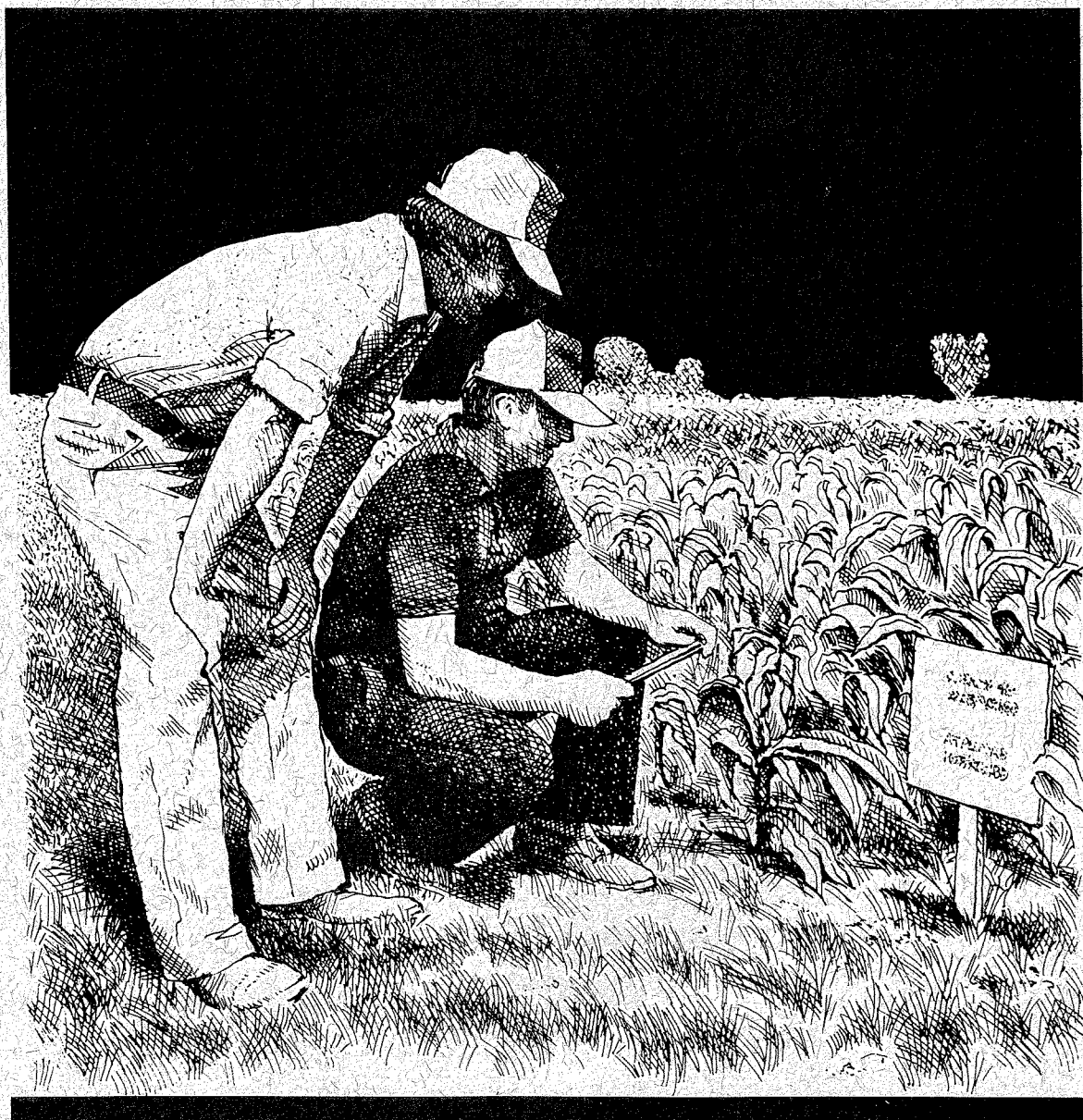


# Herbicide Evaluation Trials - 1995

C.H. Slack and W.W. Witt



University of Kentucky • College of Agriculture • Department of Agronomy • Lexington  
(Not for Publication)

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# **I. EXPERIMENTAL TECHNIQUES**

## **DESIGN:**

All treatments within an experiment were in a randomized complete block design with three replications per treatment. Each treated plot was two rows wide by twenty-five to forty-five feet long, depending on the experiment. An untreated row separated each plot except in the no-tillage studies.

## **APPLICATION:**

All treatments were applied with pressurized CO<sub>2</sub> sprayer at 25 GPA, unless indicated otherwise. Plots were incorporated with a field cultivator at both the Lexington and Princeton locations.

## **EVALUATION:**

Weed control was evaluated on a 0 to 100 scale with 0 representing no control and 100 representing total control. Crop injury was also based on a 0 to 100 scale with 0 representing no injury and 100 representing crop death.

## **CULTIVATION:**

Plots were not cultivated except where indicated.

## **SPECIFIC EXPERIMENTAL INFORMATION:**

The following information is found at the end of each summary:

(A) location, (B) fertilization, (C) soil type, (D) pH, (E) organic matter, (F) treatment date(s), (H) planting dates, (I) crop and/or weed growth stage for postemergence application.

## II. ABBREVIATIONS

### A. Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	Abutilon theophrasti
ACCOS	Hophornbeam Copperleaf	Acalypha ostryifolia
AGRRE	Quackgrass	Agropyron repens
AMACH	Smooth Pigweed	Amaranthus hybridus
AMARE	Redroot Pigweed	Amaranthus retroflexus
AMBEL	Common Ragweed	Ambrosia artemisiifolia
AMBTR	Giant Ragweed	Ambrosia trifida
AMPAL	Honeyvine Milkweed	Ampelamus albidus
CHEAL	Common Lambsquarters	Chenopodium album
CYPES	Yellow Nutsedge	Cyperus esculentus
DATST	Jimsonweed	Datura stramonium
DIGSA	Large Crabgrass	Digitaria sanguinalis
ECHCG	Barnyardgrass	Echinochloa crus-galli
ERICA	Marestail	Conyza canadensis
GLYMA	Soybean	Glycine max
IPOHE	Ivyleaf Morningglory	Ipomoea hederaceae
PHBPU	Tall Morningglory	Ipomoea purpurea
POLPY	Pennsylvania Smartweed	Polygonum pensylvanicum
SETFA	Giant Foxtail	Setaria faberi
SIDSP	Prickly Sida	Sida spinosa
SOLPT	Eastern Black Nightshade	Solanum ptycanthum
SORHA	Johnsongrass	Sorghum halepense
TAROF	Dandelion	Taraxacum officinale
XANST	Common cocklebur	Xanthium pensylvanicum
ZEAMX	Corn	Zea mays

### B. Miscellaneous

BBBB	All Broadleaf Species
GGGG	All Grass Species

## **II. ABBREVIATIONS**

### **C. Herbicide application times in Reference to Crop or Weed**

#### **PREEMERGENCE**

4WK -4 WEEKS BEFORE PLANTING  
3WK -3 WEEKS BEFORE PLANTING  
2WK -2 WEEKS BEFORE PLANTING  
1WK -1 WEEK BEFORE PLANTING  
PPI -PREPLANT INCORPORATED  
PRE -PREEMERGENCE

#### **POSTEMERGENCE**

EP -EARLY POSTEMERGENCE WEEDS < 2"  
LEP -LATE EARLY POSTEMERGENCE WEEDS 2-3"  
MP -MID-POSTEMERGENCE WEEDS 2-4"  
LP -LATE POSTEMERGENCE WEEDS 4-6"  
3TR -3 TRIFOLIATE  
POT -POST TRANSPLANT APPLICATION  
+7D -SEQUENTIAL TREATMENT APPLIED 7 DAYS AFTER FIRST APPLICATION  
+2W -APPLIED 2 WEEKS AFTER 1st APPLICATION  
+3W -APPLIED 3 WEEKS AFTER 1st APPLICATION  
+4W -APPLIED 4 WEEKS AFTER 1st APPLICATION  
3" -3 INCH WEED SPECIES  
<6" -LESS THAN 6 INCH WEED SPECIES  
4"C -4 INCH CORN  
5"C -5 INCH CORN  
8"C -8 INCH CORN  
10"C -10 INCH CORN  
12"C -12 INCH CORN  
14"C -14 INCH CORN  
6J -6 INCH JOHNSONGRASS  
12J -12 INCH JOHNSONGRASS  
18J -18 INCH JOHNSONGRASS  
REG -WEED REGROWTH  
INF -IN FURROW INSECTICIDE APPLICATION  
TBN -T BAND INSECTICIDE APPLICATION  
ASN - AS NEEDED



### III. A. APRIL CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
04-01-95	50	27	38		97	40	50	41	51	40	
04-02-95	60	37	48		66	35	52	44	55	43	
04-03-95	72	40	56		73	30	54	44	58	43	
04-04-95	56	43	50		90	21	54	48	58	49	
04-05-95	51	21	36		63	26	53	41	55	41	
04-06-95	72	34	53		57	30	58	43	62	43	
04-07-95	77	44	60		91	36	61	48	64	50	
04-08-95	80	57	68		98	40	62	53	68	54	
04-09-95	78	54	66	0.10	97	46	61	55	65	57	
04-10-95	77	42	60		97	66	63	51	66	51	
04-11-95	76	55	66		88	49	60	55	63	56	
04-12-95	67	47	57	0.68	100	40	60	55	64	56	0.19
04-13-95	58	40	49		75	47	56	51	57	50	0.17
04-14-95	61	39	50		77	28	59	47	60	46	0.16
04-15-95	63	39	51		71	41	55	49	57	48	0.13
04-16-95 E	79	53	66		72	50	63	51	66	51	0.16
04-17-95	77	60	68	0.18	100	68	65	58	70	59	0.15
04-18-95	80	63	72	0.06	94	56	63	60	69	62	0.09
04-19-95	74	60	67		84	42	66	60	69	62	0.16
04-20-95	71	46	58	0.43	100	73	62	56	65	56	0.22
04-21-95	75	61	68	1.05	100	47	65	60	70	62	0.14
04-22-95	61	45	53		90	61	62	58	64	58	0.14
04-23-95	49	41	45	0.74	100	57	58	50	57	49	0.08
04-24-95	58	37	48	0.08	100	41	56	49	57	47	0.11
04-25-95	61	41	51	0.03	99	36	59	50	60	49	0.16
04-26-95	70	40	55		80	37	59	50	64	49	0.22
04-27-95	60	48	54	0.01	95	55	57	54	59	54	0.18
04-28-95	62	36	49		98	41	60	49	63	48	0.12
04-29-95	68	39	54		93	35	60	51	65	51	0.17
04-30-95	60	50	55	0.03	94	55	58	55	61	56	0.10
Summary	67	45	56	3.39	88	44	59	51	62	51	2.85
Dev.	+1	-0	+1	-0.49							

### III. A. MAY CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
05-01-95	55	43	49	0.78	100	77	56	53	57	53	0.02
05-02-95	62	44	53	0.08	100	52	58	52	59	51	0.07
05-03-95	66	38	52		100	44	60	51	66	50	0.13
05-04-95	63	51	57	0.29	100	65	59	55	63	57	0.14
05-05-95	64	51	58	0.02	100	56	61	56	65	57	0.08
05-06-95	69	43	56		99	37	61	54	68	54	0.17
05-07-95	73	49	61		82	34	63	55	71	57	0.18
05-08-95	78	53	66		62	48	62	57	69	58	0.23
05-09-95	76	60	68	0.98	100	52	64	59	70	61	0.07
05-10-95	76	59	68	0.43	99	62	64	61	69	63	0.15
05-11-95	58	53	56		99	79	61	59	64	60	0.06
05-12-95	64	45	54		100	62	61	57	65	57	0.13
05-13-95	66	50	58	0.53	100	89	59	56	61	56	0.08
05-14-95	82	63	72	0.88	100	73	67	58	75	60	0.14
05-15-95	75	59	67		91	44	69	62	67	64	0.18
05-16-95	69	52	60	0.04	95	68	65	60	69	62	0.08
05-17-95	75	64	70	2.12	100	81	66	62	71	64	0.05
05-18-95	72	61	66	2.67	100	89	66	64	69	65	0.02
05-19-95	69	49	59	0.01	100	47	66	62	73	61	0.19
05-20-95	74	49	62		96	42	67	59	75	59	0.27
05-21-95	67	56	62		100	65	64	61	68	63	0.10
05-22-95	76	47	62		100	35	67	59	76	59	0.16
05-23-95	81	53	67		88	51	68	60	77	62	0.34
05-24-95	85	66	76		79	57	69	64	77	66	0.29
05-25-95	79	64	72	0.30	100	70	69	66	77	68	0.14
05-26-95	70	61	66		100	86	68	66	73	68	0.09
05-27-95	79	59	69	0.03	100	75	68	64	77	64	0.18
05-28-95	78	66	72	0.59	100	76	69	66	75	68	0.33
05-29-95	74	60	67		98	63	69	67	76	68	0.24
05-30-95	76	51	64		99	48	67	63	76	62	0.23
05-31-95 E	74	41	58		78	36	74	66	74	66	0.22
Summary	72	54	63	9.75	96	60	65	60	70	61	4.76
Dev.	-4	-1	-3	+5.28							

### III. A. JUNE CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
06-01-95	76	61	68	1.12	100	81	67	65	75	65	0.13
06-02-95	76	62	69	0.60	100	67	68	66	76	67	0.25
06-03-95	80	64	72	0.03	98	59	69	66	78	67	0.21
06-04-95	79	59	69		100	66	69	66	79	67	0.28
06-05-95	83	60	72		100	64	70	66	81	67	0.14
06-06-95	85	64	74		100	56	72	67	83	70	0.24
06-07-95	83	64	74		96	67	72	68	83	70	0.29
06-08-95	84	69	76	0.09	100	75	72	69	82	72	0.25
06-09-95	86	66	76	0.37	100	64	74	69	84	71	0.29
06-10-95	86	71	78	0.12	100	67	74	71	83	74	0.26
06-11-95	77	61	69	0.61	100	78	73	70	77	71	0.05
06-12-95	71	58	64	0.14	100	56	70	67	72	66	0.26
06-13-95	73	52	62		100	45	68	64	76	62	0.23
06-14-95	80	53	66		93	45	69	63	78	62	0.27
06-15-95	85	59	72		84	44	70	65	82	65	0.24
06-16-95	85	57	71		99	50	71	66	84	68	0.24
06-17-95	85	62	74		100	45	72	67	86	69	0.21
06-18-95	84	58	71		100	49	71	67	86	69	0.28
06-19-95	85	64	74		99	58	72	68	84	72	0.25
06-20-95	83	63	73		98	64	73	69	87	72	0.24
06-21-95	85	65	75		100	56	73	70	88	73	0.19
06-22-95	86	63	74	0.17	100	51	73	70	88	72	0.28
06-23-95	81	63	72		100	68	72	70	82	71	0.17
06-24-95	80	65	72	0.37	100	71	73	70	81	72	0.23
06-25-95	86	61	74	0.01	100	56	75	70	84	70	0.23
06-26-95	83	66	74	1.04	100	65	74	72	82	72	0.12
06-27-95	82	65	74		100	68	74	71	79	70	0.23
06-28-95	85	68	76		90	53	76	71	82	70	0.21
06-29-95	81	69	75		93	72	75	72	78	72	0.19
06-30-95	83	69	76	0.08	98	72	76	72	81	71	0.08
--											
Summary	82	63	72	4.75	98	61	72	68	81	69	6.54
Dev.	-1	+1	-0	+1.09							

### III. A. JULY CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
07-01-95	78	64	71		100	57	75	72	81	71	0.29
07-02-95	75	57	66		88	48	74	70	84	68	0.25
07-03-95	82	55	68		97	53	73	68	83	68	0.18
07-04-95	85	69	77	T	95	72	75	71	84	73	0.20
07-05-95	86	67	76	0.14	100	59	76	72	83	72	0.22
07-06-95	79	68	74	0.06	100	67	76	72	82	73	0.16
07-07-95	81	67	74	0.01	100	44	76	72	86	72	0.27
07-08-95	80	60	70		98	40	75	70	88	70	0.25
07-09-95	85	57	71		95	39	75	68	90	71	0.24
07-10-95	87	66	76		86	50	77	70	91	74	0.28
07-11-95	90	64	77		100	39	80	71	94	75	0.29
07-12-95	93	66	80		95	45	80	72	96	77	0.31
07-13-95	94	70	82		97	43	82	74	98	79	0.30
07-14-95	95	73	84		96	50	82	75	98	81	0.31
07-15-95	95	70	82	0.71	100	55	81	76	95	81	0.34
07-16-95	89	69	79	T	100	73	80	74	88	76	0.15
07-17-95	89	73	81		100	59	82	76	88	77	0.23
07-18-95	84	66	75		100	43	80	74	88	74	0.37
07-19-95	87	61	74		98	37	80	71	92	73	0.29
07-20-95	88	63	76		98	46	78	72	91	75	0.26
07-21-95	86	71	78		91	61	78	73	88	77	0.23
07-22-95	90	70	80	0.26	100	57	78	72	90	75	0.27
07-23-95	89	69	79	1.40	100	67	79	73	86	75	0.35
07-24-95	87	68	78	0.40	100	69	79	74	84	74	0.23
07-25-95	83	69	76	0.11	98	74	78	74	82	74	0.26
07-26-95	90	68	79	0.23	94	54	78	73	84	73	0.37
07-27-95	89	69	79		95	64	79	75	86	75	0.22
07-28-95	89	70	80		94	56	79	74	84	74	0.27
07-29-95	92	71	82		92	50	82	75	92	76	0.16
07-30-95	94	69	82		94	49	82	75	94	76	0.41
07-31-95	94	72	83		100	41	83	75	96	77	0.32
Summary	87	67	77	3.32	97	54	78	73	89	74	8.28
Dev.	+1	+2	+2	-1.68							

### III. A. AUGUST CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
08-01-95	92	70	81		100	50	83	77	96	80	.26
08-02-95	92	66	79	T	100	43	83	76	96	78	.30
08-03-95	92	68	80		97	38	83	76	97	79	.41
08-04-95	90	74	82		89	53	81	77	92	81	0.25
08-05-95	80	72	76	1.78	100	76	79	75	86	76	0.22
08-06-95	84	69	76	0.22	100	74	79	74	84	74	0.05
08-07-95	84	68	76	0.14	100	80	80	74	84	73	0.15
08-08-95	84	69	76	0.14	100	80	79	75	83	74	0.07
08-09-95	86	68	77	0.01	100	71	82	75	86	73	0.27
08-10-95	86	65	76	1.70	100	67	82	73	87	72	0.23
08-11-95	90	72	81		100	65	84	76	88	76	0.26
08-12-95	91	71	81		100	57	84	77	90	76	0.24
08-13-95	92	74	83		100	54	86	78	95	78	0.30
08-14-95	91	71	81		100	55	85	78	95	78	0.24
08-15-95	92	71	82		100	56	84	78	96	79	
08-16-95	92	72	82		100	57	85	78	97	80	0.26
08-17-95	93	72	82		100	56	85	78	97	80	0.27
08-18-95	91	73	82	0.44	100	61	84	81	95	83	.26
08-19-95	88	70	79	0.17	100	70	83	77	89	78	.22
08-20-95	88	72	80		100	69	83	78	89	79	.24
08-21-95	89	70	80	0.01	100	57	83	78	90	77	0.19
08-22-95	84	67	76		98	45	81	77	88	74	0.24
08-23-95	83	58	70		99	51	79	73	88	70	0.25
08-24-95	90	62	76		98	46	81	73	90	72	0.28
08-25-95	89	64	76		100	55	81	74	91	74	0.27
08-26-95	86	65	76		96	68	79	74	87	75	0.21
08-27-95	88	69	78		100	65	80	75	89	76	0.23
08-28-95	88	68	78		99	56	81	75	92	76	0.16
08-29-95	92	63	78		100	63	83	74	93	75	0.23
08-30-95	93	71	82		100	51	84	76	95	79	0.20
08-31-95	94	71	82		96	43	83	76	94	78	0.26
Summary	89	69	79	4.61	99	59	82	76	91	77	7.02
Dev.	+5	+6	+6	+0.68							

### III. A. APRIL CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
04-01-95	65	40	52		100	48	56		48		
04-02-95	70	30	50		100	48	56		47		
04-03-95	75	48	62		100	62	56		48		
04-04-95	71	47	59	T	92	64	56		42		
04-05-95	58	29	44		68	32	56		44		
04-06-95	76	37	56		90	52	56		50		
04-07-95	79	44	62		92	54	64		58		
04-08-95	81	61	71		78	60	66		60		
04-09-95	84	64	74		90	64	64		56		
04-10-95	89	55	72		100	30	66		60		
04-11-95	75	64	70		100	72	66		60		
04-12-95	66	43	54	0.16	100	46	66		57		
04-13-95	66	50	58		74	50	62		54		
04-14-95	74	36	55		100	42	63		54		
04-15-95	80	54	67		58	42	64		60		
04-16-95	80	64	72		64	62	65		61		
04-17-95	80	66	73		100	64	66		61		
04-18-95	81	68	74	T	100	70	68		64		
04-19-95	80	49	64		100	60	68		62		
04-20-95	75	50	62	0.89	100	96	70		62		
04-21-95	77	56	66	0.67	100	60	68		64		
04-22-95	75	45	60		100	72	68		66		
04-23-95	55	44	50	0.63	100	100	68		57		
04-24-95	64	42	53	0.09	100	60	68		58		
04-25-95	67	42	54		100	48	68		64		
04-26-95	73	42	58		80	60	68		64		
04-27-95	73	43	58		96	60	68		62		
04-28-95	65	34	50		100	50	68		60		
04-29-95	72	52	62		100	70	64		56		
04-30-95	64	52	58	0.40	100	90	64		55		
Summary	73	48	61	2.84	93	60	64		57		
Dev.	+2	+2	+2	-1.98							

### III. A. MAY CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
05-01-95	64	47	56	1.74	100	100	67	58			
05-02-95	64	40	52	0.04	100	60	64	54			
05-03-95	65	32	48		100	62	64	58			
05-04-95	63	48	56	0.13	100	96	62	54			
05-05-95	70	50	60		100	62	64	58			
05-06-95	72	45	58		100	60	66	60			
05-07-95	80	50	65		100	64	67	60			
05-08-95	84	65	74		100	70	68	62			
05-09-95	82	66	74	0.31	100	60	70	64			
05-10-95	82	62	72		80	60	70	64			
05-11-95	80	50	65		100	78	70	66			
05-12-95	72	45	58		100	60	72	64			
05-13-95	80	60	70	0.50	100	100	74	66			
05-14-95	88	67	78	0.09	100	86	73	64			
05-15-95	88	63	76		100	80	74	66			
05-16-95	78	55	66	0.60	100	100	76	70			
05-17-95	82	63	72	0.27	100	94	75	68			
05-18-95	80	62	71	3.07	100	100	76	68			
05-19-95	77	54	66	0.05	100	70	78	70			
05-20-95	78	48	63		100	48	78	74			
05-21-95	77	53	65	0.04	100	96	73	65			
05-22-95	80	52	66		100	82	76	70			
05-23-95	86	60	73		96	70	75	66			
05-24-95	85	64	74		82	74	76	74			
05-25-95	86	68	77	T	100	78	78	70			
05-26-95	78	60	69		100	92	78	72			
05-27-95	86	64	75	0.28	100	82	78	68			
05-28-95	85	68	76	0.18	100	82	77	70			
05-29-95	85	64	74	0.40	100	82	78	72			
05-30-95	78	62	70		100	68	78	74			
05-31-95	76	54	65	T	100	74	78	72			
Summary	78	56	67	7.70	99	77	73	66			
Dev.	-2	-0	-1	+2.62							

