E	3.50 LB/AC	PRE	90	83
19B	CYANAZINE	4.00 L	2.00 LB/AC	PRE		
20A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	98	99
20B	ATRAZINE	4.00 L	1.50 LB/AC	PRE		
21A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	98	73
21B	CYANAZINE	4.00 L	2.00 LB/AC	PRE		
22	SD 50093	4.00 L	3.00 LB/AC	PRE	90	70
23A	SD 50093	4.00 L	2.00 LB/AC	PRE	98	99
23B	METALACHLOR	8.00 E	2.00 LB/AC	PRE		
24A	SD 50093	4.00 L	2.00 LB/AC	PRE	99	100
24B	ALACHLOR	4.00 E	2.00 LB/AC	PRE		
25A	SD 50093	4.00 L	2.00 LB/AC	PRE	89	91
25B	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE		
26	CP 55097	5.00 E	3.00 LB/AC	PRE	95	62
27A	CP 55097	5.00 E	2.00 LB/AC	PRE	80	96
27B	ATRAZINE	4.00 L	1.50 LB/AC	PRE		
28	NC 22444	50.00 W	0.50 LB/AC	PRE	0	30
29	NC 22444	50.00 W	1.00 LB/AC	PRE	32	97
30	CHECK (CULTIVATED)	0.0 CK	0.0		67	95
LSD(05):					35	30

LOCATION: PRINCETON KY

FERTILIZATION (LB/AC): 100 N,

0 P, 0 K

SOIL TYPE: CRIDER SILT LOAM

DATE PLANTED: MAY 17 1979

PH: 6.4 O.M.: 1.9%

VARIETY: PIONEER 3369A

DATE TREATED: MAY 18 1979 PRE

TABLE 32. Corn Preplant Incorporated Princeton.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 16	
					GJEI	RRPW
1	CP 55097	5.00 E	3.00 LB/AC	PPI	0	33
2A	CP 55097	5.00 E	2.00 LB/AC	PPI	0	65
2B	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
3A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	83
3B	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
4A	CYANAZINE	4.00 L	2.00 LB/AC	PPI	0	48
4B	ATRAZINE	4.00 L	1.00 LB/AC	PPI		
5A	ALACHLOR	4.00 E	2.00 LB/AC	PPI	0	55
5B	SD 50093	4.00 L	2.00 LB/AC	PPI		
6	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PPI	7	97
7A	BUTYLATE + R-25788	6.70 E	4.00 LB/AC	PPI	78	85
7B	SD 50093	4.00 L	2.00 LB/AC	PPI		
8A	EPTC + R25788	6.70 E	3.00 LB/AC	PPI	58	53
8B	SD 50093	4.00 L	2.00 LB/AC	PPI		
9A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	87	32
9B	WITH R-33865	0.75	0.50	PPI		
10A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	56	66
10B	WITH R-33865	1.00	0.67	PPI		
11A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	74	95
11B	WITH R-33865	0.50	0.33	PPI		
11C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
12A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	60	96
12B	WITH R-33865	0.75	0.50	PPI		
12C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
13A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	25	48
13B	WITH R-33865	1.00	0.67	PPI		
13C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
14A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	0
14B	WITH R-33865	0.75	0.50	PPI		
15A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	48	23
15B	WITH R-33865	1.00	0.67	PPI		
16A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	78	73
16B	WITH R-33865	0.50	0.33	PPI		
16C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		

TABLE 32. Corn Preplant Incorporated Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 16	
					GIFT	RRPW
17A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	32	93
17B	WITH R-33865	0.75	0.50	PPI		
17C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
18A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	90	94
18B	WITH R-33865	1.00	0.67	PPI		
18C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
19A	VERNOLATE (6.7) + R-	6.70 L	4.00 LB/AC	PPI	65	70
19B	ATRAZINE	4.00 L	1.00 LB/AC	PPI		
20A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	0	32
20B	WITH R-33865	1.00	0.67	PPI		
21A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	17	63
21B	WITH R-33865	0.50	0.33	PPI		
21C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
22A	VERNOLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	23	97
22B	WITH R-33865	1.00	0.67	PPI		
22C	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
23A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	95	93
23B	WITH R-33865	0.50	0.33	PPI		
23C	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
24A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	93	83
24B	WITH R-33865	0.75	0.50	PPI		
24C	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
25A	BUTYLATE PKG MIX	6.00 EC	4.00 LB/AC	PPI	55	96
25B	WITH R-33865	1.00	0.67	PPI		
25C	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
26A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	59	40
26B	WITH R-33865	0.50	0.33	PPI		
26C	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
27A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	26	33
27B	WITH R-33865	0.75	0.50	PPI		
27C	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
28A	EPTC PKG MIX	6.00 EC	4.00 LB/AC	PPI	52	63
28B	WITH R-33865	1.00	0.67	PPI		
28C	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
29	PPG-225	3.00 E	0.25 LB/AC	PPI	0	20

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TABLE 32. Corn Preplant Incorporated Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 16	
					GIFI	RRPW
30A	PPG-225	3.00 E	0.50 LB/AC	PPI	0	0
30B	ATRAZINE	4.00 L	2.00 LB/AC	PPI		
31A	AC 206784	5.50 E	3.50 LB/AC	PPI	0	33
31B	ATRAZINE	4.00 L	1.50 LB/AC	PPI		
32A	AC 206784	5.50 E	3.50 LB/AC	PPI	0	25
32B	CYANAZINE	4.00 L	2.00 LB/AC	PPI		
33	CHECK (CULTIVATED)	0.0 CK	0.0		33	33
LSD(05):					49	62

LOCATION: PRINCETON KY

SOIL TYPE: CRIDER SILT LOAM

FERTILIZATION (LB/AC): 100 N,

0 P, 0 K

PH: 6.4 O.M.: 1.9%

DATE PLANTED: MAY 17 1979

DATE TREATED: MAY 17 1979 PPI

VARIETY: PIONEER 3369A

TABLE 33. No-Till Corn in Wheat Princeton.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 15	
					GIFT	RRPW
1A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	30	74
1B	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
1C	SURFACTANT	0.50 WA	0.50 %	PRE		
2A	SIMAZINE	4.00 L	2.00 LB/AC	PRE	66	69
2B	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
2C	SURFACTANT	0.50 WA	0.50 %	PRE		
3A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	38	6
3B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
4A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	30	50
4B	ALACHLOR	4.00 E	2.50 LB/AC	PRE		
4C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
4D	SURFACTANT	0.50 WA	0.50 %	PRE		
5A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	77	88
5B	SIMAZINE	80.00 WP	1.50 LB/AC	PRE		
5C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
6A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	71	72
6B	SIMAZINE	4.00 L	1.50 LB/AC	PRE		
6C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
6D	SURFACTANT	0.50 WA	0.50 %	PRE		
7A	ATRAZINE	4.00 L	1.50 LB/AC	PRE	90	45
7B	SIMAZINE	4.00 L	1.50 LB/AC	PRE		
7C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE		
8A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	74	75
8B	ALACHLOR	4.00 E	2.50 LB/AC	PRE		
8C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
9A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	44	81
9B	ATRAZINE	4.00 L	2.00 LB/AC	PRE		
9C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE		
10A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	75	99
10B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
10C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
10D	SURFACTANT	0.50 WA	0.50 %	PRE		
11A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	75	75
11B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
11C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
12A	METALACHLOR	8.00 F	2.00 LB/AC	PRE	98	70
12B	SIMAZINE	80.00 WP	1.60 LB/AC	PRE		
12C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
12D	SURFACTANT	0.50 WA	0.50 %	PRE		

TABLE 33. No-Till Corn in Wheat Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 15	
					GIFT	RRPW
13A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	69	75
13B	SIMAZINE	4.00 L	2.00 LB/AC	PRE		
13C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
13D	SURFACTANT	0.50 WA	0.50 %	PRE		
14A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	98	75
14B	SIMAZINE	4.00 L	1.60 LB/AC	PRE		
14C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
15A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	92	74
15B	SIMAZINE	4.00 L	2.00 LB/AC	PRE		
15C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
16A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	50	46
16B	CYANAZINE	4.00 L	2.00 LB/AC	PRE		
16C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
16D	SURFACTANT	0.50 WA	0.50 %	PRE		
17A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	85
17B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
17C	SIMAZINE	4.00 L	1.00 LB/AC	PRE		
17D	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
17E	SURFACTANT	0.50 WA	0.50 %	PRE		
18A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	80	60
18B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
18C	SIMAZINE	4.00 L	1.00 LB/AC	PRE		
18D	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
19A	CYANAZINE	4.00 L	3.00 LB/AC	PRE	95	50
19B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
19C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
20A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	50	25
20B	ALACHLOR	4.00 E	2.50 LB/AC	PRE		
20C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
20D	SURFACTANT	0.50 WA	0.50 %	PRE		
21A	CYANAZINE	4.00 L	2.00 LB/AC	PRE	44	25
21B	ALACHLOR	4.00 E	2.50 LB/AC	PRE		
21C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
22A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	56	45
22B	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
22C	SURFACTANT	0.50 WA	0.50 %	PRE		
23A	METALACHLOR + ATRAZI	4.50 F	3.60 LB/AC	PRE	84	71
23B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		