### III. A. JUNE CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
06-01-95	78	60	69	0.03	100	80	78	68			
06-02-95	80	62	71	0.96	100	94	78	74			
06-03-95	89	64	76	0.11	100	72	80	74			
06-04-95	85	61	73		100	74	80	74			
06-05-95	86	64	75		100	68	81	76			
06-06-95	85	62	74	0.34	100	90	82	76			
06-07-95	90	64	77	0.14	100	56	84	78			
06-08-95	91	65	78	0.04	100	30	84	78			
06-09-95	92	67	80	0.97	100	60	84	78			
06-10-95	92	66	79		100	60	80	74			
06-11-95	70	63	66	0.30	100	77	80	73			
06-12-95	74	57	66	0.24	96	51	80	74			
06-13-95 E	75	48	62		95	45	84	70			
06-14-95 E	82	51	66		91	43	78	70			
06-15-95 E	83	64	74		95	47	78	70			
06-16-95 E	88	68	78		96	45	80	76			
06-17-95 E	88	60	74		96	39	84	78			
06-18-95 E	85	61	73		95	45	80	77			
06-19-95 E	84	62	73	0.26	95	55	78	76			
06-20-95 E	85	64	74	0.23	96	63	82	72			
06-21-95 E	86	64	75	0.04	96	61	84	76			
06-22-95 E	88	63	76		96	62	84	78			
06-23-95 E	88	62	75		96	60	84	76			
06-24-95 E	86	64	75	0.15	97	55	82	76			
06-25-95 E	88	66	77	T	96	59	82	77			
06-26-95 E	86	67	76		95	62	82	78			
06-27-95 E	85	67	76	T	95	61	84	76			
06-28-95 E	90	67	78	0.16	93	52	86	78			
06-29-95 E	89	67	78	1.22	95	64	84	72			
06-30-95 E	85	70	78	0.02	100	59	84	72			
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Summary	85	63	74	5.21	97	60	82	75			
Dev.	-2	-0	-1	+1.34							



### III. A. JULY CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
07-01-95 E	86	62	74		85	49	82	74			
07-02-95 E	81	58	70		94	47	82	76			
07-03-95 E	80	62	71		93	62	82	75			
07-04-95 E	86	68	77		94	64	84	76			
07-05-95 E	82	68	75	0.57	92	65	84	72			
07-06-95 E	80	68	74	0.02	90	67	84	78			
07-07-95 E	89	67	78		96	53	84	74			
07-08-95 E	89	65	77		96	42	86	78			
07-09-95 E	87	69	78	0.02	92	54	82	75			
07-10-95 E	89	67	78		95	58	86	76			
07-11-95 E	91	66	78		96	56	88	78			
07-12-95	94	68	81				88	78			
07-13-95 E	97	72	84		96	54	85	80			
07-14-95 E	98	74	86		96	57	90	82			
07-15-95 E	98	75	86	0.06	94	58	88	82			
07-16-95 E	96	74	85		95	53	88	82			
07-17-95 E	89	74	82		96	60	88	82			
07-18-95	90	70	80		76	36	86	81			
07-19-95	90	64	77		80	30	87	79			
07-20-95	90	61	76		80	52	87	79			
07-21-95	90	73	82	0.04	82	56	84	79			
07-22-95	90	69	80		82	66	84	79			
07-23-95	91	71	81	0.83	84	68	84	79			
07-24-95	88	68	78	0.26	100	78	86	78			
07-25-95	89	69	79	0.92	96	62	86	78			
07-26-95	90	68	79	0.12	94	70	86	74			
07-27-95	89	68	78		90	70	86	78			
07-28-95	89	65	77	1.30	100	80	86	74			
07-29-95	93	65	79		100	74	86	78			
07-30-95	93	73	83		92	60	86	78			
07-31-95	96	72	84		90	50	86	76			
Summary	90	68	79	4.14	92	58	86	78			
Dev.	+0	+2	+1	-0.16							

### III. A. AUGUST CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
08-01-95	96	71	84		92	50	86	82			
08-02-95	95	70	82		92	60	86	80			
08-03-95	94	78	86		100	70	86	78			
08-04-95	92	74	83		100	80	86	76			
08-05-95	86	70	78	2.97	100	100	86	76			
08-06-95	90	71	80		100	82	87	78			
08-07-95	92	73	82	0.13	100	80	86	74			
08-08-95	90	71	80	0.47	100	90	86	78			
08-09-95	88	69	78	0.48	100	70	88	76			
08-10-95	92	69	80	0.09	100	74	86	76			
08-11-95	92	71	82		100	68	85	78			
08-12-95	94	71	82		100	68	86	82			
08-13-95	94	70	82		100	70	86	82			
08-14-95	95	72	84		100	80	86	82			
08-15-95	95	74	84		100	78	88	82			
08-16-95	96	73	84		100	60	88	84			
08-17-95	98	74	86		100	70	88	82			
08-18-95	98	75	86		100	70	88	82			
08-19-95	96	80	88		100	58	88	86			
08-20-95	91	75	83		100	84	87	82			
08-21-95	90	76	83		100	88	88	84			
08-22-95	90	70	80		100	50	88	82			
08-23-95	88	61	74		100	50	88	82			
08-24-95	92	64	78		100	50	86	78			
08-25-95	93	66	80		100	60	86	80			
08-26-95	90	70	80		100	62	84	78			
08-27-95	90	69	80		100	62	82	78			
08-28-95	92	68	80		100	70	82	78			
08-29-95	95	65	80		100	70	82	80			
08-30-95	96	68	82		100	68	84	80			
08-31-95	97	68	82		100	60	86	82			
Summary	93	71	82	4.14	99	69	86	80			
Dev.	+5	+7	+6	+0.08							

## V. HERBICIDES IN REPORT

TRADE NAME	CHEMICAL/COMMON	COMPANY
AATREX	ATRAZINE	CIBA
AC 299,263	AC 299,263	AMERICAN CYANAMID
AC 513,917	AC 513,917	AMERICAN CYANAMID
ACCENT	NICOSULFURON	DUPONT
ACTION	CGA 248757	CIBA
ACTIVATOR 90	NONIONIC SURFACTANT	LOVELAND
ASSURE II	QUIZALAFOP	DUPONT
AUTHORITY	SULFENTRAZONE	FMC
AXIOM		BAYER
BANVEL	DICAMBA	SANDOZ
BASAGRAN	BENTAZON	BASF
BASIS	RIMSULFURON + THIFENSULFURON	DUPONT
BATTALION	MON 12000 + MON 13900	MONSANTO
BEACON	PRIMISULFURON	CIBA
BICEP II	METOLACHLOR + ATRAZINE + BENOXACOR (2.7+ 3.2 + .1)	CIBA
BICEP LITE II	METOLACHLOR + ATRAZINE (3.3+ 1.7)	CIBA
BLADEX 90DF	CYANAZINE	DUPONT
BLAZER 2L	ACIFLUORFEN	BASF
BROADSTRIKE + DUAL	FLUMETSULAM + METOLACHLOR	DowElanco
BROADSTRIKE SF + DUAL	FLUMETSULAM + METOLACHLOR	DowElanco
BROADSTRIKE PLUS	FLUMETSULAM + CLOPYRALID	DowElanco
BROADSTRIKE POST	FLUMETSULAM + CLOPYRALID + 2,4-D	DowElanco
BROADSTRIKE + TREFLAN	FLUMETSULAM + TRIFLURALIN	DowElanco
BUCTRIL GEL	BROMOXYNIL	RHONE POULENC
BULLET	ALACHLOR MT + ATRAZINE (2.5+ 1.5)	MONSANTO
CANOPY	CHLORIMURON + METRIBUZIN (1:6)	DUPONT
CGA 277476	CGA 277476	CIBA
CLARITY	SAN 821H	SANDOZ
CLASSIC	CHLORIMURON	DUPONT
COBRA	LACTOFEN	VALENT
COMMAND	CLOMAZONE	FMC
CONCLUDE	SETHOXYDIM + BENTAZON + ACIFLUORFEN	BASF
CONTOUR	IMAZETHAPYR + ATRAZINE	AMERICAN CYANAMID
COUNTER	TERBUFOS	AMERICAN CYANAMID

TRADE NAME	CHEMICAL/COMMON	COMPANY
CROP OIL CONCENTRATE (COC)		LOVELAND
CROSSBOW	TRICLOPYR + 2,4-D	DowElanco
DASH HC	ADJUVANT	BASF
DETAIL	IMAZAQUIN + DIMETHENAMID	AMERICAN CYANAMID
DEVIRINOL	NAPROPAMIDE	ZENECA
DOUBLEPLAY	EPTC + ACETOCHLOR	ZENECA
DUAL	METOLACHLOR	CIBA
DUAL II	METOLACHLOR + BENOXACOR	CIBA
EXCEED	PROSULFURON + PRIMISULFURON	CIBA
EXTRAZINE II	CYANAZINE + ATRAZINE 3:1	DUPONT
FIRSTRATE	CLORANSULAM	DowElanco
FLEXSTAR	FOMESAFEN + SURF	ZENECA
F-6285	SULFENTRAZONE	FMC
FRONTIER	DIMETHENAMID (SAN 582H)	SANDOZ
FURADAN	CARBOFURAN	FMC
FUSILADE DX	FLUAZIFOP-BUTYL	ZENECA
FUSION	FLUAZIFOP + FENOXAPROP	ZENECA
GALAXY	BENTAZON + ACIFLUORFEN (3 + .67)	BASF
GRAMOXONE EXTRA	PARAQUAT	ZENECA
GUARDSMAN	DIMETHENAMID + ATRAZINE (2.33 + 2.67)	SANDOZ
GX 411	CYANAZINE 4L	GRIFFIN
GX 412	CYANAZINE 90DF	GRIFFIN
GX 413	CYANAZINE + ATRAZINE (32 + 10.4%)	GRIFFIN
GX 414	CYANAZINE + ATRAZINE (67.5 + 21.4%)	GRIFFIN
HARNESS	ACETOCHLOR	MONSANTO
HARNESS EXTRA	MON 8407 ACETOCHLOR + ATRAZINE	MONSANTO
KY 25		
LIBERTY	GLUFOSINATE	AgrEvo
LIQUID FERTILZIER	28% NITROGEN	
LOROX PLUS	CHLORIMURON + LINURON (1:16)	DUPONT
MARKSMAN	DICAMBA + ATRAZINE (2.1 + 1.1)	SANDOZ
MICRO-TECH	ALACHLOR	MONSANTO
MON 8434	ACETOCHLOR + ATRAZINE 1.24 + 1	MONSANTO
MON 7740	CLOMAZONE ME	MONSANTO
PARTNER	ALACHLOR	MONSANTO
PEAK	PROSULFURON	CIBA
PENTAGON	PENDIMETHALIN	AMERICAN CYANAMID
PERMIT	MON 12000	MONSANTO

**TRADE NAME****CHEMICAL/COMMON****COMPANY**

PINNACLE  
 POAST PLUS  
 PRINCEP  
 PROWL  
 PURSUIT  
 PURSUIT + FRONTIER  
 QUEST  
 REFLEX  
 RESOLVE  
 RESOURCE  
 REZULTS  
 ROUNDUP  
 SAN 821H  
 SAN 845H  
 SAN 1318H  
 SCEPTER DG  
 SCEPTER OT  
 SCEPTER + PURSUIT  
 SELECT  
 SENCOR 75DF  
 SPREADER 80  
 SQUADRON  
 STORM  
 SUN-IT II  
 SURPASS  
 SURPASS 100  
 SYNCHRONY STS  
 TOPNOTCH  
 TORNADO  
 TOUCHDOWN  
 TOUGH 3.75 EC  
 TREFLAN  
 TYPHOON  
 WEEDONE 638  
 WEEDONE LV4  
 X-77

THIFENSULFURON  
 SETHOXYDIM + DASH  
 SIMAZINE  
 PENDIMETHALIN  
 IMAZETHAPYR  
 IMAZETHAPYR + DIMETHENAMID  
 AMMONIUM SULFATE  
 FOMESAFEN  
 IMAZETHAPYR + DICAMBA  
 FLUMICLORAC-PENTYL  
 BENTAZON + SETHOXYDIM  
 GLYPHOSATE  
  
 DIMETHENAMID + DICAMBA + IMAZETHAPYR  
 IMAZAQUIN  
 IMAZAQUIN + ACIFLUOFEN  
 IMAZAQUIN + IMAZETHAPYR  
 CLETHODIM  
 METRIBUZIN  
 SURF  
 PENDIMETHALIN + IMAZAQUIN  
 BENTAZON + ACIFLUORFEN (2.66 + 1.33)  
 METHYLATED SEED OIL  
 ACETOCHLOR  
 ACETOCHLOR + ATRAZINE (3 + 2)  
 CHLORIMURON + THIFENSULFURON (1 + 1)  
 ACETOCHLOR  
 FOMESAFEN + FLUAZIFOP-P-BUTYL  
 SULFOSATE  
 PYRDIATE  
 TRIFLURALIN  
 FOMESAFEN + FLUAQIFOP-P-BUTYL  
 2,4-D ACID  
 2,4-D ESTER  
 SURFACTANT (NIS)

DUPONT  
 BASF  
 CIBA  
 AMERICAN CYANAMID  
 AMERICAN CYANAMID  
 AMERICAN CYANAMID  
 SETRE  
 ZENECA  
 AMERICAN CYANAMID  
 VALENT  
 BASF  
 MONSANTO  
 SANDOZ  
 SANDOZ  
 SANDOZ  
 SANDOZ  
 AMERICAN CYANAMID  
 AMERICAN CYANAMID  
 AMERICAN CYANAMID  
 VALENT  
 MILES  
 LOVELAND  
 AMERICAN CYANAMID  
 BASF  
 AMERICAN CYANAMID  
 ZENECA  
 ZENECA  
 DUPONT  
 ZENECA  
 ZENECA  
 ZENECA  
 ZENECA  
 CEDAR  
 DowElanco  
 ZENNECA  
 RHONE POULENC  
 RHONE POULENC  
 VALENT

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN PREEMERGENCE

Project Code: C5001  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt Treatment No Name	Form Fm Amt Ds	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
1 BICEP II	5.9 L	3.6 lb ai/A	PRE		100	60	0	100	77	97	97	90
2 BULLET	4 F	4 lb ai/A	PRE		97	57	0	97	63	93	93	80
3 EXTRAZINE II	90 DF	4 lb ai/A	PRE		87	67	0	97	77	97	93	80
4 EXTRAZINE II	90 DF	3.6 lb ai/A	PRE		97	90	0	97	87	100	100	97
4 ACCENT	75 DF	.031 lb ai/A	MP									
4 COC	L	1 qt pr/A	MP									
4 LIQUID N	L	2 qt pr/A	MP									
5 GUARDSMAN	5 L	2.8 lb ai/A	PRE		97	80	0	97	87	100	97	87
6 GUARDSMAN	5 L	2.8 lb ai/A	PRE		100	100	13	100	100	100	100	100
6 CLARITY	4 E	.5 lb ai/A	MP									
6 SPREADER 80		.25 % v/v	MP									
6 LIQUID N	L	1 qt pr/A	MP									
7 BROADSTRIKE SF + DUA	7.75 SC	1.69 lb ai/A	PRE		100	73	0	100	73	97	97	77
8 BROADSTRIKE SF + DUA	7.75 SC	1.93 lb ai/A	PRE		100	73	0	100	77	100	100	67
9 BROADSTRIKE SF + DUA	7.75 SC	2.17 lb ai/A	PRE		97	67	0	97	73	97	93	73
10 BROADSTRIKE + DUAL	7.67 SC	2.40 lb ai/A	PRE		100	83	0	100	80	100	97	77
11 DUAL	8 EC	2 lb ai/A	PRE		100	80	0	100	80	100	100	77
11 BROADSTRIKE PLUS	85.6 WG	.21 lb ai/A	PRE									
12 DUAL	8 EC	2 lb ai/A	PRE		93	60	0	93	53	83	93	67
12 BROADSTRIKE PLUS	85.6 WG	.26 lb ai/A	PRE									
13 FRONTIER	7.5 EC	1.3 lb ai/A	PRE		93	80	7	93	83	100	97	87
13 BROADSTRIKE PLUS	85.6 WG	.21 lb ai/A	PRE									
14 FRONTIER	7.5 EC	1.3 lb ai/A	PRE		97	83	3	97	83	100	100	90
14 BROADSTRIKE PLUS	85.6 WG	.26 lb ai/A	PRE									
15 DUAL	8 EC	2 lb ai/A	PRE		100	83	0	100	87	100	100	80
15 AATREX	4 L	1.5 lb ai/A	PRE									
16 DUAL	8 EC	2 lb ai/A	PRE		93	87	7	93	90	100	97	83
16 BATTALION	15 DF	.047 lb ai/A	PRE									
17 PROWL	3.3 EC	1.23 lb ai/A	PRE		90	83	0	90	80	100	97	87
17 AATREX	4 L	1.5 lb ai/A	PRE									

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
18	PROWL	3.3	EC	1.23	lb	ai/A	PRE			83	80	0	83	67	100	90	87
18	BLADEX	90	DF	2	lb	ai/A	PRE										
19	SURPASS 100	5	EC	.3	lb	ai/A	PRE			93	80	3	93	87	100	100	90
20	SURPASS 100	5	EC	2.75	lb	ai/A	PRE			100	87	0	100	90	100	100	87
20	AATREX	4	L	.4	lb	ai/A	PRE										
21	SURPASS	6.4	EC	1.6	lb	ai/A	PRE			97	83	0	97	87	100	93	87
21	AATREX	4	L	1.5	lb	ai/A	PRE										
22	TOPNOTCH	3.2	CS	1.6	lb	ai/A	PRE			97	80	0	97	80	100	100	90
22	AATREX	4	L	1.5	lb	ai/A	PRE										
23	HARNESS	7	EC	2	lb	ai/A	PRE			100	83	0	100	90	100	93	80
23	BATTALION	15	DF	.047	lb	ai/A	PRE										
24	HARNESS	7	EC	2	lb	ai/A	PRE			100	77	0	100	80	100	97	83
24	BATTALION	15	DF	.063	lb	ai/A	PRE										
25	HARNESS EXTRA	6	F	3	lb	ai/A	PRE			97	83	0	97	87	100	100	87
25	BATTALION	15	DF	.047	lb	ai/A	PRE										
26	HARNESS EXTRA	6	F	3.5	lb	ai/A	PRE			97	87	3	97	90	100	100	87
26	BATTALION	15	DF	.047	lb	ai/A	PRE										
27	HARNESS EXTRA	6	F	3.5	lb	ai/A	PRE			100	73	0	100	73	100	97	77
28	HARNESS EXTRA	6	F	3	lb	ai/A	PRE			93	90	0	93	90	100	100	90
28	AATREX	4	L	1	lb	ai/A	PRE										
29	HARNESS EXTRA	6	F	3.5	lb	ai/A	PRE			90	67	0	90	67	97	97	80
29	AATREX	4	L	1	lb	ai/A	PRE										
30	HARNESS EXTRA	6	F	3	lb	ai/A	PRE			97	87	0	97	87	100	97	87
30	PRINCEP	4	F	1	lb	ai/A	PRE										
31	HARNESS EXTRA	6	F	3	lb	ai/A	PRE			100	80	0	100	80	100	100	83
31	EXTRAZINE II	90	DF	2	lb	ai/A	PRE										
32	HARNESS EXTRA	6	F	3.5	lb	ai/A	PRE			97	90	0	97	87	100	100	87
32	EXTRAZINE II	90	DF	1.5	lb	ai/A	PRE										
33	MON 8434	6	F	3.22	lb	ai/A	PRE			100	87	0	100	77	100	97	90
34	MON 8434	6	F	3.22	lb	ai/A	PRE			100	93	0	100	93	100	100	93
34	AATREX	4	L	.5	lb	ai/A	PRE										
35	MON 8434	6	F	3.22	lb	ai/A	PRE			100	80	0	100	80	100	97	90
35	PRINCEP	4	F	1	lb	ai/A	PRE										

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95	20-6-95
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
		Amt	Ds	Rate	Unit	Stg		CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
36	MON 8434	6	F	3.22	lb ai/A	PRE		100	87	0	100	87	100	90	90
36	EXTRAZINE II	90	DF	1	lb ai/A	PRE									
37	AXIOM	68	DF	.77	lb ai/A	PRE		87	57	0	87	50	90	90	67
38	AXIOM	68	DF	.77	lb ai/A	PRE		97	70	0	97	77	97	97	83
38	ATRAZINE	4	F	.5	lb ai/A	PRE									
39	AXIOM	68	DF	.77	lb ai/A	PRE		100	100	0	100	100	100	100	100
39	EXCEED	57	W	.036	lb ai/A	MP									
39	COC		L	1	lb ai/A	MP									
40	AXIOM	65	DF	.77	lb ai/A	PRE		100	80	0	100	77	100	93	90
40	ACCENT	75	DF	.016	lb ai/A	MP									
40	COC		L	1	qt pr/A	MP									
41	AXIOM	68	DF	.77	lb ai/A	PRE		100	93	0	100	93	100	100	93
41	BEACON	75	DF	.018	lb ai/A	MP									
41	COC		L	1	qt pr/A	MP									
42	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	77	0	97	83	100	93	90
42	GX411	4	L	3	lb ai/A	PRE									
43	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	73	0	97	77	100	93	87
43	GX412	90	DF	3	lb ai/A	PRE									
44	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	90	0	97	83	100	100	93
44	GX413	4	L	4	lb ai/A	PRE									
45	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	83	0	97	87	100	100	83
45	GX414	90	DF	4	lb ai/A	PRE									
46	CHECK WEEDY							0	0	0	0	0	0	0	0
LSD (P=.05)								9.6	20.1	3.4	8.3	16.2	5.8	7.3	14.9
Standard Deviation								5.9	12.3	2.1	5.1	9.9	3.5	4.5	9.1
CV								6.23	15.7	264.0	5.39	12.46	3.65	4.73	10.97



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN PREEMERGENCE

Project Code: C5001  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	21-7-95	21-7-95	21-7-95	21-7-95	21-7-95	21-7-95
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
1	BICEP II	5.9	L	3.6	lb ai/A	PRE	0	97	77	97	97	90
2	BULLET	4	F	4	lb ai/A	PRE	0	97	60	93	90	80
3	EXTRAZINE II	90	DF	4	lb ai/A	PRE	0	80	73	97	93	80
4	EXTRAZINE II	90	DF	3.6	lb ai/A	PRE	0	93	83	100	97	97
4	ACCENT	75	DF	.031	lb ai/A	MP						
4	COC		L	1	qt pr/A	MP						
4	LIQUID N		L	2	qt pr/A	MP						
5	GUARDSMAN	5	L	2.8	lb ai/A	PRE	0	97	80	100	97	80
6	GUARDSMAN	5	L	2.8	lb ai/A	PRE	7	100	100	100	100	97
6	CLARITY	4	E	.5	lb ai/A	MP						
6	SPREADER 80			.25	% v/v	MP						
6	LIQUID N		L	1	qt pr/A	MP						
7	BROADSTRIKE SF + DUA	7.75	SC	1.69	lb ai/A	PRE	0	100	67	97	97	77
8	BROADSTRIKE SF + DUA	7.75	SC	1.93	lb ai/A	PRE	0	100	73	100	100	73
9	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	0	97	70	97	93	60
10	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	0	100	77	100	97	67
11	DUAL	8	EC	2	lb ai/A	PRE	0	100	80	100	100	67
11	BROADSTRIKE PLUS	85.6	WG	.21	lb ai/A	PRE						
12	DUAL	8	EC	2	lb ai/A	PRE	0	93	53	83	93	63
12	BROADSTRIKE PLUS	85.6	WG	.26	lb ai/A	PRE						
13	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	3	93	77	100	97	80
13	BROADSTRIKE PLUS	85.6	WG	.21	lb ai/A	PRE						
14	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	80	100	100	83
14	BROADSTRIKE PLUS	85.6	WG	.26	lb ai/A	PRE						
15	DUAL	8	EC	2	lb ai/A	PRE	0	100	87	100	100	80
15	AATREX	4	L	1.5	lb ai/A	PRE						
16	DUAL	8	EC	2	lb ai/A	PRE	7	93	90	100	97	80
16	BATTALION	15	DF	.047	lb ai/A	PRE						
17	PROWL	3.3	EC	1.23	lb ai/A	PRE	0	90	80	100	97	87
17	AATREX	4	L	1.5	lb ai/A	PRE						

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Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	21-7-95	21-7-95	21-7-95	21-7-95	21-7-95	21-7-95
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
18	PROWL	3.3	EC	1.23	lb ai/A	PRE		0	80	67	100	90	80
18	BLADEX	90	DF	2	lb ai/A	PRE							
19	SURPASS 100	5	EC	3	lb ai/A	PRE		3	93	87	100	100	90
20	SURPASS 100	5	EC	2.75	lb ai/A	PRE		0	97	87	100	100	87
20	AATREX	4	L	.4	lb ai/A	PRE							
21	SURPASS	6.4	EC	1.6	lb ai/A	PRE		0	97	87	100	93	83
21	AATREX	4	L	1.5	lb ai/A	PRE							
22	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE		0	97	80	100	100	87
22	AATREX	4	L	1.5	lb ai/A	PRE							
23	HARNESS	7	EC	2	lb ai/A	PRE		0	100	90	100	93	73
23	BATTALION	15	DF	.047	lb ai/A	PRE							
24	HARNESS	7	EC	2	lb ai/A	PRE		0	100	73	100	97	73
24	BATTALION	15	DF	.063	lb ai/A	PRE							
25	HARNESS EXTRA	6	F	3	lb ai/A	PRE		0	97	87	100	97	83
25	BATTALION	15	DF	.047	lb ai/A	PRE							
26	HARNESS EXTRA	6	F	3.5	lb ai/A	PRE		3	97	87	100	97	90
26	BATTALION	15	DF	.047	lb ai/A	PRE							
27	HARNESS EXTRA	6	F	3.5	lb ai/A	PRE		0	100	73	100	97	77
28	HARNESS EXTRA	6	F	3	lb ai/A	PRE		0	93	90	100	100	87
28	AATREX	4	L	1	lb ai/A	PRE							
29	HARNESS EXTRA	6	F	3.5	lb ai/A	PRE		0	90	67	97	93	80
29	AATREX	4	L	1	lb ai/A	PRE							
30	HARNESS EXTRA	6	F	3	lb ai/A	PRE		0	97	83	100	97	83
30	PRINCEP	4	F	1	lb ai/A	PRE							
31	HARNESS EXTRA	6	F	3	lb ai/A	PRE		0	100	73	100	100	83
31	EXTRAZINE II	90	DF	2	lb ai/A	PRE							
32	HARNESS EXTRA	6	F	3.5	lb ai/A	PRE		0	97	87	100	100	87
32	EXTRAZINE II	90	DF	1.5	lb ai/A	PRE							
33	MON 8434	6	F	3.22	lb ai/A	PRE		0	100	77	100	97	90
34	MON 8434	6	F	3.22	lb ai/A	PRE		0	100	90	100	100	90
34	AATREX	4	L	.5	lb ai/A	PRE							
35	MON 8434	6	F	3.22	lb ai/A	PRE		0	97	77	100	93	83
35	PRINCEP	4	F	1	lb ai/A	PRE							

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	21-7-95	21-7-95	21-7-95	21-7-95	21-7-95	21-7-95
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	ZEAMX	SETFA	XANST	CHEAL	ABUTH	PHBPU
36	MON 8434	6	F	3.27	lb ai/A	PRE		0	100	87	100	90	90
36	EXTRAZINE II	90	DF	1	lb ai/A	PRE							
37	AXIOM	68	DF	.77	lb ai/A	PRE		0	87	50	90	90	67
38	AXIOM	68	DF	.77	lb ai/A	PRE		0	93	67	97	97	80
38	ATRAZINE	4	F	.5	lb ai/A	PRE							
39	AXIOM	68	DF	.77	lb ai/A	PRE		0	97	97	100	100	97
39	EXCEED	57	W	.036	lb ai/A	MP							
39	COC		L	1	lb ai/A	MP							
40	AXIOM	65	DF	.77	lb ai/A	PRE		0	100	63	100	93	90
40	ACCENT	75	DF	.016	lb ai/A	MP							
40	COC		L	1	qt pr/A	MP							
41	AXIOM	68	DF	.77	lb ai/A	PRE		0	100	90	100	100	80
41	BEACON	75	DF	.018	lb ai/A	MP							
41	COC		L	1	qt pr/A	MP							
42	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	97	83	100	93	90
42	GX411	4	L	3	lb ai/A	PRE							
43	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	97	73	100	93	83
43	GX412	90	DF	3	lb ai/A	PRE							
44	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	97	83	100	100	93
44	GX413	4	L	4	lb ai/A	PRE							
45	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	97	87	100	100	83
45	GX414	90	DF	4	lb ai/A	PRE							
46	CHECK WEEDY							0	0	0	0	0	0
LSD (P=.05)								3.1	9.8	18.3	5.8	8.0	16.5
Standard Deviation								1.9	6.0	11.2	3.5	4.9	10.1
CV								376.09	6.41	14.5	3.65	5.21	12.58

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19-9-95 (C5001)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN FREEMERGENCE

Project Code:C5001  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Site Description

Crop: CORN Variety: PIONEER 3140 Planting Date: 10-5-95  
Planting Method: ROWS Rate, Unit: 24,000, TH Depth, Unit: 1.5 , "  
Row Spacing, Unit: 30 , "  
Soil Temp., Unit: 69 , F Soil Moisture: HIGH Emergence Date: 18-5-95  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Ground Cover: 10%  
Tillage Type: CONVENTIONAL Study Design: RCB  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED.

Soil Description

Texture: SILT LOAM % OM: 3.2 % Sand: 7.5 % Silt: 69 % Clay: 25  
pH: 6.2 CEC: 17.1 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 10-5-95 3-6-95  
Time of Day: 1 PM 10 AM  
Application Method: BROADCAST BROADCAST  
Application Timing: PRE MP  
Air Temp., Unit: 75 ,F 70 ,F  
% Relative Humidity: 80 60  
Wind Velocity, Unit: 4 ,MPH 3.5 ,MPH  
Dew Presence (Y/N): N N  
Soil Temp., Unit: 69 ,F 70 ,F  
Soil Moisture: GOOD GOOD  
% Cloud Cover: 25 30

Weed Species Weed Stage, Density at Application

XANST 3-4L,3-4"  
CHEAL 5L,2-3"  
ABUTH 2L,2-3"  
SETFA 3-4L,3-4"  
PHBPU 3-4L,3-4"

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

CORN PREPLANT INCORPORATED

Project Code:C5002  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	POLPY	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	19-6-95	19-6-95	19-6-95	19-6-95	19-6-95	19-6-95	19-6-95	19-6-95	19-6-95
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	ABUTH	POLPY	PHBPU
1	BICEP II	5.9	L	3.6	lb ai/A	PPI		100	80	0	100	80	100	100	100	97
2	BULLET	4	F	4	lb ai/A	PPI		93	70	0	93	70	100	100	100	97
3	GUARDSMAN	5	L	2.8	lb ai/A	PPI		97	80	0	97	80	100	97	100	97
4	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE		100	60	0	100	60	100	100	100	73
5	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PPI		100	67	0	100	67	100	100	100	70
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE		100	70	7	100	70	100	100	100	70
7	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PPI		100	73	3	100	73	100	100	97	73
8	DOUBLEPLAY	5	EC	3.125	lb ai/A	PPI		100	57	0	100	53	100	100	97	87
9	TOPNOTCH	3.2	CS	1.6	lb ai/A	PPI		100	80	3	100	80	100	100	100	97
9	AATREX	4	L	1.5	lb ai/A	PPI										
10	SURPASS	6.4	EC	1.6	lb ai/A	PPI		100	77	0	100	73	100	97	100	97
10	AATREX	4	L	1.5	lb ai/A	PPI										
11	SURPASS 100	5	EC	2.75	lb ai/A	PPI		100	83	0	100	77	100	100	100	97
11	AATREX	4	L	.4	lb ai/A	PPI										
12	HARNESS	7	EC	1.6	lb ai/A	PPI		93	70	0	93	63	100	97	100	93
12	AATREX	4	L	1.5	lb ai/A	PPI										
13	HARNESS EXTRA	6	F	3.5	lb ai/A	PPI		100	87	0	100	90	100	100	100	93
13	AATREX	4	L	1	lb ai/A	PPI										
14	FRONTIER	7.5	EC	1.3	lb ai/A	PPI		100	73	0	100	70	100	97	100	97
14	AATREX	4	L	1.5	lb ai/A	PPI										
15	HARNESS	7	EC	2	lb ai/A	PPI		100	77	0	100	80	100	97	100	77
15	BATTALION	15	DF	.047	lb ai/A	PPI										
16	HARNESS	7	EC	2	lb ai/A	PPI		93	73	0	93	73	100	100	97	73
16	BATTALION	15	DF	.063	lb ai/A	PPI										
LSD (P=.05)								8.3	14.7	4.3	8.3	14.9	0.0	5.1	3.9	14.3
Standard Deviation								5.0	8.8	2.6	5.0	9.0	0.0	3.1	2.3	8.6
CV								5.03	11.96	306.59	5.03	12.35	0.0	3.08	2.34	9.89

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN PREPLANT INCORPORATED

Project Code:CS002  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	ABUTH	POLPY	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	24-7-95	24-7-95	24-7-95	24-7-95	24-7-95	24-7-95	24-7-95
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	ZEAMX	SETFA	XANST	CHEAL	ABUTH	POLPY	PHBPU
1	BICEP II	5.9	L	3.6	lb ai/A	PPI		0	100	70	100	100	100	93
2	BULLET	4	F	4	lb ai/A	PPI		0	90	47	100	100	100	93
3	GUARDSMAN	5	L	2.8	lb ai/A	PPI		0	93	77	100	97	100	87
4	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE		0	90	70	100	100	100	77
5	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PPI		0	93	63	100	100	100	70
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE		3	90	47	100	100	100	70
7	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PPI		3	90	57	100	97	97	67
8	DOUBLEPLAY	5	EC	3.125	lb ai/A	PPI		0	93	33	100	100	93	83
9	TOPNOTCH	3.2	CS	1.6	lb ai/A	PPI		0	97	63	100	100	97	90
9	AATREX	4	L	1.5	lb ai/A	PPI								
10	SURPASS	6.4	EC	1.6	lb ai/A	PPI		0	100	60	100	97	100	97
10	AATREX	4	L	1.5	lb ai/A	PPI								
11	SURPASS 100	5	EC	2.75	lb ai/A	PPI		0	100	70	100	100	100	93
11	AATREX	4	L	.4	lb ai/A	PPI								
12	HARNESS	7	EC	1.6	lb ai/A	PPI		0	90	63	100	97	100	90
12	AATREX	4	L	1.5	lb ai/A	PPI								
13	HARNESS EXTRA	6	F	3.5	lb ai/A	PPI		0	100	87	100	100	100	93
13	AATREX	4	L	1	lb ai/A	PPI								
14	FRONTIER	7.5	EC	1.3	lb ai/A	PPI		0	97	53	100	97	100	90
14	AATREX	4	L	1.5	lb ai/A	PPI								
15	HARNESS	7	EC	2	lb ai/A	PPI		0	97	67	100	93	100	73
15	BATTALION	15	DF	.047	lb ai/A	PPI								
16	HARNESS	7	EC	2	lb ai/A	PPI		0	90	63	100	100	97	73
16	BATTALION	15	DF	.063	lb ai/A	PPI								
LSD (P=.05)								3.5	12.0	17.1	0.0	5.5	4.7	11.6
Standard Deviation								2.1	7.2	10.2	0.0	3.3	2.8	6.9
CV								498.0	7.65	16.53	0.0	3.32	2.84	8.29

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19-9-95 (C5002)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN PREPLANT INCORPORATED

Project Code: C5002  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROWS  
Soil Temp., Unit: 69 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED.

Variety: PIONEER 3140  
Rate, Unit: 24,000, TH  
Soil Moisture: HIGH  
Study Design: RCB  
Planting Date: 10-5-95  
Depth, Unit: 1.5 , "  
Row Spacing, Unit: 30 , "  
Emergence Date: 18-5-95  
Plot Length, Unit: 44 , FT Reps: 3  
Ground Cover: 10%

Soil Description

Texture: SILT LOAM  
pH: 6.2 CEC: 17  
% OM: 3.2  
Soil Name: MAURY  
% Sand: 7.5  
Fertility Level: HIGH  
% Silt: 68  
% Clay: 25

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	10-5-95					
Time of Day:	10 AM					
Application Method:	BROADCAST					
Application Timing:	PPI, PRE					
Air Temp., Unit:	70 , F					
% Relative Humidity:	40					
Wind Velocity, Unit:	4 , MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	65 , F					
Soil Moisture:	HIGH					
% Cloud Cover:	30					
Weed Species	Weed Stage, Density at Application					

Application Equipment

Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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Weed Science Field Research

CORN POSTEMERGENCE

Project Code:C5003  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P
PRM Data Type	0	0	0	0	0	0	0	0	0	0
Decimals Printed										

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
No	Name	Amt	Ds	Rate	Unit	Stg		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	PROWL	3.3	EC	1.23	lb ai/A	EP		97	87	0	97	87	100	100	100	93	100
1	AATREX	4	L	1.5	lb ai/A	EP											
2	PROWL	3.3	EC	1.23	lb ai/A	EP		93	80	7	93	80	100	100	100	87	100
2	BLADEX	90	DF	2	lb ai/A	EP											
3	ACCENT	75	DF	.031	lb ai/A	MP		100	50	0	100	50	100	100	97	87	83
3	AATREX	4	L	.5	lb ai/A	MP											
3	COC		L	1	qt pr/A	MP											
3	LIQUID N		L	2	qt pr/A	MP											
4	ACCENT	75	DF	.031	lb ai/A	MP		83	77	0	83	97	100	100	100	87	50
4	CLARITY	4	E	.25	lb ai/A	MP											
4	X-77			.25	% v/v	MP											
4	LIQUID N		L	1	qt pr/A	MP											
5	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		100	93	7	100	93	100	100	100	97	100
5	MARKSMAN	3.2	EC	1.4	lb ai/A	MP											
6	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		97	83	3	97	90	100	100	97	87	90
6	CLARITY	4	E	.25	lb ai/A	MP											
6	X-77			.25	% v/v	MP											
6	LIQUID N		L	1	qt pr/A	MP											
7	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		100	83	10	100	87	100	100	97	87	93
7	CLARITY	4	E	.5	lb ai/A	MP											
7	X-77			.25	% v/v	MP											
7	LIQUID N		L	1	qt pr/A	MP											
8	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		97	87	3	97	87	100	97	97	93	93
8	CLARITY	4	E	.5	lb ai/A	5"C											
9	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		93	90	3	93	90	100	100	100	93	93
9	SAN 821H	5	E	.5	lb ai/A	5"C											
10	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		93	87	3	93	87	70	100	97	90	93
10	SAN 845H	70	W	.5	lb ai/A	5"C											
11	FRONTIER	7.5	EC	1.3	lb ai/A	PRE		100	93	5	100	93	100	100	100	97	100
11	MARKSMAN	3.2	EC	1.4	lb ai/A	5"C											
12	SURPASS	6.4	EC	1.5	lb ai/A	PRE		90	87	0	90	90	100	100	100	87	97
12	BUCTRIL	4	EC	.25	lb ai/A	MP											
12	AATREX	4	L	.5	lb ai/A	MP											

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
13	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	87	0	100	90	100	100	100	87	93
13	EXCEED	57	W	.036	lb ai/A	MP										
13	X-77			.25	% v/v	MP										
13	LIQUID N		L	1	qt pr/A	MP										
14	HARNESS	7	EC	1.6	lb ai/A	PRE	100	87	0	100	93	100	100	100	87	90
14	PERMIT	75	DF	.031	lb ai/A	MP										
14	BANVEL	4	EC	.063	lb ai/A	MP										
14	X-77			.25	% v/v	MP										
14	LIQUID N		L	1	qt pr/A	MP										
15	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	87	0	97	90	100	100	100	87	87
15	BEACON	75	DF	.018	lb ai/A	MP										
15	BANVEL	4	EC	.25	lb ai/A	MP										
15	X-77			.25	% v/v	MP										
15	LIQUID N		L	1	qt pr/A	MP										
16	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	97	87	3	97	90	100	100	97	80	93
16	TOUGH	3.75	EC	.7	lb ai/A	MP										
16	BANVEL	4	EC	.25	lb ai/A	MP										
17	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	97	90	22	97	90	100	100	100	100	100
17	TOUGH	3.75	EC	.45	lb ai/A	MP										
17	AATREX	4	L	1	lb ai/A	MP										
17	SUNIT II		L	1	qt pr/A	MP										
18	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	100	87	0	100	87	100	100	100	87	97
18	RESOURCE	.86	EC	.027	lb ai/A	MP										
18	CLARITY	4	E	.5	lb ai/A	MP										
18	X-77			.25	% v/v	MP										
19	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	93	90	0	93	90	100	100	100	90	97
19	CLARITY	4	E	.5	lb ai/A	MP										
19	ACCENT	75	DF	.016	lb ai/A	MP										
19	X-77			.25	lb ai/A	MP										
20	DUAL II	7.8	EC	1.95	lb ai/A	PRE	90	90	0	90	93	100	100	100	87	100
20	BROADSTRIKE POST	85.6	WG	.21	lb ai/A	MP										
20	X-77			.25	% v/v	MP										
20	LIQUID N		L	2	qt pr/A	MP										
21	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	100	80	0	100	83	100	100	90	87	97
21	BEACON	75	DF	.018	lb ai/A	MP										
21	ACCENT	75	DF	.016	lb ai/A	MP										
21	TOUGH	3.75	EC	.45	lb ai/A	MP										
21	X-77			.25	% v/v	MP										
22	GUARDSMAN	5	L	2.8	lb ai/A	PRE	93	90	3	93	90	100	100	100	90	100
22	CLARITY	4	E	.25	lb ai/A	MP										
22	X-77			.25	% v/v	MP										
22	LIQUID N		L	1	qt pr/A	MP										

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
23	GUARDSMAN	5	L	2.8	lb ai/A	PRE		93	90	5	93	90	100	100	100	97	97
23	CLARITY	4	E	.5	lb ai/A	MP											
23	X-77			.25	% v/v	MP											
23	LIQUID N		L	1	qt pr/A	MP											
24	GUARDSMAN	5	L	2.8	lb ai/A	PRE		100	93	0	100	93	100	100	100	100	100
24	MARKSMAN	3.2	EC	1.4	lb ai/A	MP											
25	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	80	0	97	80	100	100	100	80	87
25	KY 25	50	DF	.023	lb ai/A	MP											
25	X-77			.25	lb ai/A	MP											
26	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	77	0	97	73	97	97	97	80	93
26	KY 25	50	DF	.031	lb ai/A	MP											
26	X-77			.25	lb ai/A	MP											
27	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	77	0	97	77	100	93	93	83	93
27	KY 25	50	DF	.023	lb ai/A	MP											
27	COC		L	1	qt pr/A	MP											
28	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	80	0	100	80	100	100	100	90	97
28	KY 25	50	DF	.031	lb ai/A	MP											
28	COC		L	1	qt pr/A	MP											
LSD (P=.05)								11.2	8.4	6.1	11.2	9.4	16.1	4.4	5.8	11.7	11.6
Standard Deviation								6.9	5.1	3.7	6.9	5.8	9.8	2.7	3.6	7.1	7.1
CV								7.14	6.06	138.97	7.14	6.68	9.96	2.68	3.61	8.01	7.62

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE

Project Code:C5003  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX INJURY CONTROL PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	POLPY CONTROL PERCENT	ABUTH CONTROL PERCENT	IPOHE CONTROL PERCENT	SIDSP CONTROL PERCENT
1	PROWL	3.3	EC	1.23	lb ai/A	EP	0	90	80	100	100	100	93	100
1	AATREX	4	L	1.5	lb ai/A	EP								
2	PROWL	3.3	EC	1.23	lb ai/A	EP	0	83	67	100	100	97	77	100
2	BLADEX	90	DF	2	lb ai/A	EP								
3	ACCENT	75	DF	.031	lb ai/A	MP	0	97	43	100	100	93	87	83
3	AATREX	4	L	.5	lb ai/A	MP								
3	COC		L	1	qt pr/A	MP								
3	LIQUID N		L	2	qt pr/A	MP								
4	ACCENT	75	DF	.031	lb ai/A	MP	0	80	93	100	100	93	83	47
4	CLARITY	4	E	.25	lb ai/A	MP								
4	X-77			.25	% v/v	MP								
4	LIQUID N		L	1	qt pr/A	MP								
5	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	90	100	100	100	97	100
5	MARKSMAN	3.2	EC	1.4	lb ai/A	MP								
6	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	80	83	100	100	93	70	83
6	CLARITY	4	E	.25	lb ai/A	MP								
6	X-77			.25	% v/v	MP								
6	LIQUID N		L	1	qt pr/A	MP								
7	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	87	83	100	100	93	77	90
7	CLARITY	4	E	.5	lb ai/A	MP								
7	X-77			.25	% v/v	MP								
7	LIQUID N		L	1	qt pr/A	MP								
8	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	83	87	100	97	97	80	90
8	CLARITY	4	E	.5	lb ai/A	5"C								
9	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	83	90	100	100	100	87	90
9	SAN 821H	5	E	.5	lb ai/A	5"C								
10	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	90	87	70	100	97	87	90
10	SAN 845H	70	W	.5	lb ai/A	5"C								
11	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	100	90	100	100	97	90	100
11	MARKSMAN	3.2	EC	1.4	lb ai/A	5"C								
12	SURPASS	6.4	EC	1.5	lb ai/A	PRE	0	80	83	100	100	97	80	97
12	BUCTRIL	4	EC	.25	lb ai/A	MP								
12	AATREX	4	L	.5	lb ai/A	MP								