TABLE 33. No-Till Corn in Wheat Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 15	
					GIFT	RRPW
24A	R-40244	2.00 E	1.00 LB/AC	PRE	38	0
24B	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
24C	SURFACTANT	0.50 WA	0.50 %	PRE		
25A	R-40244	2.00 E	2.00 LB/AC	PRE	31	58
25B	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
25C	SURFACTANT	0.50 WA	0.50 %	PRE		
26A	R-40244	2.00 E	1.00 LB/AC	PRE	50	50
26B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
27A	R-40244	2.00 E	2.00 LB/AC	PRE	50	25
27B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
28A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	49	74
28B	ATRAZINE	4.00 L	1.00 LB/AC	PRE		
28C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
28D	SURFACTANT	0.50 WA	0.50 %	PRE		
29A	PENDIMETHALIN	4.00 E	1.50 LB/AC	4WK	0	0
29B	ATRAZINE	4.00 L	2.00 LB/AC	4WK		
29C	PARAQUAT	2.00 E	0.25 LB/AC	4WK		
29D	SURFACTANT	0.50 WA	0.50 %	4WK		
30A	PENDIMETHALIN	4.00 E	1.50 LB/AC	2WK	0	0
30B	ATRAZINE	4.00 L	2.00 LB/AC	2WK		
30C	PARAQUAT	2.00 E	0.25 LB/AC	2WK		
30D	SURFACTANT	0.50 WA	0.50 %	2WK		
31A	PENDIMETHALIN	4.00 F	2.00 LB/AC	4WK	12	0
31B	ATRAZINE	4.00 L	2.00 LB/AC	4WK		
31C	PARAQUAT	2.00 E	0.25 LB/AC	4WK		
31D	SURFACTANT	0.50 WA	0.50 %	4WK		
32A	PENDIMETHALIN	4.00 E	2.00 LB/AC	2WK	0	0
32B	ATRAZINE	4.00 L	2.00 LB/AC	2WK		
32C	PARAQUAT	2.00 E	0.25 LB/AC	2WK		
32D	SURFACTANT	0.50 WA	0.50 %	2WK		
33A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	22	25
33B	CYANAZINE	4.00 L	3.00 LB/AC	SPK		
33C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
33D	SURFACTANT	0.50 WA	0.50 %	PRE		
34A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	0	20
34B	ATRAZINE	4.00 L	2.00 LB/AC	SPK		
34C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
34D	SURFACTANT	0.50 WA	0.50 %	PRE		

TABLE 33. No-Till Corn in Wheat Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 15 GIFT	RRPW
35A	PENDIMETHALIN	4.00 E	1.50 LB/AC	SPK	0	0
35B	SD 50093	4.00 L	3.00 LB/AC	SPK		
35C	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
35D	SURFACTANT	0.50 WA	0.50 %	PRE		
36A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	0	0
36B	CYANAZINE	4.00 L	2.00 LB/AC	PRE		
36C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
37A	SD 50093	4.00 L	3.00 LB/AC	PRE	70	61
37B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
38A	SD 50093	80.00 WP	3.00 LB/AC	PRE	68	29
38B	PARAQUAT	2.00 E	0.25 LB/AC	PRE		
38C	SURFACTANT	0.50 WA	0.50 %	PRE		
39A	SD 50093	4.00 L	3.00 LB/AC	PRE	72	72
39B	METALACHLOR	8.00 E	2.00 LB/AC	PRE		
39C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
40A	CP 55097	5.00 E	2.50 LB/AC	PRE	22	25
40B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
41A	CP 55097	5.00 E	2.00 LB/AC	PRE	80	60
41B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
41C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE		
42A	SD 50093	4.00 L	2.50 LB/AC	PRE	45	60
42B	GLYPOSATE	4.00 E	1.50 LB/AC	PRE		
43A	SD 50093	4.00 L	2.00 LB/AC	PRE	100	66
43B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
43C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE		
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	72	92
44B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
44C	DINOSER	3.00 E	1.50 LB/AC	PRE		
45A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	48	75
45B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
45C	DINOSER	3.00 E	3.00 LB/AC	PRE		
46A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	41	72
46B	DINOSER	3.00 E	3.00 LB/AC	PRE		
47A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	56	52
47B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
47C	DINOSER	5.00 E	2.50 LB/AC	PRE		

TABLE 33. No-Till Corn in Wheat Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	AUGUST 15	
					GIFT	RRPW
48A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	46	48
48B	ATRAZINE	4.00 L	1.60 LB/AC	PRE		
48C	DINOSER	5.00 F	5.00 LB/AC	PRE		
49A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	48	65
49B	DINOSER	3.00 F	1.50 LB/AC	PRE		
50A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	45	72
50B	DINOSER	5.00 E	2.50 LB/AC	PRE		
51A	ATRAZINE	4.00 L	2.00 LB/AC	PRE	21	72
51B	DINOSER	5.00 E	5.00 LB/AC	PRE		
52A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	38	55
52B	ATRAZINE	4.00 L	2.00 LB/AC	PRE		
52C	DINOSER	3.00 F	3.00 LB/AC	PRE		
LSD(05):					56	57