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Weed/Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	Decimals Printed	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	POLPY CONTROL PERCENT	ABUTH CONTROL PERCENT	IPOHE CONTROL PERCENT	SIDSP CONTROL PERCENT
							8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0
13 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	93	93	100	100	100	87	93			
13 EXCEED	57 W	.03 lb ai/A	MP											
13 X-77		.25 % v/v	MP											
13 LIQUID N	L	1 qt pr/A	MP											
14 HARNESS	7 EC	1.6 lb ai/A	PRE	0	93	90	100	100	100	80	90			
14 PERMIT	75 DF	.031 lb ai/A	MP											
14 BANVEL	4 EC	.063 lb ai/A	MP											
14 X-77		.25 % v/v	MP											
14 LIQUID N	L	1 qt pr/A	MP											
15 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	90	87	100	100	100	80	83			
15 BEACON	75 DF	.018 lb ai/A	MP											
15 BANVEL	4 EC	.25 lb ai/A	MP											
15 X-77		.25 % v/v	MP											
15 LIQUID N	L	1 qt pr/A	MP											
16 FRONTIER	7.5 EC	1.2 lb ai/A	PRE	0	83	83	100	100	97	73	90			
16 TOUGH	3.75 EC	.7 lb ai/A	MP											
16 BANVEL	4 EC	.25 lb ai/A	MP											
17 FRONTIER	7.5 EC	1.2 lb ai/A	PRE	0	93	87	100	100	100	93	100			
17 TOUGH	3.75 EC	.45 lb ai/A	MP											
17 AATREX	4 L	1 lb ai/A	MP											
17 SUNIT II	L	1 qt pr/A	MP											
18 FRONTIER	7.5 EC	1.2 lb ai/A	PRE	0	87	83	100	100	100	80	93			
18 RESOURCE	.86 EC	.027 lb ai/A	MP											
18 CLARITY	4 E	.5 lb ai/A	MP											
18 X-77		.25 % v/v	MP											
19 FRONTIER	7.5 EC	1.2 lb ai/A	PRE	0	87	90	100	100	93	87	97			
19 CLARITY	4 E	.5 lb ai/A	MP											
19 ACCENT	75 DF	.016 lb ai/A	MP											
19 X-77		.25 lb ai/A	MP											
20 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	83	93	100	100	100	77	100			
20 BROADSTRIKE POST	85.6 WG	.21 lb ai/A	MP											
20 X-77		.25 % v/v	MP											
20 LIQUID N	L	2 qt pr/A	MP											
21 FRONTIER	7.5 EC	1.2 lb ai/A	PRE	0	90	70	100	100	87	73	97			
21 BEACON	75 DF	.018 lb ai/A	MP											
21 ACCENT	75 DF	.016 lb ai/A	MP											
21 TOUGH	3.75 EC	.45 lb ai/A	MP											
21 X-77		.25 % v/v	MP											
22 GUARDSMAN	5 L	2.8 lb ai/A	PRE	0	83	87	100	100	100	83	100			
22 CLARITY	4 E	.25 lb ai/A	MP											
22 X-77		.25 % v/v	MP											
22 LIQUID N	L	1 qt pr/A	MP											

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

ZEAMX	SETFA	XANST	CHEAL	POLPY	ABUTH	IPOHE	SIDSP
INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt Treatment	Form Fm	Rate	Grow								
No Name	Amt Ds	Rate Unit	Stg								
23 GUARDSMAN	5 L	2.8 lb ai/A	PRE	0	83	93	100	100	90	90	97
23 CLARITY	4 E	.5 lb ai/A	MP								
23 X-77		.25 % v/v	MP								
23 LIQUID N	L	1 qt pr/A	MP								
24 GUARDSMAN	5 L	2.8 lb ai/A	PRE	0	100	93	100	100	100	100	100
24 MARKSMAN	3.2 EC	1.4 lb ai/A	MP								
25 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	83	67	100	100	93	73	83
25 KY 25	50 DF	.023 lb ai/A	MP								
25 X-77		.25 lb ai/A	MP								
26 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	93	67	97	97	93	77	93
26 KY 25	50 DF	.031 lb ai/A	MP								
26 X-77		.25 lb ai/A	MP								
27 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	93	63	100	93	93	83	93
27 KY 25	50 DF	.023 lb ai/A	MP								
27 COC	L	1 qt pr/A	MP								
28 DUAL II	7.8 EC	1.95 lb ai/A	PRE	0	97	70	100	100	100	83	93
28 KY 25	50 DF	.031 lb ai/A	MP								
28 COC	L	1 qt pr/A	MP								
LSD (P=.05)				0.0	13.6	13.8	16.1	4.4	10.4	11.8	12.1
Standard Deviation				0.0	8.3	8.5	9.8	2.7	6.4	7.2	7.4
CV				.	9.4	10.33	9.96	2.68	6.61	8.67	8.06

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19-9-95 (C5003)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN POSTEMERGENCE

Project Code: C5003  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROW  
Soil Temp., Unit: 65 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED.

Variety: PIONEER 3140  
Rate, Unit: 24,000, TH  
Row Spacing, Unit: 30 , IN  
Soil Moisture: HIGH  
Study Design: RCB  
Emergence Date: 18-5-95  
Ground Cover: 10%

Planting Date: 10-5-95  
Depth, Unit: 1.5 , IN  
Reps: 3

Soil Description

Texture: SILT LOAM  
pH: 6.2 CEC: 17  
% OM: 3.3  
Soil Name: MAURY  
% Sand: 7.5  
Fertility Level: HIGH  
% Silt: 68.9  
% Clay: 23.9

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	10-5-95	23-5-95	31-5-95			
Time of Day:	3 PM	1 PM	10 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EP	MP, 5"C			
Air Temp., Unit:	75 ,F	78 ,F	70 ,F			
% Relative Humidity:	70	60	70			
Wind Velocity, Unit:	4 ,MPH	3.5 ,MPH	3.5 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	60 ,F	75 ,F	70 ,F			
Soil Moisture:	HIGH	GOOD	GOOD			
% Cloud Cover:	40	25	30			

Weed Species Weed Stage, Density at Application

SETFA	2L,1-2"	3-4L,3-4"
XANST	3L,2-3"	3-4L,3-5"
CHEAL	3-4L,1-2"	5L,2-3"
PHBPU	2-3L,2"	3-4L,3-4"

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

CORN POSTEMERGENCE II

Project Code: C5012  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
1	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	87	3	100	87	100	87	100
1	RESOURCE	.86	EC	.027	lb	ai/A	MP									
1	AATREX	4	L	.5	lb	ai/A	MP									
1	COC		L	.5	qt	pr/A	MP									
2	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	83	3	100	83	100	90	100
2	RESOURCE	.86	EC	.027	lb	ai/A	MP									
2	AATREX	4	L	.75	lb	ai/A	MP									
2	COC		L	.5	qt	pr/A	MP									
3	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	87	3	97	83	100	97	100
3	RESOURCE	.86	EC	.027	lb	ai/A	MP									
3	AATREX	4	L	1	lb	ai/A	MP									
3	COC		L	.5	qt	pr/A	MP									
4	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	90	0	100	90	100	83	97
4	RESOURCE	.86	EC	.027	lb	ai/A	MP									
4	BANVEL	4	EC	.25	lb	ai/A	MP									
5	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	83	8	100	83	100	90	80
5	RESOURCE	.86	EC	.027	lb	ai/A	MP									
5	WEEDONE LV4	3.8	SC	.25	lb	ai/A	MP									
6	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	77	8	100	77	90	77	97
6	RESOURCE	.86	EC	.027	lb	ai/A	MP									
6	ACCENT	75	DF	.031	lb	ai/A	MP									
6	COC		L	.5	qt	pr/A	MP									
7	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	90	5	100	90	100	97	100
7	RESOURCE	.86	EC	.027	lb	ai/A	MP									
7	MARKSMAN	3.2	EC	.8	lb	ai/A	MP									
8	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	100	13	100	100	100	100	100
8	RESOURCE	.86	EC	.027	lb	ai/A	MP									
8	MARKSMAN	3.2	EC	1.4	lb	ai/A	MP									
9	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	93	8	100	90	100	93	100
9	MARKSMAN	3.2	EC	.8	lb	ai/A	MP									
10	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		100	97	17	100	100	100	97	100
10	MARKSMAN	3.2	EC	1.4	lb	ai/A	MP									
11	FRONTIER	7.5	EC	1.3	lb	ai/A	PRE		97	93	18	93	93	100	87	97
11	RESOURCE	.86	EC	.027	lb	ai/A	MP									
11	CLARITY	4	EC	.25	lb	ai/A	MP									
11	X-77			.25	%	v/v	MP									

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	PHBPU CONTROL PERCENT	SIDSP CONTROL PERCENT
12	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	90	16	100	90	100	97	100
12	RESOURCE	.86	EC	.027	lb ai/A	MP								
12	AATREX	4	L	.75	lb ai/A	MP								
12	WEEDONE 638	2.80	EC	.5	lb ai/A	MP								
12	COC		L	.5	qt pr/A	MP								
13	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	87	0	100	90	100	97	100
13	RESOURCE	.86	EC	.027	lb ai/A	MP								
13	AATREX	4	L	.75	lb ai/A	MP								
13	BANVEL	4	EC	.25	lb ai/A	MP								
13	X-77			.25	% v/v	MP								
14	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	90	3	100	93	100	90	100
14	RESOURCE	.86	EC	.027	lb ai/A	MP								
14	BANVEL	4	EC	.25	lb ai/A	MP								
14	ACCENT	75	DF	.031	lb ai/A	MP								
14	X-77			.25	% v/v	MP								
15	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	90	3	100	93	97	90	100
15	RESOURCE	.86	EC	.027	lb ai/A	LP								
15	ACCENT	75	DF	.031	lb ai/A	LP								
15	BEACON	75	DF	.036	lb ai/A	LP								
15	COC		L	1	qt pr/A	LP								
15	LIQUID N		L	1	qt pr/A	LP								
16	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	83	0	100	90	100	77	97
16	RESOURCE	.86	EC	.027	lb ai/A	LP								
16	ACCENT	75	DF	.023	lb ai/A	LP								
16	BEACON	75	DF	.027	lb ai/A	LP								
16	COC		L	1	qt pr/A	LP								
16	LIQUID N		L	1	qt pr/A	LP								
17	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	87	0	100	87	100	90	97
17	RESOURCE	.86	EC	.027	lb ai/A	LP								
17	ACCENT	75	DF	.015	lb ai/A	LP								
17	BEACON	75	DF	.018	lb ai/A	LP								
17	COC		L	1	qt pr/A	LP								
17	LIQUID N		L	1	qt pr/A	LP								
18	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	80	0	100	77	93	80	87
18	RESOURCE	.86	EC	.027	lb ai/A	LP								
18	ACCENT	75	DF	.023	lb ai/A	LP								
18	COC		L	1	qt pr/A	LP								
18	LIQUID N		L	1	qt pr/A	LP								
19	FRONTIER	7.5	EC	1.3	lb a/A	PRE	100	77	0	100	80	97	80	83
19	RESOURCE	.86	EC	.027	lb a/A	LP								
19	ACCENT	75	DF	.031	lb ai/A	LP								
19	COC		L	1	qt pr/A	LP								
19	LIQUID N		L	1	qt pr/A	LP								

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	PHBPU CONTROL PERCENT	SIDSP CONTROL PERCENT
20	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	80	0	100	87	100	80	90
20	RESOURCE	.86	EC	.027	lb ai/A	LP								
20	BEACON	75	DF	.027	lb ai/A	LP								
20	COC	L		1	qt pr/A	LP								
20	LIQUID N	L		1	qt pr/A	LP								
21	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	87	0	100	87	100	87	100
21	RESOURCE	.86	EC	.027	lb ai/A	LP								
21	BEACON	75	DF	.036	lb ai/A	LP								
21	COC	L		1	qt pr/A	LP								
21	LIQUID N	L		1	qt pr/A	LP								
22	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	63	0	100	63	90	73	90
22	ACCENT	75	DF	.031	lb ai/A	LP								
22	COC	L		1	qt pr/A	LP								
22	LIQUID N	L		1	qt pr/A	LP								
23	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	100	70	0	100	73	77	73	100
23	BEACON	75	DF	.036	lb ai/A	LP								
23	COC	L		1	qt pr/A	LP								
23	LIQUID N	L		1	qt pr/A	LP								
24	CHECK						0	0	0	0	0	0	0	0
	LSD (P=.05)						1.9	8.0	11.0	2.8	8.8	5.9	9.1	10.4
	Standard Deviation						1.2	4.8	6.7	1.7	5.3	3.6	5.5	6.3
	CV						1.23	5.92	144.67	1.78	6.42	3.83	6.61	6.81

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE II

Project Code:C5012  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
1	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	73	100	80	97
1	RESOURCE	.86	EC	.027	lb ai/A	MP						
1	AATREX	4	L	.5	lb ai/A	MP						
1	COC		L	.5	qt pr/A	MP						
2	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	73	100	90	100
2	RESOURCE	.86	EC	.027	lb ai/A	MP						
2	AATREX	4	L	.75	lb ai/A	MP						
2	COC		L	.5	qt pr/A	MP						
3	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	80	100	97	100
3	RESOURCE	.86	EC	.027	lb ai/A	MP						
3	AATREX	4	L	1	lb ai/A	MP						
3	COC		L	.5	qt pr/A	MP						
4	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	90	87	97	80	83
4	RESOURCE	.86	EC	.027	lb ai/A	MP						
4	BANVEL	4	EC	.25	lb ai/A	MP						
5	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	80	73	100	90	73
5	RESOURCE	.86	EC	.027	lb ai/A	MP						
5	WEEDONE LV4	3.8	SC	.25	lb ai/A	MP						
6	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	93	63	90	73	90
6	RESOURCE	.86	EC	.027	lb ai/A	MP						
6	ACCENT	75	DF	.031	lb ai/A	MP						
6	COC		L	.5	qt pr/A	MP						
7	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	100	93	100	87	100
7	RESOURCE	.86	EC	.027	lb ai/A	MP						
7	MARKSMAN	3.2	EC	.8	lb ai/A	MP						
8	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	8	97	100	100	97	100
8	RESOURCE	.86	EC	.027	lb ai/A	MP						
8	MARKSMAN	3.2	EC	1.4	lb ai/A	MP						
9	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	87	100	87	100
9	MARKSMAN	3.2	EC	.8	lb ai/A	MP						
10	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	8	100	100	100	90	100
10	MARKSMAN	3.2	EC	1.4	lb ai/A	MP						
11	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	3	83	83	100	77	90
11	RESOURCE	.86	EC	.027	lb ai/A	MP						
11	CLARITY	4	EC	.25	lb ai/A	MP						
11	X-77			.25	% v/v	MP						

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Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	CHEAL	PHBPU	SIDSP
12	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	11	93	80	100	93	100
12	RESOURCE	.86	EC	.027	lb ai/A	MP						
12	AATREX	4	L	.75	lb ai/A	MP						
12	WEEDONE 638	2.80	EC	.5	lb ai/A	MP						
12	COC		L	.5	qt pr/A	MP						
13	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	87	100	87	100
13	RESOURCE	.86	EC	.027	lb ai/A	MP						
13	AATREX	4	L	.75	lb ai/A	MP						
13	BANVEL	4	EC	.25	lb ai/A	MP						
13	X-77			.25	% v/v	MP						
14	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	100	90	100	87	93
14	RESOURCE	.86	EC	.027	lb ai/A	MP						
14	BANVEL	4	EC	.25	lb ai/A	MP						
14	ACCENT	75	DF	.031	lb ai/A	MP						
14	X-77			.25	% v/v	MP						
15	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	93	80	97	80	87
15	RESOURCE	.86	EC	.027	lb ai/A	LP						
15	ACCENT	75	DF	.031	lb ai/A	LP						
15	BEACON	75	DF	.036	lb ai/A	LP						
15	COC		L	1	qt pr/A	LP						
15	LIQUID N		L	1	qt pr/A	LP						
16	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	100	80	100	77	83
16	RESOURCE	.86	EC	.027	lb ai/A	LP						
16	ACCENT	75	DF	.023	lb ai/A	LP						
16	BEACON	75	DF	.027	lb ai/A	LP						
16	COC		L	1	qt pr/A	LP						
16	LIQUID N		L	1	qt pr/A	LP						
17	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	90	83	100	80	77
17	RESOURCE	.86	EC	.027	lb ai/A	LP						
17	ACCENT	75	DF	.015	lb ai/A	LP						
17	BEACON	75	DF	.018	lb ai/A	LP						
17	COC		L	1	qt pr/A	LP						
17	LIQUID N		L	1	qt pr/A	LP						
18	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	93	60	93	77	73
18	RESOURCE	.86	EC	.027	lb ai/A	LP						
18	ACCENT	75	DF	.023	lb ai/A	LP						
18	COC		L	1	qt pr/A	LP						
18	LIQUID N		L	1	qt pr/A	LP						
19	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	63	90	80	77
19	RESOURCE	.86	EC	.027	lb ai/A	LP						
19	ACCENT	75	DF	.031	lb ai/A	LP						
19	COC		L	1	qt pr/A	LP						
19	LIQUID N		L	1	qt pr/A	LP						

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Weed/Crop Code	ZEAMX	SETFA	KANST	CHEAL	PHBPU	SIDSP
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	KANST	CHEAL	PHBPU	SIDSP
20	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	100	70	97	77	90
20	RESOURCE	.86	EC	.027	lb ai/A	LP						
20	BEACON	75	DF	.027	lb ai/A	LP						
20	COC		L	1	qt pr/A	LP						
20	LIQUID N		L	1	qt pr/A	LP						
21	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	90	80	100	77	93
21	RESOURCE	.86	EC	.027	lb ai/A	LP						
21	BEACON	75	DF	.036	lb ai/A	LP						
21	COC		L	1	qt pr/A	LP						
21	LIQUID N		L	1	qt pr/A	LP						
22	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	60	90	77	83
22	ACCENT	75	DF	.031	lb ai/A	LP						
22	COC		L	1	qt pr/A	LP						
22	LIQUID N		L	1	qt pr/A	LP						
23	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	97	73	73	57	97
23	BEACON	75	DF	.036	lb ai/A	LP						
23	COC		L	1	qt pr/A	LP						
23	LIQUID N		L	1	qt pr/A	LP						
24	CHECK						0	30	0	0	0	0
LSD (P=.05)							4.8	20.4	13.5	7.1	13.1	17.0
Standard Deviation							2.9	12.3	8.2	4.3	7.9	10.3
CV							224.63	13.43	10.81	4.65	10.03	11.83

CORN POSTEMERGENCE II

Project Code: C5012  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN Variety: PIONEER 3140 Planting Date: 10-5-95  
Planting Method: ROW Rate, Unit: 24,500, TH Depth, Unit: 1.5 , IN  
Row Spacing, Unit: 30 , IN  
Soil Temp., Unit: 65 , F Soil Moisture: HIGH Emergence Date: 17-5-95  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Ground Cover: 10  
Tillage Type: CONVENTIONAL Study Design: RCB  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED

Soil Description

Texture: SILT LOAM % OM: 3.3 % Sand: 7.5 % Silt: 68.6 % Clay: 23.9  
pH: 6.1 CEC: 17.1 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	10-5-95	2-6-95	4-6-95			
Time of Day:	3 PM	10 AM	3 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EP	MP			
Air Temp., Unit:	76 ,F	74 ,F	74 ,F			
% Relative Humidity:	60	40	50			
Wind Velocity, Unit:	3.8 ,MPH	4 ,MPH	4 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	69 ,F	70 ,F	75 ,F			
Soil Moisture:	HIGH	MEDIUM	HIGH			
% Cloud Cover:	20	30	20			
Weed Species	Weed Stage, Density at Application					
SETFA	2L ,2"	3L ,4"				
XANST	3L ,2"	4-5L,4-5"				
CHEAL	4L ,1.5"	6-8L,3-4"				
PHBPU	2L ,2-3"	3-4L,4"				
SIDSP	3L ,1"	5L ,3"				

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

25-9-95 (C5015)

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CORN POSTEMERGENCE III

Project Code:C5015  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm Amt	Rate Ds	Rate Unit	Grow Stg	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX
1	BASIS	75 DF	.016 lb ai/A	LEP	90	50	87	97	87	0		
1	X-77		.25 % v/v	LEP								
1	LIQUID N	L	2 qt pr/A	LEP								
2	BASIS	75 DF	.016 lb ai/A	LEP	73	77	90	100	87	0		
2	BANVEL	4 EC	.125 lb ai/A	LEP								
2	X-77		.25 % v/v	LEP								
2	LIQUID N	L	2 qt pr/A	LEP								
3	BASIS	75 DF	.016 lb ai/A	LEP	77	93	90	97	87	0		
3	BANVEL	4 EC	.25 lb ai/A	LEP								
3	X-77		.25 % v/v	LEP								
3	LIQUID N	L	2 qt pr/A	LEP								
4	BASIS	75 DF	.016 lb ai/A	LEP	80	100	90	100	93	0		
4	BANVEL	4 EC	.5 lb ai/A	LEP								
4	X-77		.25 % v/v	LEP								
4	LIQUID N	L	2 qt pr/A	LEP								
5	BASIS	75 DF	.016 lb ai/A	LEP	77	100	80	100	90	0		
5	AATREX	4 L	.5 lb ai/A	LEP								
5	X-77		.25 % v/v	LEP								
5	LIQUID N	L	2 qt pr/A	LEP								
6	BASIS	75 DF	.016 lb ai/A	LEP	90	100	90	100	93	0		
6	AATREX	4 L	.75 lb ai/A	LEP								
6	X-77		.25 % v/v	LEP								
6	LIQUID N	L	2 qt pr/A	LEP								
7	BASIS	75 DF	.016 lb ai/A	LEP	90	100	97	100	100	0		
7	AATREX	4 L	1 lb ai/A	LEP								
7	X-77		.25 % v/v	LEP								
7	LIQUID N	L	2 qt pr/A	LEP								
8	BASIS	75 DF	.016 lb ai/A	LEP	87	100	87	100	97	0		
8	AATREX	4 L	1.5 lb ai/A	LEP								
8	X-77		.25 % v/v	LEP								
8	LIQUID N	L	2 qt pr/A	LEP								
9	BASIS	75 DF	.016 lb ai/A	LEP	87	80	87	100	90	0		
9	WEEDONE 638	2.80 EC	.25 lb ai/A	LEP								
9	X-77		.25 % v/v	LEP								
9	LIQUID N	L	2 qt pr/A	LEP								

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Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX	
		Amt	Ds	Rate	Unit							
10	BASIS	75	DF	.016	lb ai/A	LEP	87	90	90	97	90	0
10	AATREX	4	L	.5	lb ai/A	LEP						
10	COC		L	1	qt pr/A	LEP						
10	LIQUID N		L	2	qt pr/A	LEP						
11	BASIS	75	DF	.016	lb ai/A	LEP	90	100	87	100	97	0
11	AATREX	4	L	.75	lb ai/A	LEP						
11	COC		L	1	qt pr/A	LEP						
11	LIQUID N		L	2	qt pr/A	LEP						
12	BASIS	75	DF	.016	lb ai/A	LEP	100	100	97	100	100	0
12	AATREX	4	L	1	lb ai/A	LEP						
12	COC		L	1	qt pr/A	LEP						
12	LIQUID N		L	2	qt pr/A	LEP						
13	BASIS	75	DF	.016	lb ai/A	LEP	90	100	97	100	97	0
13	AATREX	4	L	1.5	lb ai/A	LEP						
13	COC		L	1	qt pr/A	LEP						
13	LIQUID N		L	2	qt pr/A	LEP						
14	BASIS	75	DF	.016	lb ai/A	LEP	77	100	90	100	87	0
14	MARKSMAN	3.2	EC	.4	lb ai/A	LEP						
14	X-77			.25	% v/v	LEP						
14	LIQUID N		L	2	qt pr/A	LEP						
15	BASIS	75	DF	.016	lb ai/A	LEP	87	100	90	100	90	0
15	MARKSMAN	3.2	EC	.8	lb ai/A	LEP						
15	X-77			.25	% v/v	LEP						
15	LIQUID N		L	2	qt pr/A	LEP						
16	BASIS	75	DF	.016	lb ai/A	LEP	97	93	87	100	83	0
16	BANVEL	4	EC	.125	lb ai/A	LEP						
16	PROWL	3.3	EC	.41	lb ai/A	LEP						
16	X-77			.25	% v/v	LEP						
16	LIQUID N		L	2	qt pr/A	LEP						
17	BASIS	75	DF	.016	lb ai/A	LEP	90	97	90	100	87	0
17	BANVEL	4	EC	.25	lb ai/A	LEP						
17	PROWL	3.3	EC	.41	lb ai/A	LEP						
17	X-77			.25	% v/v	LEP						
17	LIQUID N		L	2	qt pr/A	LEP						
18	BASIS	75	DF	.016	lb ai/A	LEP	90	100	87	100	90	0
18	BANVEL	4	EC	.25	lb ai/A	LEP						
18	PROWL	3.3	EC	.41	lb ai/A	LEP						
18	COC		L	1	qt pr/A	LEP						
18	LIQUID N		L	2	qt pr/A	LEP						