LOCATION: PRINCETON KY
 FERTILIZATION (LB/AC): 100 N,
 DATE PLANTED: MAY 16 1979
 VARIETY: PIONEER 3369A

SOIL TYPE: CRIDER SILT LOAM
 0 P, 0 K PH: 6.7 O.M.: 1.7%
 DATE TREATED: MAY 17 1979 PRE
 MAY 31 1979 2WK
 JUNE 14 1979 4WK

TABLE 34. Soybeans Pre Princeton.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 17 19		
					GLET	RRPW	CRIN
1	CHLORAMBEN	2.00 E	3.00 LB/AC	PRE	49	44	0
2	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE	74	88	0
3	LINURON	4.00 L	1.00 LB/AC	PRE	89	99	0
4	METALACHLOR	8.00 E	2.50 LB/AC	PRE	100	100	0
5	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0
6	CP 55097	5.00 E	2.00 LB/AC	PRE	100	96	0
7	CP 55097	5.00 E	2.50 LB/AC	PRE	98	100	0
8	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE	75	84	0
9	RH-8817	2.00 E	0.75 LB/AC	PRE	100	85	0
10	RH-8817	2.00 E	1.00 LB/AC	PRE	98	95	0
11	BAS 479	1.70 EC	1.00 LB/AC	PRE	100	74	0
12A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	100	95	0
12B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
13A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	100	100	0
13B	LINURON	4.00 L	1.00 LB/AC	PRE			
14A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	99	99	0
14B	RH-8817	2.00 E	0.75 LB/AC	PRE			
15A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	75	67	0
15B	RH-8817	2.00 E	1.00 LB/AC	PRE			
16A	CP 55097	5.00 E	2.00 LB/AC	PPI	100	96	0
16B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PPI			
17A	CP 55097	5.00 E	2.00 LB/AC	PRE	99	95	0
17B	LINURON	4.00 L	1.00 LB/AC	PRE			
18A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	99	0
18B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
19A	METALACHLOR	8.00 E	2.50 LB/AC	PRE	100	90	0
19B	LINURON	4.00 L	1.00 LB/AC	PRE			
20A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	98	100	0
20B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			

TABLE 34. Soybeans Pre Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 17 19		
					GIFT	RRPW	CRIN
21A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	100	0
21B	NANPA/DN	3.00 E	4.50 LB/AC	CR			
22A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	100	100	0
22B	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE			
23A	DIETHATYL	4.00 E	2.00 LB/AC	PRE	98	93	0
23B	BIFENOX	80.00 WP	1.60 LB/AC	PRE			
24A	DIETHATYL	4.00 E	2.00 LB/AC	PRE	100	100	0
24B	METRIBUZIN 1 OR 2	4.00 F	0.50 LB/AC	PRE			
25A	DIETHATYL	4.00 E	2.00 LB/AC	PRE	100	96	0
25B	LINURON	4.00 L	1.00 LB/AC	PRE			
26A	CHLORAMBEN	2.00 E	2.50 LB/AC	PRE	99	90	0
26B	METALACHLOR	8.00 E	2.00 LB/AC	PRE			
27A	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE	99	90	0
27B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE			
28	EL-5219	3.00 EC	0.75 LB/AC	PRE	90	95	0
29	EL-5219	3.00 EC	0.94 LB/AC	PRE	85	88	0
30A	EL-5219	3.00 EC	0.75 LB/AC	PRE	55	82	0
30B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE			
31A	EL-5219	3.00 EC	0.94 LB/AC	PRE	95	89	0
31B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE			
32A	EL-5219	3.00 EC	0.75 LB/AC	PRE	95	90	0
32B	LINURON	4.00 L	1.00 LB/AC	PRE			
33A	EL-5219	3.00 EC	0.94 LB/AC	PRE	98	86	0
33B	LINURON	4.00 L	1.00 LB/AC	PRE			
34A	EL-5219	3.00 EC	0.75 LB/AC	PRE	62	48	0
34B	NANPA/DN	3.00 E	4.50 LB/AC	PRE			
35A	EL-5219	3.00 EC	0.94 LB/AC	PRE	100	75	25
35B	NANPA/DN	3.00 E	4.50 LB/AC	PRE			
36A	EL-5219	3.00 EC	0.75 LB/AC	PRE	100	90	0
36B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE			
37A	EL-5219	3.00 EC	0.94 LB/AC	PRE	100	65	0
37B	CHLORAMBEN	2.00 E	2.00 LB/AC	PRE			