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Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	SETFA CONTROL	SOLPT CONTROL	XANST CONTROL	CHEAL CONTROL	PHBPU CONTROL	ZEAMX INJURY
19	DUAL II	7.8	EC	2 lb ai/A	PRE		97	100	90	97	90	0
19	BANVEL	4	EC	.125 lb ai/A	LEP							
19	X-77			.25 % v/v	LEP							
19	LIQUID N		L	2 qt pr/A	LEP							
20	DUAL II	7.8	EC	2 lb ai/A	PRE		97	100	90	100	93	0
20	BANVEL	4	EC	.25 lb ai/A	LEP							
20	X-77			.25 % v/v	LEP							
20	LIQUID N		L	2 qt pr/A	LEP							
21	DUAL II	7.8	EC	2 lb ai/A	PRE		97	100	93	100	90	0
21	BANVEL	4	EC	.5 lb ai/A	LEP							
21	X-77			.25 % v/v	LEP							
21	LIQUID N		L	2 qt pr/A	LEP							
22	DUAL II	7.8	EC	2 lb ai/A	PRE		100	87	73	100	97	0
22	AATREX	4	L	1 lb ai/A	LEP							
22	X-77			.25 % v/v	LEP							
22	LIQUID N		L	2 qt pr/A	LEP							
23	ACCENT	75	DF	.031 lb ai/A	MP		90	60	67	90	90	0
23	X-77			.25 % v/v	MP							
23	LIQUID N		L	2 qt pr/A	MP							
24	ACCENT	75	DF	.063 lb ai/A	MP		90	73	83	97	90	0
24	X-77			.25 % v/v	MP							
24	LIQUID N		L	2 qt pr/A	MP							
25	ACCENT	75	DF	.031 lb ai/A	MP		87	57	87	97	90	0
25	PEAK	57	WG	.004 lb ai/A	MP							
25	X-77			.25 % v/v	MP							
25	LIQUID N		L	2 qt pr/A	MP							
26	ACCENT	75	DF	.031 lb ai/A	MP		83	70	90	97	90	0
26	PEAK	57	WG	.009 lb ai/A	MP							
26	X-77			.25 % v/v	MP							
26	LIQUID N		L	2 qt pr/A	MP							
27	ACCENT	75	DF	.063 lb ai/A	MP		93	93	90	100	90	0
27	PEAK	57	WG	.018 lb ai/A	MP							
27	X-77			.25 % v/v	MP							
27	LIQUID N		L	2 qt pr/A	MP							
28	ACCENT	75	DF	.031 lb ai/A	MP		87	97	97	100	93	0
28	EXCEED	57	W	.019 lb ai/A	MP							
28	X-77			.25 % v/v	MP							
28	LIQUID N		L	2 qt pr/A	MP							

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Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	SETFA CONTROL	SOLPT CONTROL	XANST CONTROL	CHEAL CONTROL	PHBPU CONTROL	ZEAMX INJURY
29	ACCENT	75	DF	.031	lb ai/A	MP	90	100	97	100	90	0
29	EXCEED	57	W	.036	lb ai/A	MP						
29	X-77			.25	% v/v	MP						
29	LIQUID N		L	2	qt pr/A	MP						
30	ACCENT	75	DF	.031	lb ai/A	MP	90	100	97	100	93	0
30	EXCEED	57	W	.07	lb ai/A	MP						
30	X-77			.25	% v/v	MP						
30	LIQUID N		L	2	qt pr/A	MP						
31	ACCENT	75	DF	.031	lb ai/A	MP	87	67	97	100	90	0
31	PERMIT	75	DF	.016	lb ai/A	MP						
31	X-77			.25	% v/v	MP						
31	LIQUID N		L	2	qt pr/A	MP						
32	ACCENT	75	DF	.031	lb ai/A	MP	87	67	97	93	90	0
32	PERMIT	75	DF	.031	lb ai/A	MP						
32	X-77			.25	% v/v	MP						
32	LIQUID N		L	2	qt pr/A	MP						
33	ACCENT	75	DF	.063	lb ai/A	MP	87	73	97	93	90	0
33	PERMIT	75	DF	.063	lb ai/A	MP						
33	X-77			.25	% v/v	MP						
33	LIQUID N		L	2	qt pr/A	MP						
34	ACCENT	75	DF	.031	lb ai/A	MP	73	87	90	90	80	0
34	BROADSTRIKE PO	84.3	WG	.11	lb ai/A	MP						
34	X-77			.25	% v/v	MP						
34	LIQUID N		L	2	qt pr/A	MP						
35	ACCENT	75	DF	.031	lb ai/A	MP	87	97	90	100	90	0
35	BROADSTRIKE PO	84.3	WG	.21	lb ai/A	MP						
35	X-77			.25	% v/v	MP						
35	LIQUID N		L	2	qt pr/A	MP						
36	ACCENT	75	DF	.063	lb ai/A	MP	87	100	90	100	90	0
36	BROADSTRIKE PO	84.3	WG	.42	lb ai/A	MP						
36	X-77			.25	% v/v	MP						
36	LIQUID N		L	2	qt pr/A	MP						
37	ACCENT	75	DF	.031	lb ai/A	MP	87	97	90	100	87	0
37	BANVEL	4	EC	.125	lb ai/A	MP						
37	X-77			.25	% v/v	MP						
37	LIQUID N		L	2	qt pr/A	MP						
38	PEAK	57	WG	.009	lb ai/A	MP	63	63	87	87	87	0
38	X-77			.25	% v/v	MP						
38	LIQUID N		L	2	qt pr/A	MP						

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Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU	ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	SETFA CONTROL	SOLPT CONTROL	XANST CONTROL	CHEAL CONTROL	PHBPU CONTROL	ZEAMX INJURY
39	EXCEED		W	.036	lb ai/A	MP	60	97	90	97	93	0
39	X-77			.25	% v/v	MP						
39	LIQUID N		L	2	qt pr/A	MP						
40	PERMIT		DF	.031	lb ai/A	MP	53	57	83	67	80	0
40	X-77			.25	% v/v	MP						
40	LIQUID N		L	2	qt pr/A	MP						
41	BROADSTRIKE PO	84.3	WG	.21	lb ai/A	MP	53	93	97	100	93	0
41	X-77			.25	% v/v	MP						
41	LIQUID N		L	2	qt pr/A	MP						
42	CHECK						0	0	0	0	0	0
	LSD (P=.05)						11.7	17.9	10.3	9.9	7.1	0.0
	Standard Deviation						7.1	11.0	6.3	6.0	4.4	0.0
	CV						8.61	12.73	7.23	6.36	4.95	.

CORN POSTEMERGENCE III

Project Code:C5015  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Grow	SETFA	SOLPT	XANST	CHEAL	PHBPU
					Stg	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
						8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
						P	P	P	P	P
						0	0	0	0	0
1	BASIS	75	DF	.016 lb ai/A	LEP	90	50	87	97	87
1	X-77			.25 $\frac{1}{2}$ v/v	LEP					
1	LIQUID N		L	2 qt pr/A	LEP					
2	BASIS	75	DF	.016 lb ai/A	LEP	73	77	90	100	87
2	BANVEL	4	EC	.125 lb ai/A	LEP					
2	X-77			.25 $\frac{1}{2}$ v/v	LEP					
2	LIQUID N		L	2 qt pr/A	LEP					
3	BASIS	75	DF	.016 lb ai/A	LEP	77	93	90	97	87
3	BANVEL	4	EC	.25 lb ai/A	LEP					
3	X-77			.25 $\frac{1}{2}$ v/v	LEP					
3	LIQUID N		L	2 qt pr/A	LEP					
4	BASIS	75	DF	.016 lb ai/A	LEP	80	100	90	100	93
4	BANVEL	4	EC	.5 lb ai/A	LEP					
4	X-77			.25 $\frac{1}{2}$ v/v	LEP					
4	LIQUID N		L	2 qt pr/A	LEP					
5	BASIS	75	DF	.016 lb ai/A	LEP	77	100	80	100	90
5	AATREX	4	L	.5 lb ai/A	LEP					
5	X-77			.25 $\frac{1}{2}$ v/v	LEP					
5	LIQUID N		L	2 qt pr/A	LEP					
6	BASIS	75	DF	.016 lb ai/A	LEP	90	100	90	100	93
6	AATREX	4	L	.75 lb ai/A	LEP					
6	X-77			.25 $\frac{1}{2}$ v/v	LEP					
6	LIQUID N		L	2 qt pr/A	LEP					
7	BASIS	75	DF	.016 lb ai/A	LEP	90	100	97	100	100
7	AATREX	4	L	1 lb ai/A	LEP					
7	X-77			.25 $\frac{1}{2}$ v/v	LEP					
7	LIQUID N		L	2 qt pr/A	LEP					
8	BASIS	75	DF	.016 lb ai/A	LEP	87	100	87	100	97
8	AATREX	4	L	1.5 lb ai/A	LEP					
8	X-77			.25 $\frac{1}{2}$ v/v	LEP					
8	LIQUID N		L	2 qt pr/A	LEP					
9	BASIS	75	DF	.016 lb ai/A	LEP	87	80	87	100	90
9	WEEDONE 538	2.80	EC	.25 lb ai/A	LEP					
9	X-77			.25 $\frac{1}{2}$ v/v	LEP					
9	LIQUID N		L	2 qt pr/A	LEP					

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Weed Science Field Research

Weed/Crop Code	SETFA	SOLPT	XANST	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	SETFA CONTROL PERCENT	SOLPT CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	PHBPU CONTROL PERCENT
10	BASIS	75	DF	.016	lb ai/A	LEP	87	90	90	97	90
10	AATREX	4	L	.5	lb ai/A	LEP					
10	COC		L	1	qt pr/A	LEP					
10	LIQUID N		L	2	qt pr/A	LEP					
11	BASIS	75	DF	.016	lb ai/A	LEP	90	100	87	100	97
11	AATREX	4	L	.75	lb ai/A	LEP					
11	COC		L	1	qt pr/A	LEP					
11	LIQUID N		L	2	qt pr/A	LEP					
12	BASIS	75	DF	.016	lb ai/A	LEP	100	100	97	100	100
12	AATREX	4	L	1	lb ai/A	LEP					
12	COC		L	1	qt pr/A	LEP					
12	LIQUID N		L	2	qt pr/A	LEP					
13	BASIS	75	DF	.016	lb ai/A	LEP	90	100	97	100	97
13	AATREX	4	L	1.5	lb ai/A	LEP					
13	COC		L	1	qt pr/A	LEP					
13	LIQUID N		L	2	qt pr/A	LEP					
14	BASIS	75	DF	.016	lb ai/A	LEP	77	100	90	100	87
14	MARKSMAN	3.2	EC	.4	lb ai/A	LEP					
14	X-77			.25	% v/v	LEP					
14	LIQUID N		L	2	qt pr/A	LEP					
15	BASIS	75	DF	.016	lb ai/A	LEP	87	100	90	100	90
15	MARKSMAN	3.2	EC	.8	lb ai/A	LEP					
15	X-77			.25	% v/v	LEP					
15	LIQUID N		L	2	qt pr/A	LEP					
16	BASIS	75	DF	.016	lb ai/A	LEP	97	93	87	100	83
16	BANVEL	4	EC	.125	lb ai/A	LEP					
16	PROWL	3.3	EC	.41	lb ai/A	LEP					
16	X-77			.25	% v/v	LEP					
16	LIQUID N		L	2	qt pr/A	LEP					
17	BASIS	75	DF	.016	lb ai/A	LEP	90	97	90	100	87
17	BANVEL	4	EC	.25	lb ai/A	LEP					
17	PROWL	3.3	EC	.41	lb ai/A	LEP					
17	X-77			.25	% v/v	LEP					
17	LIQUID N		L	2	qt pr/A	LEP					
18	BASIS	75	DF	.016	lb ai/A	LEP	90	100	87	100	90
18	BANVEL	4	EC	.25	lb ai/A	LEP					
18	PROWL	3.3	EC	.41	lb ai/A	LEP					
18	COC		L	1	qt pr/A	LEP					
18	LIQUID N		L	2	qt pr/A	LEP					

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Weed Science Field Research

Weed/Crop Code		SETFA		SOLPT		XANST		CHEAL		PHBPU	
Rating Data Type		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL	
Rating Unit		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT	
Trt-Eval Interval		8 WEEK		8 WEEK		8 WEEK		8 WEEK		8 WEEK	
PRM Data Type		P		P		P		P		P	
Decimals Printed		0		0		0		0		0	
Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow					
						Stg					
19	DUAL II	7.8	EC	2	lb ai/A	PRE	97	100	90	97	90
19	BANVEL	4	EC	.125	lb ai/A	LEP					
19	X-77			.25	% v/v	LEP					
19	LIQUID N		L	2	qt pr/A	LEP					
20	DUAL II	7.8	EC	2	lb ai/A	PRE	97	100	90	100	93
20	BANVEL	4	EC	.25	lb ai/A	LEP					
20	X-77			.25	% v/v	LEP					
20	LIQUID N		L	2	qt pr/A	LEP					
21	DUAL II	7.8	EC	2	lb ai/A	PRE	97	100	93	100	90
21	BANVEL	4	EC	.5	lb ai/A	LEP					
21	X-77			.25	% v/v	LEP					
21	LIQUID N		L	2	qt pr/A	LEP					
22	DUAL II	7.8	EC	2	lb ai/A	PRE	100	87	73	100	97
22	AATREX	4	L	1	lb ai/A	LEP					
22	X-77			.25	% v/v	LEP					
22	LIQUID N		L	2	qt pr/A	LEP					
23	ACCENT	75	DF	.031	lb ai/A	MP	90	60	67	90	90
23	X-77			.25	% v/v	MP					
23	LIQUID N		L	2	qt pr/A	MP					
24	ACCENT	75	DF	.063	lb ai/A	MP	90	73	83	97	90
24	X-77			.25	% v/v	MP					
24	LIQUID N		L	2	qt pr/A	MP					
25	ACCENT	75	DF	.031	lb ai/A	MP	87	57	87	97	90
25	PEAK	57	WG	.004	lb ai/A	MP					
25	X-77			.25	% v/v	MP					
25	LIQUID N		L	2	qt pr/A	MP					
26	ACCENT	75	DF	.031	lb ai/A	MP	83	70	90	97	90
26	PEAK	57	WG	.009	lb ai/A	MP					
26	X-77			.25	% v/v	MP					
26	LIQUID N		L	2	qt pr/A	MP					
27	ACCENT	75	DF	.063	lb ai/A	MP	93	93	90	100	90
27	PEAK	57	WG	.018	lb ai/A	MP					
27	X-77			.25	% v/v	MP					
27	LIQUID N		L	2	qt pr/A	MP					
28	ACCENT	75	DF	.031	lb ai/A	MP	87	97	97	100	93
28	EXCEED	57	W	.019	lb ai/A	MP					
28	X-77			.25	% v/v	MP					
28	LIQUID N		L	2	qt pr/A	MP					

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Weed Science Field Research

Weed/Crop Code		SETFA		SOLPT		XANST		CHEAL		PHBPU	
Rating Data Type		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL	
Rating Unit		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT	
Trt-Eval Interval		8 WEEK		8 WEEK		8 WEEK		8 WEEK		8 WEEK	
PRM Data Type		P		P		P		P		P	
Decimals Printed		0		0		0		0		0	
Trt No	Treatment	Form	Fm	Rate	Unit	Grow					
No	Name	Ant	Ds	Rate	Unit	Stg					
29	ACCENT	75	DF	.031	lb ai/A	MP	90	100	97	100	90
29	EXCEED	57	W	.036	lb ai/A	MP					
29	X-77			.25	% v/v	MP					
29	LIQUID N		L	2	qt pr/A	MP					
30	ACCENT	75	DF	.031	lb ai/A	MP	90	100	97	100	93
30	EXCEED	57	W	.07	lb ai/A	MP					
30	X-77			.25	% v/v	MP					
30	LIQUID N		L	2	qt pr/A	MP					
31	ACCENT	75	DF	.031	lb ai/A	MP	87	67	97	100	90
31	PERMIT	75	DF	.016	lb ai/A	MP					
31	X-77			.25	% v/v	MP					
31	LIQUID N		L	2	qt pr/A	MP					
32	ACCENT	75	DF	.031	lb ai/A	MP	87	67	97	93	90
32	PERMIT	75	DF	.031	lb ai/A	MP					
32	X-77			.25	% v/v	MP					
32	LIQUID N		L	2	qt pr/A	MP					
33	ACCENT	75	DF	.063	lb ai/A	MP	87	73	97	93	90
33	PERMIT	75	DF	.063	lb ai/A	MP					
33	X-77			.25	% v/v	MP					
33	LIQUID N		L	2	qt pr/A	MP					
34	ACCENT	75	DF	.031	lb ai/A	MP	73	87	90	90	80
34	BROADSTRIKE PO	84.3	WG	.11	lb ai/A	MP					
34	X-77			.25	% v/v	MP					
34	LIQUID N		L	2	qt pr/A	MP					
35	ACCENT	75	DF	.031	lb ai/A	MP	87	97	90	100	90
35	BROADSTRIKE PO	84.3	WG	.21	lb ai/A	MP					
35	X-77			.25	% v/v	MP					
35	LIQUID N		L	2	qt pr/A	MP					
36	ACCENT	75	DF	.063	lb ai/A	MP	87	100	90	100	90
36	BROADSTRIKE PO	84.3	WG	.42	lb ai/A	MP					
36	X-77			.25	% v/v	MP					
36	LIQUID N		L	2	qt pr/A	MP					
37	ACCENT	75	DF	.031	lb ai/A	MP	87	97	90	100	87
37	BANVEL	4	EC	.125	lb ai/A	MP					
37	X-77			.25	% v/v	MP					
37	LIQUID N		L	2	qt pr/A	MP					
38	PEAK	57	WG	.009	lb ai/A	MP	63	63	87	87	87
38	X-77			.25	% v/v	MP					
38	LIQUID N		L	2	qt pr/A	MP					

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code		SETFA	SOLPT	XANST	CHEAL	PHBPU		
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Trt-Eval Interval		8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK		
PRM Data Type		P	P	P	P	P		
Decimals Printed		0	0	0	0	0		
Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg		
39	EXCEED	57	W	.036	lb ai/A	MP		
39	X-77			.25	% v/v	MP		
39	LIQUID N		L	2	qt pr/A	MP		
40	PERMIT	75	DF	.031	lb ai/A	MP		
40	X-77			.25	% v/v	MP		
40	LIQUID N		L	2	qt pr/A	MP		
41	BROADSTRIKE PO	84.3	WG	.21	lb ai/A	MP		
41	X-77			.25	% v/v	MP		
41	LIQUID N		L	2	qt pr/A	MP		
42	CHECK							
LSD (P=.05)				11.7	17.9	10.3	9.9	7.1
Standard Deviation				7.1	11.0	6.3	6.0	4.4
CV				8.61	12.73	7.23	6.36	4.95

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CORN POSTEMERGENCE III

Project Code: C5015  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROWS  
Soil Temp., Unit: 67 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL

Variety: PIONEER 3140  
Rate, Unit: 24,000  
Soil Moisture: HIGH  
Plot Length, Unit: 44 , FT  
Study Design: RCB

Planting Date: 10-5-95  
Depth, Unit: 1.5 , "  
Row Spacing, Unit: 30 , "  
Emergence Date: 17-5-95  
Reps: 3  
Ground Cover: 10%

Soil Description

Texture: SILT LOAM  
pH: 6.2 CEC: 20  
Soil Name: MAURY  
Fertility Level: HIGH

% OM: 3.3  
% Sand: 7.5  
% Silt: 67.4  
% Clay: 24.1

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	25-5-95	26-5-95				
Time of Day:	1 PM	10 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	LEP	MP				
Air Temp., Unit:	80 ,F	70 ,F				
% Relative Humidity:	50	60				
Wind Velocity, Unit:	4 ,MPH	4 ,MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	68 ,F	67 ,F				
Soil Moisture:	HIGH	GOOD				
% Cloud Cover:	10	99				
Weed Species	Weed Stage, Density at Application					
XANST	2-3"	3-4"				
CHEAL	2-3"	3-4"				
SETFA	2-3"	3-4"				
SOLPT	1-2"	3-4"				
AMACH	2-3"	2-3"				

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30



CORN POSTEMERGENCE IV

Project Code:C5016  
Cooperator :

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	ABUTH	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	ABUTH	CHEAL	PHBPU
1	HARNESSEXTRA	6	F	3.5	lb ai/A	EP	100	90	3	100	90	100	97	100
2	HARNESSEXTRA	6	F	3	lb ai/A	EP	100	93	13	100	97	100	97	100
2	AATREX	4	L	1	lb ai/A	EP								
3	MON 8434	6	F	3.22	lb ai/A	EP	100	97	3	100	97	100	97	100
4	BULLET	4	F	4	lb ai/A	EP	100	97	0	100	97	100	97	100
5	HARNESSEXTRA	6	F	3.5	lb ai/A	EP	100	93	20	100	93	100	97	100
5	LIQUID N		L	40	gal pr/A	EP								
6	HARNESSEXTRA	6	F	3	lb ai/A	EP	100	97	27	100	100	100	100	100
6	AATREX	4	L	1	lb ai/A	EP								
6	LIQUID N		L	40	gal pr/A	EP								
7	MON 8434	6	F	3.22	lb ai/A	EP	100	93	23	100	93	100	100	100
7	LIQUID N		L	40	gal pr/A	EP								
8	BULLET	4	F	4	lb ai/A	EP	100	97	7	100	97	100	100	100
8	LIQUID N		L	40	gal pr/A	EP								
9	HARNESSEXTRA	6	F	3.5	lb ai/A	MP	90	90	0	90	87	100	97	97
10	HARNESSEXTRA	6	F	3	lb ai/A	MP	97	97	7	97	97	100	100	100
10	AATREX	4	L	1	lb ai/A	MP								
11	MON 8434	6	F	3.22	lb ai/A	MP	93	93	0	93	87	100	100	100
12	BULLET	4	F	4	lb ai/A	MP	87	87	0	87	83	97	100	100
13	HARNESSEXTRA	6	F	3.5	lb ai/A	MP	93	97	17	93	97	100	97	100
13	LIQUID N		L	40	gal pr/A	MP								
14	HARNESSEXTRA	6	F	3	lb ai/A	MP	100	97	20	100	97	100	100	100
14	AATREX	4	L	1	lb ai/A	MP								
14	LIQUID N		L	40	gal pr/A	MP								
15	MON 8434	6	F	3.22	lb ai/A	MP	93	100	17	93	97	100	97	100
15	LIQUID N		L	40	gal pr/A	MP								
16	BULLET	4	F	4	lb ai/A	MP	90	97	0	90	97	100	100	100
16	LIQUID N		L	40	gal pr/A	MP								
LSD (P=.05)							5.5	8.9	8.2	5.5	10.2	2.4	6.9	2.4
Standard Deviation							3.3	5.4	4.9	3.3	6.1	1.4	4.1	1.4
CV							3.43	5.67	50.06	3.43	6.49	1.45	4.22	1.45

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CORN POSTEMERGENCE IV

Project Code:C5016  
Cooperator :

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	ABUTH	CHEAL	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	ABUTH	CHEAL	PHBPU
		Amt	Ds	Rate	Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	HARNESS EXTRA	6	F	3.5	lb ai/A	EP	0	100	87	100	97	100
2	HARNESS EXTRA	6	F	3	lb ai/A	EP	0	100	97	100	97	100
2	AATREX	4	L	1	lb ai/A	EP						
3	MON 8434	6	F	3.22	lb ai/A	EP	0	100	93	100	97	97
4	BULLET	4	F	4	lb ai/A	EP	0	100	93	100	97	97
5	HARNESS EXTRA	6	F	3.5	lb ai/A	EP	0	100	90	100	97	100
5	LIQUID N		L	40	gal pr/A	EP						
6	HARNESS EXTRA	6	F	3	lb ai/A	EP	0	100	97	100	100	100
6	AATREX	4	L	1	lb ai/A	EP						
6	LIQUID N		L	40	gal pr/A	EP						
7	MON 8434	6	F	3.22	lb ai/A	EP	0	100	93	100	100	100
7	LIQUID N		L	40	gal pr/A	EP						
8	BULLET	4	F	4	lb ai/A	EP	0	100	97	100	100	100
8	LIQUID N		L	40	gal pr/A	EP						
9	HARNESS EXTRA	6	F	3.5	lb ai/A	MP	0	87	83	100	97	97
10	HARNESS EXTRA	6	F	3	lb ai/A	MP	0	93	93	97	100	100
10	AATREX	4	L	1	lb ai/A	MP						
11	MON 8434	6	F	3.22	lb ai/A	MP	0	90	80	100	100	100
12	BULLET	4	F	4	lb ai/A	MP	0	80	80	97	100	100
13	HARNESS EXTRA	6	F	3.5	lb ai/A	MP	0	93	93	100	97	100
13	LIQUID N		L	40	gal pr/A	MP						
14	HARNESS EXTRA	6	F	3	lb ai/A	MP	0	97	97	100	100	100
14	AATREX	4	L	1	lb ai/A	MP						
14	LIQUID N		L	40	gal pr/A	MP						
15	MON 8434	6	F	3.22	lb ai/A	MP	0	93	97	100	97	100
15	LIQUID N		L	40	gal pr/A	MP						
16	BULLET	4	F	4	lb ai/A	MP	0	87	97	100	100	100
16	LIQUID N		L	40	gal pr/A	MP						
LSD (P=.05)							0.0	8.5	11.1	3.5	6.9	3.9
Standard Deviation							0.0	5.1	6.7	2.1	4.1	2.3
CV							.	5.39	7.28	2.08	4.22	2.34

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CORN POSTEMERGENCE V

Project Code:C5017  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU
1	HARNES	7	EC	2 lb	ai/A	PRE	100	87	0	100	100	87	83
1	PERMIT	75	DF	.031 lb	ai/A	8"C							
1	X-77			.25 %	v/v	8"C							
2	HARNES	7	EC	2 lb	ai/A	PRE	100	90	0	100	100	100	90
2	PERMIT	75	DF	.031 lb	ai/A	8"C							
2	CLARITY	4	EC	.06 lb	ai/A	8"C							
2	X-77			.25 %	v/v	8"C							
3	HARNES	7	EC	2 lb	ai/A	PRE	100	90	0	100	100	100	90
3	PERMIT	75	DF	.031 lb	ai/A	8"C							
3	CLARITY	4	EC	.12 lb	ai/A	8"C							
3	X-77			.25 %	v/v	8"C							
4	HARNES	7	EC	2 lb	ai/A	PRE	100	93	0	100	100	97	93
4	PERMIT	75	DF	.031 lb	ai/A	8"C							
4	WEEDONE 638	2.80	EC	.06 lb	ai/A	8"C							
4	X-77			.25 %	v/v	8"C							
5	HARNES	7	EC	2 lb	ai/A	PRE	100	100	0	100	100	100	100
5	PERMIT	75	DF	.031 lb	ai/A	8"C							
5	WEEDONE 638	2.80	EC	.12 lb	ai/A	8"C							
5	X-77			.25 %	v/v	8"C							
6	HARNES	7	EC	2 lb	ai/A	PRE	100	90	0	100	100	93	90
6	PERMIT	75	DF	.016 lb	ai/A	8"C							
6	ACCENT	75	DF	.016 lb	ai/A	8"C							
6	X-77			.25 %	v/v	8"C							
7	HARNES	7	EC	2 lb	ai/A	PRE	100	90	0	100	100	90	90
7	PERMIT	75	DF	.031 lb	ai/A	8"C							
7	ACCENT	75	DF	.016 lb	ai/A	8"C							
7	X-77			.25 %	v/v	8"C							
8	HARNES	7	EC	2 lb	ai/A	PRE	97	90	0	97	100	93	87
8	PERMIT	75	DF	.016 lb	ai/A	8"C							
8	BEACON	75	DF	.018 lb	ai/A	8"C							
8	X-77			.25 %	v/v	8"C							
9	HARNES	7	EC	2 lb	ai/A	PRE	100	90	0	100	100	97	90
9	PERMIT	75	DF	.031 lb	ai/A	8"C							
9	BEACON	75	DF	.018 lb	ai/A	8"C							
9	X-77			.25 %	v/v	8"C							

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Weed Science Field Research

Weed/Crop Code		GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU			
Rating Data Type		CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Trt-Eval Interval		4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK			
PRM Data Type		P	P	P	P	P	P	P			
Decimals Printed		0	0	0	0	0	0	0			
Trt No	Treatment	Form	Fm	Rate	Grow						
	Name	Amt	Ds	Unit	Stg						
10	HARNESS	7	EC	2 lb ai/A	PRE	100	100	0	100	100	100
10	PERMIT	75	DF	.016 lb ai/A	8"C						
10	AATREX	4	L	1 lb ai/A	8"C						
10	X-77			.25 % v/v	8"C						
11	HARNESS	7	EC	2 lb ai/A	PRE	100	100	0	100	100	100
11	PERMIT	75	DF	.031 lb ai/A	8"C						
11	AATREX	4	L	1 lb ai/A	8"C						
11	X-77			.25 % v/v	8"C						
12	HARNESS	7	EC	2 lb ai/A	PRE	100	90	0	100	93	100
12	ACCENT	75	DF	.016 lb ai/A	8"C						
12	BEACON	75	DF	.018 lb ai/A	8"C						
12	X-77			.25 % v/v	8"C						
13	HARNESS EXTRA	6	F	3.5 lb ai/A	PRE	100	97	0	100	97	100
13	PERMIT	75	DF	.031 lb ai/A	8"C						
13	X-77			.25 % v/v	8"C						
14	FRONTIER	7.5	EC	1.25 lb ai/A	PRE	100	100	13	100	100	100
14	MARKSMAN	3.2	EC	1.4 lb ai/A	8"C						
15	DUAL II	7.8	EC	1.95 lb ai/A	PRE	100	97	0	100	100	97
15	EXCEED	57	W	.036 lb ai/A	8"C						
15	X-77			.25 % v/v	8"C						
15	ACCENT	75	DF	.016 lb ai/A	8"C						
16	DUAL II	7.8	EC	1.95 lb ai/A	PRE	100	90	0	100	97	90
16	EXCEED	57	W	.036 lb ai/A	8"C						
16	X-77			.25 % v/v	8"C						
17	DUAL II	7.8	EC	1.95 lb ai/A	PRE	93	90	7	93	87	100
17	SENCOR	75	DF	.094 lb ai/A	MP						
17	BUCTRIL GEL	4	E	.25 lb ai/A	MP						
18	DUAL II	7.8	EC	1.95 lb ai/A	PRE	100	90	0	100	97	93
18	BUCTRIL GEL	4	E	.5 lb ai/A	14"C						
19	DUAL II	7.8	EC	1.95 lb ai/A	PRE	100	100	0	100	100	100
19	BUCTRIL GEL	4	E	.25 lb ai/A	10"C						
19	AATREX	4	L	.5 lb ai/A	10"C						
20	DUAL II	7.8	EC	1.95 lb ai/A	PRE	100	90	17	100	97	100
20	BUCTRIL GEL	4	E	.25 lb ai/A	10"C						
20	SENCOR	75	DF	.2 lb ai/A	10"C						
21	DUAL II	7.8	EC	1.95 lb ai/A	PRE	93	90	0	93	93	97
21	BUCTRIL GEL	4	E	.188 lb ai/A	MP						
21	EXCEED	57	W	.009 lb ai/A	MP						

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU
22	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	90	0	100	90	100	93
22	BUCTRIL GEL	4	E	.25	lb ai/A	MP							
22	EXCEED	57	W	.009	lb ai/A	MP							
23	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	90	0	97	90	97	90
23	BUCTRIL GEL	4	E	.188	lb ai/A	MP							
23	EXCEED	57	W	.018	lb ai/A	MP							
24	DUAL II	7.8	EC	1.95	lb ai/A	PRE	93	90	0	93	93	100	93
24	BUCTRIL GEL	4	E	.25	lb ai/A	MP							
24	EXCEED	57	W	.018	lb ai/A	MP							
25	DUAL II	7.8	EC	1.95	lb ai/A	PRE	90	90	0	90	93	97	90
25	BUCTRIL GEL	4	E	.25	lb ai/A	MP							
25	PERMIT	75	DF	.008	lb ai/A	MP							
26	DUAL II	7.8	EC	1.95	lb ai/A	PRE	93	90	0	93	100	97	87
26	BUCTRIL GEL	4	E	.188	lb ai/A	MP							
26	PERMIT	75	DF	.016	lb ai/A	MP							
LSD (P=.05)							6.0	3.8	3.2	6.0	5.6	6.0	5.9
Standard Deviation							3.7	2.3	1.9	3.7	3.4	3.6	3.6
CV							3.71	2.49	138.13	3.71	3.46	3.73	3.85

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CORN POSTEMERGENCE V

Project Code: C5017

Location : LEXINGTON, KY.

Cooperator :

By: C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow						
		Amt	Ds	Rate	Unit	Stg					
1	HARNES	7	EC	2 lb ai/A	PRE		0	97	100	80	73
1	PERMIT	75	DF	.031 lb ai/A	8"C						
1	X-77			.25 % v/v	8"C						
2	HARNES	7	EC	2 lb ai/A	PRE		0	93	97	100	87
2	PERMIT	75	DF	.031 lb ai/A	8"C						
2	CLARITY	4	EC	.06 lb ai/A	8"C						
2	X-77			.25 % v/v	8"C						
3	HARNES	7	EC	2 lb ai/A	PRE		0	100	100	100	90
3	PERMIT	75	DF	.031 lb ai/A	8"C						
3	CLARITY	4	EC	.12 lb ai/A	8"C						
3	X-77			.25 % v/v	8"C						
4	HARNES	7	EC	2 lb ai/A	PRE		0	97	100	97	90
4	PERMIT	75	DF	.031 lb ai/A	8"C						
4	WEEDONE 638	2.80	EC	.06 lb ai/A	8"C						
4	X-77			.25 % v/v	8"C						
5	HARNES	7	EC	2 lb ai/A	PRE		0	97	97	100	90
5	PERMIT	75	DF	.031 lb ai/A	8"C						
5	WEEDONE 638	2.80	EC	.12 lb ai/A	8"C						
5	X-77			.25 % v/v	8"C						
6	HARNES	7	EC	2 lb ai/A	PRE		0	100	97	90	87
6	PERMIT	75	DF	.016 lb ai/A	8"C						
6	ACCENT	75	DF	.016 lb ai/A	8"C						
6	X-77			.25 % v/v	8"C						
7	HARNES	7	EC	2 lb ai/A	PRE		0	100	100	87	90
7	PERMIT	75	DF	.031 lb ai/A	8"C						
7	ACCENT	75	DF	.016 lb ai/A	8"C						
7	X-77			.25 % v/v	8"C						
8	HARNES	7	EC	2 lb ai/A	PRE		0	97	97	93	80
8	PERMIT	75	DF	.016 lb ai/A	8"C						
8	BEACON	75	DF	.018 lb ai/A	8"C						
8	X-77			.25 % v/v	8"C						
9	HARNES	7	EC	2 lb ai/A	PRE		0	97	97	87	80
9	PERMIT	75	DF	.031 lb ai/A	8"C						
9	BEACON	75	DF	.018 lb ai/A	8"C						
9	X-77			.25 % v/v	8"C						

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Weed/Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	PRM Data Type	Decimals Printed	ZEAMX INJURY PERCENT 8 WEEK P 0	SETFA CONTROL PERCENT 8 WEEK P 0	XANST CONTROL PERCENT 8 WEEK P 0	CHEAL CONTROL PERCENT 8 WEEK P 0	PHBPU CONTROL PERCENT 8 WEEK P 0
10	HARNES	7 EC	2 lb ai/A	PRE		0	100	100	100	90
10	PERMIT	75 DF	.016 lb ai/A	8"C						
10	AATREX	4 L	1 lb ai/A	8"C						
10	X-77		.25 % v/v	8"C						
11	HARNES	7 EC	2 lb ai/A	PRE		0	100	100	100	90
11	PERMIT	75 DF	.031 lb ai/A	8"C						
11	AATREX	4 L	1 lb ai/A	8"C						
11	X-77		.25 % v/v	8"C						
12	HARNES	7 EC	2 lb ai/A	PRE		0	100	93	93	87
12	ACCENT	75 DF	.016 lb ai/A	8"C						
12	BEACON	75 DF	.018 lb ai/A	8"C						
12	X-77		.25 % v/v	8"C						
13	HARNES EXTRA	6 F	3.5 lb ai/A	PRE		0	97	90	100	90
13	PERMIT	75 DF	.031 lb ai/A	8"C						
13	X-77		.25 % v/v	8"C						
14	FRONTIER	7.5 EC	1.25 lb ai/A	PRE		0	100	100	100	90
14	MARKSMAN	3.2 EC	1.4 lb ai/A	8"C						
15	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	97	97	93	90
15	EXCEED	57 W	.036 lb ai/A	8"C						
15	X-77		.25 % v/v	8"C						
15	ACCENT	75 DF	.016 lb ai/A	8"C						
16	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	97	97	83	90
16	EXCEED	57 W	.036 lb ai/A	8"C						
16	X-77		.25 % v/v	8"C						
17	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	90	77	100	77
17	SENCOR	75 DF	.094 lb ai/A	MP						
17	BUCTRIL GEL	4 E	.25 lb ai/A	MP						
18	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	90	93	90	83
18	BUCTRIL GEL	4 E	.5 lb ai/A	14"C						
19	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	97	93	100	90
19	BUCTRIL GEL	4 E	.25 lb ai/A	10"C						
19	AATREX	4 L	.5 lb ai/A	10"C						
20	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	97	90	100	80
20	BUCTRIL GEL	4 E	.25 lb ai/A	10"C						
20	SENCOR	75 DF	.2 lb ai/A	10"C						
21	DUAL II	7.8 EC	1.95 lb ai/A	PRE		0	90	90	97	87
21	BUCTRIL GEL	4 E	.188 lb ai/A	MP						
21	EXCEED	57 W	.009 lb ai/A	MP						



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code		ZEAMX		SETFA		XANST		CHEAL		PHBPU	
Rating Data Type		INJURY		CONTROL		CONTROL		CONTROL		CONTROL	
Rating Unit		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT	
Trt-Eval Interval		8 WEEK		8 WEEK		8 WEEK		8 WEEK		8 WEEK	
PRM Data Type		P		P		P		P		P	
Decimals Printed		0		0		0		0		0	
Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg					
22	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	97	80	100	87
22	BUCTRIL GEL	4	E	.25	lb ai/A	MP					
22	EXCEED	57	W	.009	lb ai/A	MP					
23	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	87	90	87
23	BUCTRIL GEL	4	E	.188	lb ai/A	MP					
23	EXCEED	57	W	.018	lb ai/A	MP					
24	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	90	90	87
24	BUCTRIL GEL	4	E	.25	lb ai/A	MP					
24	EXCEED	57	W	.018	lb ai/A	MP					
25	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	87	87	97	80
25	BUCTRIL GEL	4	E	.25	lb ai/A	MP					
25	PERMIT	75	DF	.008	lb ai/A	MP					
26	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	93	90	93	83
26	BUCTRIL GEL	4	E	.188	lb ai/A	MP					
26	PERMIT	75	DF	.016	lb ai/A	MP					
LSD (P=.05)							0.0	10.4	9.0	11.1	6.9
Standard Deviation							0.0	6.3	5.5	6.7	4.2
CV							.	6.57	5.83	7.1	4.9

19-9-95 (C5017)

Site Description

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE V

Project Code: C5017  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROW  
Soil Temp., Unit: 65 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED, AND CULTIVATED  
Variety: PIONEER 3140  
Rate, Unit: 24,500, TH  
Row Spacing, Unit: 30 , IN  
Soil Moisture: HIGH  
Plot Length, Unit: 44 , FT  
Study Design: RCB  
Emergence Date: 10-5-95  
Depth, Unit: 1.5 , IN  
Emergence Date: 17-5-95  
Reps: 3  
Ground Cover: 10%

Soil Description

Texture: SILT LOAM  
pH: 6.2 CEC: 17  
% OM: 3.2  
Soil Name: MAURY  
% Sand: 7.5  
Fertility Level: HIGH  
% Silt: 68.6  
% Clay: 23.9

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 10-5-95 30-5-95 2-6-95 4-6-95 6-6-95  
Time of Day: 2 PM 11 AM 1 PM 1 PM 2 PM  
Application Method: BROADCAST BROADCAST BROADCAST BROADCAST BROADCAST  
Application Timing: PRE MP 8"C 10"C 14"C  
Air Temp., Unit: 70 ,F 71 ,F 69 ,F 69 ,F 74 ,F  
% Relative Humidity: 50 40 73 77 80  
Wind Velocity, Unit: 4 ,MPH 4 ,MPH 4 ,MPH 3.1 ,MPH 2 ,MPH  
Dew Presence (Y/N): N N N N N  
Soil Temp., Unit: 70 ,F 75 ,F 70 ,F 74 ,F 74 ,F  
Soil Moisture: HIGH HIGH GOOD GOOD GOOD  
% Cloud Cover: 90 30 40 20 20  
Weed Species Weed Stage, Density at Application  
SETFA 2-3L,2-3" 3-4L,3-4" 3-5L,3-5" 4-6L,4-5"  
XANST 2-3L,3-4" 3-5L,4-5" 3-6L,4-6" 4-6L,5-6"  
PHBPU 1-2L,2-3" 1-3L,2-4" 2-4L,3-5" 3-5L,4-6"  
CHEAL 1-2L,1-2" 2-3L,1-3" 2-4L,2-4" 3-4L,3-5"

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
D. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
E. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

CORN POSTEMERGENCE VI

Project Code: C5019  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
1	BEACON	75	DF	.036	lb ai/A	MP	50	57	0	47	90	40	47	90
1	COC	L		1	qt pr/A	MP								
2	BEACON	75	DF	.018	lb ai/A	MP	80	67	0	80	87	53	73	83
2	ACCENT	75	DF	.016	lb ai/A	MP								
2	COC	L		1	qt pr/A	MP								
3	ACCENT	75	DF	.031	lb ai/A	MP	100	50	3	100	47	63	63	70
3	COC	L		1	qt pr/A	MP								
4	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	80	3	97	90	97	77	77
4	BEACON	75	DF	.018	lb ai/A	MP								
4	BANVEL	4	EC	.25	lb ai/A	MP								
4	X-77			.25	% v/v	MP								
5	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	63	0	100	67	87	60	77
5	BEACON	75	DF	.018	lb ai/A	MP								
5	BANVEL	4	EC	.125	lb ai/A	MP								
5	X-77			.25	% v/v	MP								
6	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	77	0	97	87	90	63	80
6	BEACON	75	DF	.018	lb ai/A	MP								
6	BUCTRIL GEL	4	E	.25	lb ai/A	MP								
6	X-77			.25	% v/v	MP								
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	70	0	100	90	73	70	73
7	BEACON	75	DF	.018	lb ai/A	MP								
7	ACCENT	75	DF	.016	lb ai/A	MP								
7	X-77			.25	% v/v	MP								
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	70	0	100	90	67	43	90
8	BEACON	75	DF	.018	lb ai/A	MP								
8	X-77			.25	% v/v	MP								
9	DUAL II	7.8	EC	1.95	lb ai/A	PRE	90	67	0	90	83	83	70	80
9	EXCEED	57	W	.036	lb ai/A	MP								
9	X-77			.25	% v/v	MP								
10	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	80	0	100	93	77	87	90
10	EXCEED	57	W	.036	lb ai/A	MP								
10	COC	L		1	qt pr/A	MP								
11	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	90	0	100	93	100	93	100
11	MARKSMAN	3.2	EC	1.4	lb ai/A	MP								

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
12	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	43	0	100	43	47	67	73
12	ACTION	5	W	.0027	lb ai/A	LP									
12	X-77			.25	% v/v	LP									
13	DUAL II	7.8	EC	1.95	lb ai/A	PRE		93	57	0	93	63	47	70	87
13	ACTION	5	W	.0036	lb ai/A	LP									
13	X-77			.25	% v/v	LP									
14	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	53	0	100	60	57	80	87
14	ACTION	5	W	.0045	lb ai/A	LP									
14	X-77			.25	% v/v	LP									
15	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	70	0	97	83	70	80	77
15	ACTION	5	W	.0135	lb ai/A	LP									
15	X-77			.25	% v/v	LP									
16	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	63	0	97	73	57	60	90
16	RESOURCE	.86	EC	.027	lb ai/A	LP									
16	X-77			.25	% v/v	LP									
17	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	73	0	97	80	63	73	83
17	RESOURCE	.86	EC	.054	lb ai/A	LP									
17	X-77			.25	% v/v	LP									
18	DUAL II	7.8	EC	1.95	lb ai/A	PRE		90	77	0	90	83	80	80	80
18	RESOURCE	.86	EC	.081	lb ai/A	LP									
18	X-77			.25	% v/v	LP									
LSD (P=.05)								13.9	16.3	3.3	13.7	18.5	18.2	16.4	17.3
Standard Deviation								8.4	9.8	2.0	8.2	11.1	10.9	9.8	10.3
CV								8.92	14.56	527.2	8.77	14.27	15.68	14.06	12.53

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE VI

Project Code:C5019  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
		Amt	Ds				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	BEACON	75	DF	.036	lb ai/A	MP	0	47	90	50	33	90
1	COC		L		1 qt pr/A	MP						
2	BEACON	75	DF	.018	lb ai/A	MP	0	73	90	53	60	63
2	ACCENT	75	DF	.016	lb ai/A	MP						
2	COC		L		1 qt pr/A	MP						
3	ACCENT	75	DF	.031	lb ai/A	MP	0	97	50	47	57	67
3	COC		L		1 qt pr/A	MP						
4	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	87	90	97	73	60
4	BEACON	75	DF	.018	lb ai/A	MP						
4	BANVEL	4	EC	.25	lb ai/A	MP						
4	X-77			.25	% v/v	MP						
5	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	67	80	57	67
5	BEACON	75	DF	.018	lb ai/A	MP						
5	BANVEL	4	EC	.125	lb ai/A	MP						
5	X-77			.25	% v/v	MP						
6	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	97	87	87	40	63
6	BEACON	75	DF	.018	lb ai/A	MP						
6	BUCTRIL GEL	4	E	.25	lb ai/A	MP						
6	X-77			.25	% v/v	MP						
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	90	67	67	60
7	BEACON	75	DF	.018	lb ai/A	MP						
7	ACCENT	75	DF	.016	lb ai/A	MP						
7	X-77			.25	% v/v	MP						
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	90	60	33	77
8	BEACON	75	DF	.018	lb ai/A	MP						
8	X-77			.25	% v/v	MP						
9	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	83	90	77	70
9	EXCEED	57	W	.036	lb ai/A	MP						
9	X-77			.25	% v/v	MP						
10	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	93	77	90	80
10	EXCEED	57	W	.036	lb ai/A	MP						
10	COC		L		1 qt pr/A	MP						
11	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	93	100	90	100
11	MARKSMAN	3.2	EC	1.4	lb ai/A	MP						

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	CHEAL	PHBPU	ACCOS
12	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	97	47	50	53	73
12	ACTION	5	W	.0027	lb ai/A	LP						
12	X-77			.25	% v/v	LP						
13	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	63	43	63	80
13	ACTION	5	W	.0036	lb ai/A	LP						
13	X-77			.25	% v/v	LP						
14	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	57	57	67	80
14	ACTION	5	W	.0045	lb ai/A	LP						
14	X-77			.25	% v/v	LP						
15	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	97	77	73	67	70
15	ACTION	5	W	.0135	lb ai/A	LP						
15	X-77			.25	% v/v	LP						
16	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	97	70	47	57	87
16	RESOURCE	.86	EC	.027	lb ai/A	LP						
16	X-77			.25	% v/v	LP						
17	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	93	73	57	73	77
17	RESOURCE	.86	EC	.054	lb ai/A	LP						
17	X-77			.25	% v/v	LP						
18	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	77	80	63	70
18	RESOURCE	.86	EC	.081	lb ai/A	LP						
18	X-77			.25	% v/v	LP						
LSD (P=.05)							0.0	12.8	20.9	21.1	18.9	18.6
Standard Deviation							0.0	7.7	12.5	12.7	11.4	11.1
CV								8.34	16.29	18.8	18.26	15.04

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19-9-95 (C5019)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN POSTEMERGENCE VI

Project Code: C5019

Location : LEXINGTON, KY.