TABLE 34. Soybeans Pre Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 17 19		
					GIFT	RRPW	CRIN
38A	NANPA/DN	3.00 E	4.50 LB/AC	PRE	84	69	0
38B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			
39A	BAS 479	1.70 EC	0.50 LB/AC	PRE	100	98	0
39B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
40A	AC 206784	5.50 E	3.50 LB/AC	PRE	100	100	0
40B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
41A	AC 206784	5.50 E	3.50 LB/AC	PRE	100	98	0
41B	LINURON	75.00 DF	1.00 LB/AC	PRE			
42A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	74	98	0
42B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE			
43A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	100	100	0
43B	LINURON	50.00 WP	1.00 LB/AC	PRE			
44A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	0	25	0
44B	NANPA/DN	3.00 E	4.50 LB/AC	PRE			
45A	RH-8817	2.00 E	0.75 LB/AC	PRE	100	100	0
45B	METALACHLOR	8.00 E	2.00 LB/AC	PRE			
46A	RH-8817	2.00 E	1.00 LB/AC	PRE	100	100	0
46B	METALACHLOR	8.00 E	2.00 LB/AC	PRE			
47A	RH 8254	2.00 E	0.50 LB/AC	PRE	100	99	0
47B	METALACHLOR	8.00 E	2.00 LB/AC	PRE			
48A	RH 8254	2.00 E	0.75 LB/AC	PRE	100	100	0
48B	METALACHLOR	8.00 E	2.00 LB/AC	PRE			
49A	BIFENOX	4.00 F	1.50 LB/AC	PRE	100	99	0
49B	METALACHLOR	8.00 E	2.00 LB/AC	PRE			
LSD(05):					28	28	NS

66

LOCATION: PRINCETON KY SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.2 O.M.: 2.2%
 DATE PLANTED: MAY 17 1979 DATE TREATED: MAY 18 1979 PRE
 VARIETY: WILLIAM

TABLE 35. Soybeans PPI Princeton.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---- AUGUST 17 1979 --			
					PESW	FAPA	GRAS	BRLE
1	ALACHLOR	4.00 E	2.50 LB/AC	PPI	0	33	20	0
2	CP 55097	5.00 E	2.00 LB/AC	PPI	0	33	28	28
3	CP 55097	5.00 E	2.50 LB/AC	PPI	67	63	60	65
4	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PPI	67	0	25	63
5	PENDIMETHALIN	4.00 E	1.50 LB/AC	PPI	67	67	63	83
6	VERNOLATE	7.00 E	2.50 LB/AC	PPI	0	0	0	0
7	FLUCHLORALIN	4.00 E	1.00 LB/AC	PPI	67	100	77	37
8	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	80	75	83
9	TRIFLURALIN	4.00 E	1.00 LB/AC	PPI	33	67	78	52
10	PROFLURALIN	4.00 E	1.00 LB/AC	PPI	33	33	64	58
11	ORYFLUORFEN	2.00 E	0.38 LB/AC	PPI	33	25	23	32
12	ORYFLUORFEN	2.00 E	0.50 LB/AC	PPI	67	40	55	45
13	ORYFLUORFEN	2.00 E	0.75 LB/AC	PPI	67	0	0	60
14	EL-171	4.00 EC	0.08 LB/AC	PPI	0	0	0	0
15	EL-171	4.00 EC	0.15 LB/AC	PPI	33	67	25	35
16	SONALAN	3.00 E	0.75 LB/AC	PPI	33	98	92	75
17A	SONALAN	3.00 E	0.75 LB/AC	PPI	0	65	63	0
17B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI				
18A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	33	33	30	46
18B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PPI				
19A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	33	33	40	33
19B	ORYFLUORFEN	2.00 E	0.50 LB/AC	PPI				
20A	ALACHLOR	4.00 E	2.50 LB/AC	PPI	70	0	17	54
20B	ORYFLUORFEN	2.00 E	0.75 LB/AC	PPI				
21A	CP 55097	5.00 E	2.00 LB/AC	PPI	67	33	32	65
21B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PPI				