Cooperator :

By: C. H. SLACK

Site Description

Crop: CORN  
 Planting Method: ROW  
 Soil Temp., Unit: 65 , F  
 Plot Width/Area, Unit: 5 , FT  
 Tillage Type: CONVENTIONAL  
 Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED, AND FIELD CULTIVATED

Variety: PIONEER 3140  
 Rate, Unit: 24,500, TH  
 Row Spacing, Unit: 30 , IN  
 Soil Moisture: HIGH  
 Plot Length, Unit: 44 , FT  
 Study Design: RCB  
 SPRING PLOWED, DISKED, AND FIELD CULTIVATED

Planting Date: 10-5-95  
 Depth, Unit: 1.5 , IN  
 Emergence Date: 17-5-95  
 Reps: 3  
 Ground Cover: 10%

Soil Description

Texture: SILT LOAM  
 pH: 6.3 CEC: 17  
 Soil Name: MAURY

% OM: 3.2  
 % Sand: 7.5  
 % Silt: 68.6  
 % Clay: 23.9  
 Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	10-5-95	30-5-95	3-6-95			
Time of Day:	2 PM	3 PM	11 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	MP	LP			
Air Temp., Unit:	71 , F	76 , F	74 , F			
% Relative Humidity:	60	40	81			
Wind Velocity, Unit:	4 , MPH	3.5 , MPH	3 , MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	69 , F	75 , F	72 , F			
Soil Moisture:	HIGH	HIGH	GOOD			
% Cloud Cover:	20	20	60			
Weed Species	Weed Stage, Density at Application					
SETFA	1-2L,2-3" 3-4L,4-5"					
XANST	1-2L,3-4" 2-4L,4-6"					
CHEAL	1-2L,2-3" 2-4",4-5"					
PHBPU	2-3L,3-4" 3-5L,4-6"					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

00

CORN POSTEMERGENCE IR

Project Code:C5014  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	IPOHE	SIDSP	DATST	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	IPOHE	SIDSP	DATST	XANST
1	RESOLVE	75	DF	.25	lb ai/A	MP	63	93	3	63	83	93	100	100
1	X-77			.25	% v/v	MP								
1	LIQUID N		L	1	qt pr/A	MP								
2	RESOLVE	75	DF	.25	lb ai/A	MP	73	87	7	73	77	97	100	100
2	SUNIT II		L	.75	qt pr/A	MP								
2	LIQUID N		L	1	qt pr/A	MP								
3	CONTOUR	3.38	EC	.55	lb ai/A	MP	70	87	0	67	80	87	100	100
3	X-77			.25	% v/v	MP								
3	LIQUID N		L	1	qt pr/A	MP								
4	CONTOUR	3.38	EC	.55	lb ai/A	MP	80	93	20	80	83	97	97	93
4	SUNIT II		L	.75	qt pr/A	MP								
4	LIQUID N		L	1	qt pr/A	MP								
5	PROWL	3.3	EC	.825	lb ai/A	PRE	97	97	13	90	90	100	100	90
5	RESOLVE	75	DF	.25	lb ai/A	MP								
5	X-77			.25	% v/v	MP								
5	LIQUID N		L	1	qt pr/A	MP								
6	PROWL	3.3	EC	.825	lb ai/A	PRE	97	93	7	93	80	90	100	97
6	CONTOUR	3.38	EC	.55	lb ai/A	MP								
6	X-77			.25	% v/v	MP								
6	LIQUID N		L	1	qt pr/A	MP								
7	RESOLVE	75	DF	.25	lb ai/A	MP	100	87	0	100	77	87	100	100
7	ACCENT	75	DF	.0155	lb ai/A	MP								
7	X-77			.25	% v/v	MP								
7	LIQUID N		L	1	qt pr/A	MP								
8	CONTOUR	3.38	EC	.55	lb ai/A	MP	97	93	13	97	77	97	100	100
8	ACCENT	75	DF	.0155	lb ai/A	MP								
8	X-77			.25	% v/v	MP								
8	LIQUID N		L	1	qt pr/A	MP								
9	RESOLVE	75	DF	.25	lb ai/A	MP	83	93	3	83	87	97	100	100
9	BEACON	75	DF	.018	lb ai/A	MP								
9	X-77			.25	% v/v	MP								
9	LIQUID N		L	1	qt pr/A	MP								
10	DETAIL	4.1	EC	1.03	lb ai/A	PRE	100	100	13	100	87	100	100	100
11	PROWL	3.3	EC	1	lb ai/A	PRE	100	77	0	100	77	90	100	73
11	ACCENT	75	DF	.031	lb ai/A	MP								
11	X-77			.25	% v/v	MP								
11	LIQUID N		L	1	qt pr/A	MP								



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	IPOHE	SIDSP	DATST	KANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	IPOHE	SIDSP	DATST	KANST
12	SURPASS 100	5	EC	3 lb	ai/A	PRE		100	90	0	100	87	100	100	80
13	HARNNESS EXTRA	6	F	3.5 lb	ai/A	PRE		100	87	13	100	67	100	100	90
14	SAN 1318 H	5.5	EC	1.375 lb	ai/A	PRE		100	77	7	100	63	90	93	63
15	SAN 1318 H	5.5	EC	1.375 lb	ai/A	EP		97	97	23	97	83	100	100	93
15	X-77			.25 %	v/v	EP									
16	CHECK							0	7	0	0	3	0	33	10
LSD (P=.05)								12.0	14.1	16.8	11.5	25.1	14.8	24.4	16.1
Standard Deviation								7.2	8.5	10.1	6.9	15.0	8.9	14.6	9.7
CV								8.48	9.99	131.07	8.24	20.04	9.98	15.37	11.11

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE IR

Project Code:C5014  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	IPOHE	SIDSP	DATST	XANST
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg					
1	RESOLVE	75	DF	.25	lb ai/A	MP	0	57	93	100	100
1	X-77			.25	% v/v	MP					
1	LIQUID N		L	1	qt pr/A	MP					
2	RESOLVE	75	DF	.25	lb ai/A	MP	0	60	83	97	100
2	SUNIT II		L	.75	qt pr/A	MP					
2	LIQUID N		L	1	qt pr/A	MP					
3	CONTOUR	3.38	EC	.55	lb ai/A	MP	0	60	83	93	100
3	X-77			.25	% v/v	MP					
3	LIQUID N		L	1	qt pr/A	MP					
4	CONTOUR	3.38	EC	.55	lb ai/A	MP	0	73	83	97	97
4	SUNIT II		L	.75	qt pr/A	MP					
4	LIQUID N		L	1	qt pr/A	MP					
5	PROWL	3.3	EC	.825	lb ai/A	PRE	0	87	90	93	100
5	RESOLVE	75	DF	.25	lb ai/A	MP					
5	X-77			.25	% v/v	MP					
5	LIQUID N		L	1	qt pr/A	MP					
6	PROWL	3.3	EC	.825	lb ai/A	PRE	0	63	77	90	100
6	CONTOUR	3.38	EC	.55	lb ai/A	MP					
6	X-77			.25	% v/v	MP					
6	LIQUID N		L	1	qt pr/A	MP					
7	RESOLVE	75	DF	.25	lb ai/A	MP	0	97	80	90	100
7	ACCENT	75	DF	.0155	lb ai/A	MP					
7	X-77			.25	% v/v	MP					
7	LIQUID N		L	1	qt pr/A	MP					
8	CONTOUR	3.38	EC	.55	lb ai/A	MP	0	100	97	97	100
8	ACCENT	75	DF	.0155	lb ai/A	MP					
8	X-77			.25	% v/v	MP					
8	LIQUID N		L	1	qt pr/A	MP					
9	RESOLVE	75	DF	.25	lb ai/A	MP	0	77	77	90	100
9	BEACON	75	DF	.018	lb ai/A	MP					
9	X-77			.25	% v/v	MP					
9	LIQUID N		L	1	qt pr/A	MP					
10	DETAIL	4.1	EC	1.03	lb ai/A	PRE	0	100	83	93	100
11	PROWL	3.3	EC	1	lb ai/A	PRE	0	90	73	87	100
11	ACCENT	75	DF	.031	lb ai/A	MP					
11	X-77			.25	% v/v	MP					
11	LIQUID N		L	1	qt pr/A	MP					

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	ZEAMX	SETFA	IPOHE	SIDSP	DATST	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	IPOHE	SIDSP	DATST	XANST
12	SURPASS 100	5	EC	3	lb ai/A	PRE	0	100	80	100	100	70
13	HARNESSEXTRA	6	F	3.5	lb ai/A	PRE	0	100	70	100	100	83
14	SAN 1318 H	5.5	EC	1.375	lb ai/A	PRE	0	100	73	93	93	73
15	SAN 1318 H	5.5	EC	1.375	lb ai/A	EP	0	87	87	100	100	93
15	X-77			.25	% v/v	EP						
16	CHECK						0	23	3	0	3	10
LSD (P=.05)							0.0	30.5	20.2	13.2	5.7	17.5
Standard Deviation							0.0	18.3	12.1	7.9	3.4	10.5
CV								22.97	15.75	8.9	3.64	12.2

19-9-95 (C5014)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN POSTEMERGENCE IR

Project Code: C5014  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROW  
Soil Temp., Unit: 65 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED

Variety: PIONEER 3145 IR  
Rate, Unit: 24,500, TH  
Soil Moisture: HIGH  
Plot Length, Unit: 44 , FT  
Study Design: RCB  
Ground Cover: 10

Planting Date: 10-5-95  
Depth, Unit: 1.5 , IN  
Row Spacing, Unit: 30 , IN  
Emergence Date: 17-5-95  
Reps: 3

Soil Description

Texture: SILT LOAM  
pH: 6  
CEC: 17  
Soil Name: MAURY  
Fertility Level: HGIH

% OM: 3.2  
% Sand: 7.5  
% Silt: 6.6  
% Clay: 23.9

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	10-5-95	23-5-95	30-5-95			
Time of Day:	5 PM	2 PM	1 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EP	MP			
Air Temp., Unit:	75 ,F	70 ,F	76 ,F			
% Relative Humidity:	60	30	40			
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	4 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	65 ,F	70 ,F	75 ,F			
Soil Moisture:	HIGH	HIGH	HIGH			
% Cloud Cover:	40	30	20			
Weed Species	Weed Stage, Density at Application					
SETFA		2L ,2"	4L ,4"			
IPOHE		2L ,2"	3L ,4"			
SIDSP		2L ,1"	4L ,3"			
DATST		2L ,1"	4L ,3"			
XANST		3L ,2"	5L ,4"			

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. C02 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. C02	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. C02	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE IR II

Project Code: C5011  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	ECHCG	AMACH	ZEAMX	ECHCG	AMACH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	ECHCG	AMACH	ZEAMX	ECHCG	AMACH
		Amt	Ds	Rate	Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	RESOLVE	75	DF	.251	lb ai/A	4"C	100	100	0	100	100	0	97	100
1	X-77			.25	qt v/v	4"C								
1	LIQUID N		L	2	qt pr/A	4"C								
1	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
1	AATREX	4	L	2	lb ai/A	PRE								
1	COUNTER	20	CR	1.2	lb ai/A	INF								
2	RESOLVE	75	DF	.251	lb ai/A	4"C	100	100	0	100	100	0	100	100
2	SUNIT II		L	1	qt pr/A	4"C								
2	LIQUID N		L	2	qt pr/A	4"C								
2	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
2	AATREX	4	L	2	lb ai/A	PRE								
2	COUNTER	20	CR	1.2	lb ai/A	INF								
3	BANVEL	4	S	.25	lb ai/A	4"C	97	100	0	97	100	0	87	100
3	X-77			.25	lb ai/A	4"C								
3	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
3	AATREX	4	L	2	lb ai/A	PRE								
3	COUNTER	20	CR	1.2	lb ai/A	INF								
4	BANVEL	4	S	.5	lb ai/A	4"C	93	100	0	93	100	0	80	100
4	X-77			.25	lb ai/A	4"C								
4	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
4	AATREX	4	L	2	lb ai/A	PRE								
4	COUNTER	20	CR	1.2	lb ai/A	INF								
5	RESOLVE	75	DF	.251	lb ai/A	8"C	100	100	0	100	100	0	97	100
5	X-77			.25	qt v/v	8"C								
5	LIQUID N		L	2	qt pr/A	8"C								
5	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
5	AATREX	4	L	2	lb ai/A	PRE								
5	COUNTER	20	CR	1.2	lb ai/A	INF								
6	RESOLVE	75	DF	.251	lb ai/A	8"C	100	100	17	100	100	17	100	100
6	SUNIT II		L	1	qt pr/A	8"C								
6	LIQUID N		L	2	qt pr/A	8"C								
6	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
6	AATREX	4	L	2	lb ai/A	PRE								
6	COUNTER	20	CR	1.2	lb ai/A	INF								
7	BANVEL	4	S	.25	lb ai/A	8"C	97	100	3	100	100	3	90	100
7	X-77			.25	lb ai/A	8"C								
7	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
7	AATREX	4	L	2	lb ai/A	PRE								
7	COUNTER	20	CR	1.2	lb ai/A	INF								

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	ECHCG	AMACH	ZEAMX	ECHCG	AMACH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	ZEAMX INJURY PERCENT	ECHCG CONTROL PERCENT	AMACH CONTROL PERCENT	ZEAMX INJURY PERCENT	ECHCG CONTROL PERCENT	AMACH CONTROL PERCENT
8	BANVEL	4	S	.5	lb ai/A	8"C	100	100	23	100	100	23	90	100
8	X-77			.25	lb ai/A	8"C								
8	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
8	AATREX	4	L	2	lb ai/A	PRE								
8	COUNTER	20	CR	1.2	lb ai/A	INF								
9	RESOLVE	75	DF	.251	lb ai/A	12"C	100	100	10	100	100	10	100	100
9	X-77			.25	% v/v	12"C								
9	LIQUID N		L	2	qt pr/A	12"C								
9	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
9	AATREX	4	L	2	lb ai/A	PRE								
9	COUNTER	20	CR	1.2	lb ai/A	INF								
10	RESOLVE	75	DF	.251	lb ai/A	12"C	100	100	13	100	100	13	100	100
10	SUNIT II		L	1	qt pr/A	12"C								
10	LIQUID N		L	2	qt pr/A	12"C								
10	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
10	AATREX	4	L	2	lb ai/A	PRE								
10	COUNTER	20	CR	1.2	lb ai/A	INF								
11	BANVEL	4	S	.25	lb ai/A	12"C	100	100	13	100	100	10	93	100
11	X-77			.25	lb ai/A	12"C								
11	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
11	AATREX	4	L	2	lb ai/A	PRE								
11	COUNTER	20	CR	1.2	lb ai/A	INF								
12	BANVEL	4	S	.5	lb ai/A	12"C	93	100	20	93	100	20	83	100
12	X-77			.25	lb ai/A	12"C								
12	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
12	AATREX	4	L	2	lb ai/A	PRE								
12	COUNTER	20	CR	1.2	lb ai/A	INF								
13	CHECK						97	100	0	97	100	0	90	100
13	DUAL II	7.8	EC	2.25	lb ai/A	PRE								
13	AATREX	4	L	2	lb ai/A	PRE								
LSD (P=.05)							6.2	0.0	8.9	5.5	0.0	6.6	11.4	0.0
Standard Deviation							3.7	0.0	5.3	3.2	0.0	3.9	6.8	0.0
CV							3.77	0.0	68.78	3.29	0.0	52.75	7.29	0.0

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CORN POSTEMERGENCE IR II

Project Code: C5011  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	AMACH	ZEAMX	ECHCG	AMACH
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow					
		Amt	Ds	Rate	Unit	Stg				
1	RESOLVE	75	DF	.251	lb ai/A	4"C	100	0	97	100
1	X-77			.25	% v/v	4"C				
1	LIQUID N		L	2	qt pr/A	4"C				
1	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
1	AATREX	4	L	2	lb ai/A	PRE				
1	COUNTER	20	CR	1.2	lb ai/A	INF				
2	RESOLVE	75	DF	.251	lb ai/A	4"C	100	0	100	100
2	SUNIT II		L	1	qt pr/A	4"C				
2	LIQUID N		L	2	qt pr/A	4"C				
2	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
2	AATREX	4	L	2	lb ai/A	PRE				
2	COUNTER	20	CR	1.2	lb ai/A	INF				
3	BANVEL	4	S	.25	lb ai/A	4"C	100	0	87	100
3	X-77			.25	lb ai/A	4"C				
3	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
3	AATREX	4	L	2	lb ai/A	PRE				
3	COUNTER	20	CR	1.2	lb ai/A	INF				
4	BANVEL	4	S	.5	lb ai/A	4"C	100	0	80	100
4	X-77			.25	lb ai/A	4"C				
4	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
4	AATREX	4	L	2	lb ai/A	PRE				
4	COUNTER	20	CR	1.2	lb ai/A	INF				
5	RESOLVE	75	DF	.251	lb ai/A	8"C	100	0	97	100
5	X-77			.25	% v/v	8"C				
5	LIQUID N		L	2	qt pr/A	8"C				
5	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
5	AATREX	4	L	2	lb ai/A	PRE				
5	COUNTER	20	CR	1.2	lb ai/A	INF				
6	RESOLVE	75	DF	.251	lb ai/A	8"C	100	0	100	100
6	SUNIT II		L	1	qt pr/A	8"C				
6	LIQUID N		L	2	qt pr/A	8"C				
6	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
6	AATREX	4	L	2	lb ai/A	PRE				
6	COUNTER	20	CR	1.2	lb ai/A	INF				
7	BANVEL	4	S	.25	lb ai/A	8"C	100	0	90	100
7	X-77			.25	lb ai/A	8"C				
7	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
7	AATREX	4	L	2	lb ai/A	PRE				
7	COUNTER	20	CR	1.2	lb ai/A	INF				

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	AMACH	ZEAMX	ECHCG	AMACH
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	AMACH CONTROL PERCENT	ZEAMX INJURY PERCENT	ECHCG CONTROL PERCENT	AMACH CONTROL PERCENT
8	BANVEL	4	S	.5	lb ai/A	8"C	100	0	90	100
8	X-77			.25	lb ai/A	8"C				
8	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
8	AATREX	4	L	2	lb ai/A	PRE				
8	COUNTER	20	CR	1.2	lb ai/A	INF				
9	RESOLVE	75	DF	.251	lb ai/A	12"C	100	0	100	100
9	X-77			.25	% v/v	12"C				
9	LIQUID N		L	2	qt pr/A	12"C				
9	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
9	AATREX	4	L	2	lb ai/A	PRE				
9	COUNTER	20	CR	1.2	lb ai/A	INF				
10	RESOLVE	75	DF	.251	lb ai/A	12"C	100	0	100	100
10	SUNIT II		L	1	qt pr/A	12"C				
10	LIQUID N		L	2	qt pr/A	12"C				
10	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
10	AATREX	4	L	2	lb ai/A	PRE				
10	COUNTER	20	CR	1.2	lb ai/A	INF				
11	BANVEL	4	S	.25	lb ai/A	12"C	100	0	93	100
11	X-77			.25	lb ai/A	12"C				
11	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
11	AATREX	4	L	2	lb ai/A	PRE				
11	COUNTER	20	CR	1.2	lb ai/A	INF				
12	BANVEL	4	S	.5	lb ai/A	12"C	100	3	83	100
12	X-77			.25	lb ai/A	12"C				
12	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
12	AATREX	4	L	2	lb ai/A	PRE				
12	COUNTER	20	CR	1.2	lb ai/A	INF				
13	CHECK						100	0	90	100
13	DUAL II	7.8	EC	2.25	lb ai/A	PRE				
13	AATREX	4	L	2	lb ai/A	PRE				
LSD (P=.05)							0.0	2.7	11.4	0.0
Standard Deviation							0.0	1.6	6.8	0.0
CV							0.0	624.5	7.29	0.0

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19-9-95 (C5011)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN POSTEMERGENCE IR II

Project Code:C5011  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Site Description

Crop: CORN  
 Planting Method: ROW  
 Soil Temp., Unit: 60 , F  
 Plot Width/Area, Unit: 5 , FT  
 Tillage Type: CONVENTIONAL  
 Field Preparation/Plot Maintenance: APRING PLOWED, DISKED AND FIELD CULTIVATED

Variety: PIONEER 3245IR  
 Rate, Unit: 24,500, TH  
 Row Spacing, Unit: 30 , IN  
 Soil Moisture: HIGH  
 Plot Length, Unit: 44 , FT  
 Study Design: RCB  
 APRING PLOWED, DISKED AND FIELD CULTIVATED

Planting Date: 3-5-95  
 Depth, Unit: 1.5 , IN  
 Emergence Date: 10-5-95  
 Repts: 3  
 Ground Cover: 10%

Soil Description

Texture: SILT LOAM  
 pH: 6.2  
 CEC: 20.4  
 Soil Name: MAURY

% OM: 3.5  
 % Sand: 9.6  
 % Silt: 63.1  
 % Clay: 27.2  
 Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	3-5-95	23-5-95	30-5-95			
Time of Day:	1:30 PM	11 AM	1 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	4"C	8"C			
Air Temp., Unit:	65 ,F	80 ,F	75 ,F			
% Relative Humidity:	60	50	55			
Wind Velocity, Unit:	3.2 ,MPH	4 ,MPH	3.7 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 ,F	75 ,F	75 ,F			
Soil Moisture:	HIGH	MEDIUM	HIGH			
% Cloud Cover:	30	10	20			