TABLE 35. Soybeans PPI Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---- AUGUST 17 1979 --			
					PESW	FAPA	GRAS	BRLE
22A	CP 55097	5.00 E	2.00 LB/AC	PPI	0	0	22	27
22B	LINURON	4.00 L	1.00 LB/AC	PPI				
23A	METALACHLOR	8.00 E	2.00 LB/AC	PPI	33	33	75	53
23B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PPI				
24A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	0	0	0	0
24B	M-4287	6.00 E	2.00 LB/AC	PPI				
25A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	100	92	97
25B	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI				
26A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	67	67	55	62
26B	CHLORAMBEN	2.00 E	1.00 LB/AC	PPI				
26C	METRIBUZIN 1 OR 2	50.00 WP	0.25 LB/AC	PPI				
27A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	33	67	40	33
27B	CHLORAMBEN	2.00 E	1.50 LB/AC	PPI				
27C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI				
28A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	67	99	91	77
28B	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI				
28C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI				
29A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	33	53	68
29B	METRIBUZIN 2	75.00 DF	0.50 LB/AC	PPI				
30A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	97	67	77	92
30B	CHLORPROPHAM	4.00 E	3.00 LB/AC	CR				
31A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	67	92	92	88
31B	EL-171	4.00 EC	0.08 LB/AC	PPI				
32A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	67	99	71	42
32B	EL-171	4.00 FC	0.15 LB/AC	PPI				
33A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	78	20	72	82
33B	EL-171	4.00 EC	0.08 LB/AC	PPI				
33C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI				
34A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	0	0	23	0
34B	EL-171	4.00 EC	0.15 LB/AC	PPI				
34C	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PPI				
35A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	67	67	97
35B	METRIBUZIN 1	4.00 F	0.38 LB/AC	PPI				
35C	METRIBUZIN 1	4.00 F	0.38 LB/AC	PRE				

TABLE 35. Soybeans PPI Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	---- AUGUST 17 1979 --			
					PESW	FAPA	GRAS	BRLE
36A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	100	100	100
36B	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PPI				
36C	METRIBUZIN 2	75.00 DF	0.25 LB/AC	PRE				
37A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	0	50	93
37B	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PPI				
37C	CHLORAMBEN	2.00 E	2.00 LB/AC	PPI				
38A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	67	33	62	65
38B	ORYFLUORFEN	2.00 E	0.50 LB/AC	PPI				
39A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	100	33	33	92
39B	ORYFLUORFEN	2.00 E	0.75 LB/AC	PPI				
40A	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI	67	67	67	78
40B	ORYFLUORFEN	2.00 E	0.38 LB/AC	PRE				
41A	BIFENOX	4.00 F	1.50 LB/AC	PPI	50	58	33	37
41B	DIETHATYL	4.00 E	2.00 LB/AC	PPI				
42	MC 10982	2.00 EC	0.38 LB/AC	PPI	67	0	55	67
43	MC 10108	2.00 EC	0.38 LB/AC	PPI	0	30	27	25
44A	MC 10982	2.00 EC	0.38 LB/AC	PPI	33	63	67	28
44B	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI				
45A	MC 10108	2.00 EC	0.38 LB/AC	PPI	92	33	63	87
45B	TRIFLURALIN	4.00 E	0.75 LB/AC	PPI				
46	CHECK (CULTIVATED)	0.0 CK	0.0		0	0	0	0

LSD(05): NS 67 55 NS

LOCATION: PRINCETON KY SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.6 O.M.: 1.7%
 DATE PLANTED: MAY 17 1979 DATE TREATED: MAY 17 1979 PPI
 VARIETY: WILLIAMS

TABLE 36. No-Till Soybeans in Wheat Stubble Princeton.

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 15 19		
					GIFT	RRPW	CRIN
1A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	95	60	0
1B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE			
1C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
1D	SURFACTANT	0.50 WA	0.50 %	PRE			
2A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	54	24	0
2B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE			
2C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE			
3A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	99	61	0
3B	LINURON	50.00 WP	1.00 LB/AC	PRE			
3C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
3D	SURFACTANT	0.50 WA	0.50 %	PRE			
4A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	78	60	0
4B	LINURON	4.00 L	1.00 LB/AC	PRE			
4C	GLYPOSATE	4.00 E	1.50 LB/AC	PRE			
5A	METALACHLOR	8.00 E	2.00 LB/AC	PRE	22	0	0
5B	BIFENOX	4.00 F	1.50 LB/AC	PRE			
5C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
5D	SURFACTANT	0.50 WA	0.50 %	PRE			
6A	EL-5219	3.00 EC	0.94 LB/AC	PRE	0	0	0
6B	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
6C	SURFACTANT	0.50 WA	0.50 %	PRE			
7A	EL-5219	3.00 EC	1.41 LB/AC	PRE	44	0	0
7B	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
7C	SURFACTANT	0.50 WA	0.50 %	PRE			
8A	EL-5219	3.00 EC	0.94 LB/AC	PRE	58	6	0
8B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			
8C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
8D	SURFACTANT	0.50 WA	0.50 %	PRE			
9A	EL-5219	3.00 EC	1.31 LB/AC	PRE	22	24	0
9B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			
9C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
9D	SURFACTANT	0.50 WA	0.50 %	PRE			
10A	EL-5219	3.00 EC	0.94 LB/AC	PRE	86	19	0
10B	LINURON	4.00 L	1.00 LB/AC	PRE			
10C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
10D	SURFACTANT	0.50 WA	0.50 %	PRE			
11A	EL-5219	3.00 EC	1.31 LB/AC	PRE	21	40	0
11B	LINURON	4.00 L	1.00 LB/AC	PRE			
11C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
11D	SURFACTANT	0.50 WA	0.50 %	PRE			

TABLE 36. No-Till Soybeans in Wheat Stubble Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 15 19		
					GIFT	RRPW	CRIN
12A	ORYZALIN	75.00 WP	1.00 LB/AC	PRE	98	24	0
12B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			
12C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
12D	SURFACTANT	0.50 WA	0.50 %	PRE			
13A	ORYZALIN	4.00 AS	1.00 LB/AC	PRE	50	58	0
13B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			
13C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
14A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	69	76	0
14B	LINURON	50.00 WP	1.00 LB/AC	PRE			
14C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
14D	SURFACTANT	0.50 WA	0.50 %	PRE			
15A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	92	48	0
15B	LINURON	4.00 L	1.00 LB/AC	PRE			
15C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
15D	SURFACTANT	0.50 WA	0.50 %	PRE			
16A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	65	70	0
16B	LINURON	4.00 L	1.00 LB/AC	PRE			
16C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
17A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	94	94	0
17B	LINURON	4.00 L	1.00 LB/AC	PRE			
17C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
18A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	85	52	0
18B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
18C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
18D	SURFACTANT	0.50 WA	0.50 %	PRE			
19A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	66	64	0
19B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
19C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
19D	SURFACTANT	0.50 WA	0.50 %	PRE			
20A	PENDIMETHALIN	4.00 E	1.00 LB/AC	PRE	94	95	0
20B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
20C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
21A	PENDIMETHALIN	4.00 E	1.50 LB/AC	PRE	65	46	0
21B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
21C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
22A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	32	19	0
22B	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
22C	SURFACTANT	0.50 WA	0.50 %	PRE			

TABLE 36. No-Till Soybeans in Wheat Stubble Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 15 19		
					GIET	RRPW	CRIN
23A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	64	32	0
23B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
23C	PARAQUAT	2.00 E	2.50 LB/AC	PRE			
23D	SURFACTANT	0.50 WA	0.50 %	PRE			
24A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	74	20	0
24B	ORYZALIN	75.00 WP	1.50 LB/AC	PRE			
24C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
24D	SURFACTANT	0.50 WA	0.50 %	PRE			
25A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	45	65	0
25B	GLYPOSATE	4.00 E	1.00 LB/AC	PRE			
26A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	96	68	0
26B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
26C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
27A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	74	82	0
27B	ORYZALIN	75.00 WP	1.50 LB/AC	PRE			
27C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
28A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	98	40	0
28B	METALACHLOR	8.00 E	2.50 LB/AC	PRE			
28C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
28D	SURFACTANT	0.50 WA	0.50 %	PRE			
29A	ORYFLUORFEN	2.00 E	0.50 LB/AC	PRE	98	62	0
29B	METALACHLOR	8.00 E	2.50 LB/AC	PRE			
29C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
30A	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PRE	44	46	0
30B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
30C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
30D	SURFACTANT	0.50 WA	0.50 %	PRE			
31A	METRIBUZIN 2	75.00 DF	0.38 LB/AC	PRE	35	6	0
31B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
31C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
32A	LINURON	4.00 L	1.00 LB/AC	PRE	22	49	0
32B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
32C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
32D	SURFACTANT	0.50 WA	0.50 %	PRE			
33A	LINURON	4.00 L	1.00 LB/AC	PRE	90	92	0
33B	ALACHLOR	4.00 E	2.50 LB/AC	PRE			
33C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			

TABLE 36. No-Till Soybeans in Wheat Stubble Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 15 19		
					GIFI	RRPW	CRIN
34A	LINURON	4.00 L	1.00 LB/AC	PRE	90	39	0
34B	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
34C	SURFACTANT	0.50 WA	0.50 %	PRE			
34D	HOE 23408	3.00 E	1.00 LB/AC	POE			
35A	DIETHATYL	4.00 E	2.50 LB/AC	PRE	58	12	0
35B	METRIBUZIN 1 OR 2	50.00 WP	0.38 LB/AC	PRE			
35C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
35D	SURFACTANT	0.50 WA	0.50 %	PRE			
36A	DIETHATYL	4.00 E	2.50 LB/AC	PRE	71	55	0
36B	LINURON	4.00 L	1.00 LB/AC	PRE			
36C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
36D	SURFACTANT	0.50 WA	0.50 %	PRE			
37A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	58	54	0
37B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
37C	ACIFLUORFEN	2.00 LCS	0.50 LB/AC	MP			
38A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	19	32	0
38B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
38C	DINOSEB	3.00 E	1.50 LB/AC	PRE			
39A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	76	48	0
39B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
39C	DINOSEB	3.00 E	3.00 LB/AC	PRE			
40A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	15	41	0
40B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
40C	DINOSEB	5.00 E	2.50 LB/AC	PRE			
41A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	65	85	0
41B	METRIBUZIN 1	4.00 F	0.50 LB/AC	PRE			
41C	DINOSEB	5.00 E	5.00 LB/AC	PRE			
42A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	0	21	0
42B	LINURON	4.00 L	1.00 LB/AC	PRE			
42C	DINOSEB	3.00 E	1.50 LB/AC	PRE			
43A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	43	37	0
43B	LINURON	4.00 L	1.00 LB/AC	PRE			
43C	DINOSEB	3.00 E	3.00 LB/AC	PRE			
44A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	42	95	0
44B	LINURON	4.00 L	1.00 LB/AC	PRE			
44C	DINOSEB	5.00 E	2.50 LB/AC	PRE			

TABLE 36. No-Till Soybeans in Wheat Stubble Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 15 19		
					GIFT	RRPW	CRIN
45A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	62	48	0
45B	LINURON	4.00 L	1.00 LB/AC	PRE			
45C	DINOSER	5.00 E	5.00 LB/AC	PRE			
46A	CHLORPROPHAM	4.00 E	2.00 LB/AC	PRE	10	8	0
46B	ALACHLOR	4.00 E	2.00 LB/AC	PRE			
46C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
46D	SURFACTANT	0.50 WA	0.50 %	PRE			
47A	BIFENOX	4.00 F	1.50 LB/AC	PRE	0	0	0
47B	ALACHLOR	4.00 E	2.00 LB/AC	PRE			
47C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
47D	SURFACTANT	0.50 WA	0.50 %	PRE			
48A	ALACHLOR	4.00 E	2.00 LB/AC	PRE	31	49	0
48B	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
48C	SURFACTANT	0.50 WA	0.50 %	PRE			
48D	BENTAZON	4.00 E	0.75 LB/AC	EP			
49A	ALACHLOR	4.00 E	2.50 LB/AC	PRE	75	81	0
49B	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
49C	SURFACTANT	0.50 WA	0.50 %	PRE			
49D	ACIFLUORFEN	2.00 E	0.50 LB/AC	POE			
50A	CHLORPROPHAM	4.00 E	2.00 LB/AC	PRE	22	22	0
50B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE			
50C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
50D	SURFACTANT	0.50 WA	0.50 %	PRE			
51A	CP 55097	5.00 E	2.00 LB/AC	PRE	91	85	0
51B	LINURON	50.00 WP	1.00 LB/AC	PRE			
51C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
52A	CP 55097	5.00 E	2.50 LB/AC	PRE	67	39	0
52B	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
53A	CP 55097	5.00 E	2.00 LB/AC	PRE	69	54	0
53B	METRIBUZIN 1 OR 2	50.00 WP	0.50 LB/AC	PRE			
53C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
54A	CP 55097	5.00 E	2.00 LB/AC	PRE	42	45	0
54B	NANPA/DN	3.00 F	4.50 LB/AC	PRE			
54C	GLYPOSATE	4.00 E	2.00 LB/AC	PRE			
55A	RH-8817	2.00 E	1.00 LB/AC	PRE	55	39	0
55B	ORYZALIN	4.00 AS	1.00 LB/AC	PRE			
55C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
55D	SURFACTANT	0.50 WA	0.50 %	PRE			

TABLE 36. No-Till Soybeans in Wheat Stubble Princeton (cont.)

TRT NO.	HERBICIDE TREATMENT	FORMULA	RATE	APPL METH	-- AUGUST 15 19		
					GIFI	RRPW	CRIN
56A	RH-8817	2.00 E	1.00 LB/AC	PRE	52	21	0
56B	ALACHLOR	4.00 E	2.00 LB/AC	PRE			
56C	PARAQUAT	2.00 E	0.25 LB/AC	PRE			
56D	SURFACTANT	0.50 WA	0.50 %	PRE			

LSD(05): 49 53 NS

LOCATION: PRINCETON KY SOIL TYPE: CRIDER SILT LOAM
 FERTILIZATION (LB/AC): 0 N, 0 P, 0 K PH: 6.7 O.M.: 1.9%
 DATE PLANTED: MAY 17 1979 DATE TREATED: MAY 17 1979 PRE
 VARIETY: WILLIAMS