Weed Species Weed Stage, Density at Application

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN INSECTICIDE INTERACTION

Project Code:C5010  
Cooperator :

Location :LEXINGTON, KY  
By:C. H. SLACK

Weed/Crop Code	ECHCG	ZEAMX	ECHCG	ZEAMX	ECHCG	ZEAMX
Rating Data Type	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	3 WEEK	3 WEEK	5 WEEK	5 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow				
No	Name	Amt	Ds	Rate	Unit	Stg				
1	SCEPTER	70	DF	.125	lb ai/A	PPI	80	0	77	0
1	COUNTER	15	G	1.2	lb ai/A	INF				
1	FRONTIER	7.5	EC	1	lb ai/A	PRE				
1	AATREX	4	L	1	lb ai/A	PRE				
2	SCEPTER	70	DF	.125	lb ai/A	PPI	90	0	83	0
2	COUNTER	15	G	1.2	lb ai/A	TBN				
2	FRONTIER	7.5	EC	1	lb ai/A	PRE				
2	AATREX	4	L	1	lb ai/A	PRE				
3	SCEPTER	70	DF	.125	lb ai/A	PPI	73	0	70	0
3	COUNTER	20	CR	1.2	lb ai/A	INF				
3	FRONTIER	7.5	EC	1	lb ai/A	PRE				
3	AATREX	4	L	1	lb ai/A	PRE				
4	SCEPTER	70	DF	.125	lb ai/A	PPI	90	0	90	0
4	COUNTER	20	CR	1.2	lb ai/A	TBN				
4	FRONTIER	7.5	EC	1	lb ai/A	PRE				
4	AATREX	4	L	1	lb ai/A	PRE				
5	SCEPTER	70	DF	.125	lb ai/A	PPI	83	0	80	0
5	AC 513,917	15	G	1.2	lb ai/A	INF				
5	FRONTIER	7.5	EC	1	lb ai/A	PRE				
5	AATREX	4	L	1	lb ai/A	PRE				
6	SCEPTER	70	DF	.125	lb ai/A	PPI	93	0	87	0
6	AC 513,917	15	G	1.2	lb ai/A	TBN				
6	FRONTIER	7.5	EC	1	lb ai/A	PRE				
6	AATREX	4	L	1	lb ai/A	PRE				
7	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	80	0	77	0
7	COUNTER	15	G	1.2	lb ai/A	INF				
7	FRONTIER	7.5	EC	1	lb ai/A	PRE				
7	AATREX	4	L	1	lb ai/A	PRE				
8	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	97	0	93	0
8	COUNTER	15	G	1.2	lb ai/A	TBN				
8	FRONTIER	7.5	EC	1	lb ai/A	PRE				
8	AATREX	4	L	1	lb ai/A	PRE				
9	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	77	0	77	0
9	COUNTER	20	CR	1.2	lb ai/A	INF				
9	FRONTIER	7.5	EC	1	lb ai/A	PRE				
9	AATREX	4	L	1	lb ai/A	PRE				

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	ECHCG	ZEAMX	ECHCG	ZEAMX	ECHCG	ZEAMX
Rating Data Type	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	3 WEEK	3 WEEK	5 WEEK	5 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg						
		Amt	Ds									
10	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	93	0	90	0	90	0
10	COUNTER	20	CR	1.2	lb ai/A	TBN						
10	FRONTIER	7.5	EC	1	lb ai/A	PRE						
10	AATREX	4	L	1	lb ai/A	PRE						
11	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	77	0	77	0	77	0
11	AC 513,917	15	G	1.2	lb ai/A	INF						
11	FRONTIER	7.5	EC	1	lb ai/A	PRE						
11	AATREX	4	L	1	lb ai/A	PRE						
12	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	90	0	90	0	90	0
12	AC 513,917	15	G	1.2	lb ai/A	TBN						
12	FRONTIER	7.5	EC	1	lb ai/A	PRE						
12	AATREX	4	L	1	lb ai/A	PRE						
13	SCEPTER/PURSUIT	70	DF	.125	lb ai/A	PPI	80	0	80	0	80	0
13	FRONTIER	7.5	EC	1	lb ai/A	PRE						
13	AATREX	4	L	1	lb ai/A	PRE						
14	SCEPTER	70	DF	.125	lb ai/A	PPI	90	0	87	0	87	0
14	FRONTIER	7.5	EC	1	lb ai/A	PRE						
14	AATREX	4	L	1	lb ai/A	PRE						
15	CHECK						83	0	80	0	80	0
15	FRONTIER	7.5	EC	1	lb ai/A	PRE						
15	AATREX	4	L	1	lb ai/A	PRE						
LSD (P=.05)							11.1	0.0	10.2	0.0	10.2	0.0
Standard Deviation							6.6	0.0	6.1	0.0	6.1	0.0
CV							7.8	.	7.42	.	7.42	.

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19-9-95 (C5010)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN INSECTICIDE INTERACTION

Project Code: C5010  
Cooperator :

Location : LEXINGTON, KY  
By: C. H. SLACK

Site Description

Crop: CORN Variety: OFS-X112HO Planting Date: 3-5-95  
Planting Method: ROW Rate, Unit: 24,500, TH Depth, Unit: 1.5, IN  
Row Spacing, Unit: 30, IN  
Soil Temp., Unit: 60, F Soil Moisture: HIGH Emergence Date: 10-5-95  
Plot Width/Area, Unit: 5, FT Plot Length, Unit: 44, FT Reps: 3  
Site Type: CROP LAND Ground Cover: 10%  
Tillage Type: CONVENTIONAL Study Design: RCB  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED

Soil Description

Texture: SILT LOAM % OM: 3.5 % Sand: 9.6 % Silt: 63.1 % Clay: 27.2  
pH: 6.2 CEC: 20.4 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 3-5-95  
Time of Day: 2 PM  
Application Method: BROADCAST  
Application Timing: PPI, PRE  
Air Temp., Unit: 65, F  
% Relative Humidity: 60  
Wind Velocity, Unit: 3, MPH  
Dew Presence (Y/N): N  
Soil Temp., Unit: 62, F  
Soil Moisture: HIGH  
% Cloud Cover: 40  
Weed Species Weed Stage, Density at Application

Application Equipment

Sprayer Speed Nozzle Nozzle Nozzle Nozzle Boom  
Type MPH Type Size Height Spacing Width GPA Carrier PSI  
A. CO2 4WHEELER 4 FLAT FAN 8004 19" 19" 5' 25 WATER 30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE (LIBERTY)

Project Code:C5020  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	CROPINJU	SETFA	PHBPU	CHEAL	AMACH	ABUTH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	CROPINJU INJURY PERCENT	SETFA CONTROL PERCENT	PHBPU CONTROL PERCENT	CHEAL CONTROL PERCENT	AMACH CONTROL PERCENT	ABUTH CONTROL PERCENT
1	LIBERTY	1.67	E	.36	lb ai/A	MP	60	60	0	60	68	55	60	68
2	LIBERTY	1.67	E	.27	lb ai/A	MP	90	90	0	90	90	90	90	90
2	LIBERTY	1.67	E	.27	lb ai/A	IFN								
3	LIBERTY	1.67	E	.36	lb ai/A	MP	70	70	0	70	70	70	70	70
3	CULTIVATION					+2WK								
4	AATREX	4	L	1.5	lb ai/A	PRE	93	90	0	93	78	98	98	98
4	LIBERTY	1.67	E	.27	lb ai/A	MP								
5	LIBERTY	1.67	E	.27	lb ai/A	MP	68	90	0	68	80	100	100	100
5	AATREX	4	L	1.5	lb ai/A	MP								
6	ACCENT	75	DF	.031	lb ai/A	MP	73	98	0	73	98	100	100	100
6	BUCTRIL GEL	4	E	.25	lb ai/A	MP								
6	X-77			.25	% v/v	MP								
6	LIQUID N		L	1	qt pr/A	MP								
7	BICEP II	5.9	L	3.6	lb ai/A	PRE	100	90	0	100	78	100	100	100
8	HAND WEDED						100	100	0	100	100	100	100	100
9	CHECK						0	0	0	0	0	0	0	0
10	NO TRANSFORMED						60	60	40	60	60	60	60	60
10	LIBERTY	1.67	E	.036	lb ai/A	MP								
LSD (P=.05)							7.8	5.8	0.0	7.8	11.2	4.9	2.3	4.8
Standard Deviation							5.4	4.0	0.0	5.4	7.7	3.4	1.6	3.3
CV							7.53	5.32	0.0	7.53	10.69	4.37	2.03	4.25

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN POSTEMERGENCE (LIBERTY)

Project Code:C5020  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	CROPINJU	SETFA	PHBPU	CHEAL	AMACH	ABUTH
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow	CROPINJU	SETFA	PHBPU	CHEAL	AMACH	ABUTH
		Amt	Ds	Rate	Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	LIBERTY	1.67	E	.36 lb ai/A	MP	0	60	68	55	60	68
2	LIBERTY	1.67	E	.27 lb ai/A	MP	0	90	90	90	90	90
2	LIBERTY	1.67	E	.27 lb ai/A	IFN						
3	LIBERTY	1.67	E	.36 lb ai/A	MP	0	70	70	70	70	70
3	CULTIVATION				+2WK						
4	AATREX	4	L	1.5 lb ai/A	PRE	0	93	68	98	98	98
4	LIBERTY	1.67	E	.27 lb ai/A	MP						
5	LIBERTY	1.67	E	.27 lb ai/A	MP	0	60	80	100	100	100
5	AATREX	4	L	1.5 lb ai/A	MP						
6	ACCENT	75	DF	.031 lb ai/A	MP	0	65	98	100	100	100
6	BUCTRIL GEL	4	E	.25 lb ai/A	MP						
6	X-77			.25 % v/v	MP						
6	LIQUID N		L	1 qt pr/A	MP						
7	BICEP II	5.9	L	3.6 lb ai/A	PRE	0	100	78	100	100	90
8	HAND WEEDED					0	100	100	100	100	100
9	CHECK					0	0	0	0	0	0
10	NO TRANSFORMED					40	60	60	60	60	60
10	LIBERTY	1.67	E	.036 lb ai/A	MP						
LSD (P=.05)						0.0	6.2	10.5	4.9	2.3	4.8
Standard Deviation						0.0	4.2	7.3	3.4	1.6	3.3
CV						0.0	6.09	10.21	4.37	2.03	4.3

19-9-95 (C5020)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CORN POSTEMERGENCE (LIBERTY)

Project Code: C5020  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROW  
Variety: LIBERTY-LINK  
Rate, Unit: 24,000, TH  
Row Spacing, Unit: 30 , IN  
Soil Temp., Unit: 70 , F  
Plot Width/Area, Unit: 5 , FT  
Planting Date: 22-5-95  
Depth, Unit: 1.5 , IN  
Emergence Date: 30-5-95  
Reps: 4  
Ground Cover: 10%

Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED  
Study Design: RCB

Soil Description

Texture: SILT LOAM  
pH: 6.1  
CEC: 18  
% OM: 3.6  
Soil Name: MAURY  
% Sand: 7.8  
Fertility Level: HIGH  
% Silt: 67.5  
% Clay: 23

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 22-5-95 8-6-95  
Time of Day: 4 PM 11 AM  
Application Method: BROADCAST BROADCAST  
Application Timing: PRE MP  
Air Temp., Unit: 71 ,F 81 ,F  
% Relative Humidity: 60 82  
Wind Velocity, Unit: 3.5 ,MPH 4 ,MPH  
Dew Presence (Y/N): N N  
Soil Temp., Unit: 70 ,F 76 ,F  
Soil Moisture: HIGH GOOD  
% Cloud Cover: 60 20

Weed Species Weed Stage, Density at Application

SETFA 1-2L,2-3"  
XANST 2-3L,3-4"  
CHEAL 1-2L,2-4"  
PHBPU 2-3L,3-4"

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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NO-TILL CORN STALKLAND

Project Code:C5004  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
1	EXTRAZINE II	90	DF	4 lb ai/A	PRE		43	53	0	43	53	57	0	43	53	57
1	ROUNDUP	4	L	1 lb ai/A	PRE											
1	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
1	SPREADER 80			.5 % v/v	PRE											
2	EXTRAZINE II	90	DF	3.6 lb ai/A	PRE		90	87	0	90	90	83	0	77	90	83
2	ACCENT	75	DF	.031 lb ai/A	MP											
2	COC		L	1 qt pr/A	MP											
2	LIQUID N		L	2 qt pr/A	MP											
3	BICEP II	5.9	L	3.6 lb ai/A	PRE		57	60	0	57	73	87	0	53	70	83
3	ROUNDUP	4	L	1 lb ai/A	PRE											
3	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
3	SPREADER 80			.5 % v/v	PRE											
4	BULLET	4	F	4 lb ai/A	PRE		53	63	0	53	83	60	0	53	83	60
4	ROUNDUP	4	L	1 lb ai/A	PRE											
4	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
4	SPREADER 80			.5 % v/v	PRE											
5	GUARDSMAN	5	L	2.8 lb ai/A	PRE		57	53	0	57	70	70	0	53	60	63
5	ROUNDUP	4	L	1 lb ai/A	PRE											
5	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
5	SPREADER 80			.5 % v/v	PRE											
6	SURPASS 100	5	EC	3 lb ai/A	PRE		40	47	0	40	43	60	0	40	43	60
6	ROUNDUP	4	L	1 lb ai/A	PRE											
6	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
6	SPREADER 80			.5 % v/v	PRE											
7	HARNESSEXTRA	6	F	3.5 lb ai/A	PRE		50	53	0	50	73	47	0	47	73	47
7	ROUNDUP	4	L	1 lb ai/A	PRE											
7	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
7	SPREADER 80			.5 % v/v	PRE											
8	HARNESSEXTRA	6	F	3 lb ai/A	PRE		57	40	0	57	37	70	0	53	37	67
8	AATREX	4	L	1 lb ai/A	PRE											
8	ROUNDUP	4	L	1 lb ai/A	PRE											
8	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
8	SPREADER 80			.5 % v/v	PRE											
9	HARNESSEXTRA	6	F	3.5 lb ai/A	PRE		63	67	0	67	77	80	0	67	77	80
9	AATREX	4	L	1 lb ai/A	PRE											
9	ROUNDUP	4	L	1 lb ai/A	PRE											
9	WEEDONE 638	2.80	EC	.5 lb ai/A	PRE											
9	SPREADER 80			.5 % v/v	PRE											

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH
10	HARNESSEXTRA	6	F	3	lb ai/A	PRE		53	53	0	63	50	63
10	PRINCEP	4	F	1	lb ai/A	PRE							
10	ROUNDUP	4	L	1	lb ai/A	PRE							
10	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
10	SPREADER 80			.5	% v/v	PRE							
11	HARNESSEXTRA	6	F	3.5	lb ai/A	PRE		53	70	0	53	77	67
11	EXTRAZINE II	90	DF	1.5	lb ai/A	PRE							
11	ROUNDUP	4	L	1	lb ai/A	PRE							
11	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
11	SPREADER 80			.5	% v/v	PRE							
12	HARNESSEXTRA	6	F	3	lb ai/A	PRE		50	57	0	50	50	73
12	EXTRAZINE II	90	DF	2	lb ai/A	PRE							
12	ROUNDUP	4	L	1	lb ai/A	PRE							
12	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
12	SPREADER 80			.5	% v/v	PRE							
13	MON 8434	6	F	3.22	lb ai/A	PRE		40	60	0	40	53	70
13	ROUNDUP	4	L	1	lb ai/A	PRE							
13	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
13	SPREADER 80			.5	% v/v	PRE							
14	MON 8434	6	F	3.22	lb ai/A	PRE		47	47	0	50	47	77
14	AATREX	4	L	.5	lb ai/A	PRE							
14	ROUNDUP	4	L	1	lb ai/A	PRE							
14	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
14	SPREADER 80			.5	% v/v	PRE							
15	MON 8434	6	F	3.22	lb ai/A	PRE		63	53	0	70	73	60
15	PRINCEP	4	F	1	lb ai/A	PRE							
15	ROUNDUP	4	L	1	lb ai/A	PRE							
15	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
15	SPREADER 80			.5	% v/v	PRE							
16	MON 8434	6	F	3.22	lb ai/A	PRE		63	40	0	63	40	80
16	EXTRAZINE II	90	DF	1	lb ai/A	PRE							
16	ROUNDUP	4	L	1	lb ai/A	PRE							
16	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE							
16	SPREADER 80			.5	% v/v	PRE							
17	BROADSTRIKE SF + DUA	7.75	SC	1.69	lb ai/A	PRE		50	60	0	50	70	70
17	ROUNDUP	4	L	1	lb ai/A	PRE							
17	SPREADER 80			.5	% v/v	PRE							
18	BROADSTRIKE SF + DUA	7.75	SC	1.93	lb ai/A	PRE		60	83	0	60	83	80
18	ROUNDUP	4	L	1	lb ai/A	PRE							
18	SPREADER 80			.5	% v/v	PRE							

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
		Amt	Ds	Rate	Unit		CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
19	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	50	73	0	50	77	83	0	50	73	80
19	ROUNDUP	4	L	1	lb ai/A	PRE										
19	SPREADER 80			.5	% v/v	PRE										
20	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	47	63	0	47	73	70	0	47	73	70
20	ROUNDUP	4	L	1	lb ai/A	PRE										
20	SPREADER 80			.5	% v/v	PRE										
21	DUAL II	7.8	EC	2	lb ai/A	PRE	43	53	0	43	43	80	0	43	43	80
21	BROADSTRIKE PLUS	85.6	WG	.26	lb ai/A	PRE										
21	ROUNDUP	4	L	1	lb ai/A	PRE										
21	SPREADER 80			.5	% v/v	PRE										
22	DUAL II	7.8	EC	2	lb ai/A	PRE	40	73	0	40	80	67	0	40	80	67
22	BROADSTRIKE PLUS	85.6	WG	.26	lb ai/A	PRE										
22	ROUNDUP	4	L	1	lb ai/A	PRE										
22	SPREADER 80			.5	% v/v	PRE										
23	DUAL II	7.8	EC	2	lb ai/A	PRE	73	43	0	77	40	77	0	77	40	77
23	AATREX	4	L	1.5	lb ai/A	PRE										
23	ROUNDUP	4	L	1	lb ai/A	PRE										
23	SPREADER 80			.5	% v/v	PRE										
24	DUAL II	7.8	EC	2	lb ai/A	PRE	47	67	0	47	83	67	0	47	80	60
24	BATTALION	15	DF	.047	lb ai/A	PRE										
24	ROUNDUP	4	L	1	lb ai/A	PRE										
24	SPREADER 80			.5	% v/v	PRE										
25	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	53	70	0	53	80	73	0	50	80	77
25	AATREX	4	L	1.5	lb ai/A	PRE										
25	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE										
25	SPREADER 80			.25	% v/v	PRE										
26	TOPNOTCH	3.2	CS	2	lb ai/A	PRE	50	77	0	50	87	77	0	47	87	77
26	AATREX	4	L	1.5	lb ai/A	PRE										
26	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE										
26	SPREADER 80			.25	% v/v	PRE										
27	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	40	70	0	40	83	73	0	40	83	73
27	EXTRAZINE II	90	DF	2	lb ai/A	PRE										
27	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE										
27	SPREADER 80			.25	% v/v	PRE										
28	SURPASS	6.4	EC	2.75	lb ai/A	PRE	40	47	0	40	73	40	0	40	70	40
28	AATREX	4	L	.4	lb ai/A	PRE										
28	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE										
28	SPREADER 80			.25	% v/v	PRE										

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Weed/Crop Code		GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH	
Rating Data Type		CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Trt-Eval Interval		4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	
PRM Data Type		P	P	P	P	P	P	P	P	P	P	
Decimals Printed		0	0	0	0	0	0	0	0	0	0	
Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH
29	SURPASS	6.4	EC	3	lb ai/A	PRE	47	70	3	47	77	70
29	AATREX	4	L	.4	lb ai/A	PRE						
29	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
29	SPREADER 80			.25	% v/v	PRE						
30	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	53	77	0	53	87	90
30	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
30	SPREADER 80			.25	% v/v	PRE						
30	BUCTRIL GEL	4	E	.5	lb ai/A	MP						
30	AATREX	4	L	.5	lb ai/A	MP						
31	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	47	87	0	47	87	90
31	BROADSTRIKE PLUS	85.6	WG	.21	lb ai/A	PRE						
31	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
31	SPREADER 80			.25	% v/v	PRE						
32	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	37	87	0	37	90	87
32	BROADSTRIKE PLUS	85.6	WG	.26	lb ai/A	PRE						
32	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
32	SPREADER 80			.25	% v/v	PRE						
33	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	50	70	0	50	80	60
33	AATREX	4	L	1.5	lb ai/A	PRE						
33	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE						
33	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
33	SPREADER 80			.25	% v/v	PRE						
34	TOPNOTCH	3.2	CS	2	lb ai/A	PRE	63	60	0	63	60	80
34	AATREX	4	L	1.5	lb ai/A	PRE						
34	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE						
34	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
34	SPREADER 80			.25	% v/v	PRE						
35	BICEP II	5.9	L	3.6	lb ai/A	PRE	60	57	0	73	47	80
35	CROSSBOW	2	E	.5	lb ai/A	PRE						
36	BICEP II	5.9	L	3.6	lb ai/A	PRE	70	50	0	77	40	87
36	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE						
36	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
36	SPREADER 80			.25	% v/v	PRE						
37	BICEP II	5.9	L	3.6	lb ai/A	PRE	67	60	0	70	60	83
37	WEEDONE 638	2.80	EC	.5	lb ai/A	PRE						
37	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE						
37	SPREADER 80			.25	% v/v	PRE						
38	FRONTIER	7.5	EC	1.3	lb ai/A	PRE	77	83	0	77	80	90
38	ROUNDUP	4	L	1	lb ai/A	PRE						
38	SPREADER 80			.5	% v/v	PRE						
38	MARKSMAN	3.2	EC	1.4	lb ai/A	EP						

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
		Amt	Ds	Rate	Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
39	FRONTIER	7.5	EC	1.4	lb ai/A	PRE	80	93	0	80	93	93	0	73	93	93
39	ROUNDUP	4	L	1	lb ai/A	PRE										
39	SPREADER 80			.5	% v/v	PRE										
39	MARKSMAN	3.2	EC	1.4	lb ai/A	EP										
40	GUARDSMAN	5	L	2.4	lb ai/A	PRE	87	93	0	87	93	93	0	73	93	93
40	ROUNDUP	4	L	1	lb ai/A	PRE										
40	SPREADER 80			.5	% v/v	PRE										
40	MARKSMAN	3.2	EC	1.4	lb ai/A	EP										
41	FRONTIER	7.5	EC	1.4	lb ai/A	PRE	47	90	10	47	93	90	0	47	93	90
41	ROUNDUP	4	L	1	lb ai/A	PRE										
41	SPREADER 80			.5	% v/v	PRE										
41	CLARITY	4	EC	.5	lb ai/A	EP										
41	SPREADER 80			.25	lb ai/A	EP										
41	LIQUID N		L	1	qt pr/A	EP										
42	GUARDSMAN	5	L	2.4	lb ai/A	PRE	63	80	7	63	87	83	0	57	87	83
42	ROUNDUP	4	L	1	lb ai/A	PRE										
42	SPREADER 80			.5	% v/v	PRE										
42	CLARITY	4	EC	.5	lb ai/A	EP										
42	SPREADER 80			.25	lb ai/A	EP										
42	LIQUID N		L	1	qt pr/A	EP										
43	DUAL II	7.8	EC	1.95	lb ai/A	PRE	90	87	0	90	93	80	0	77	93	80
43	ROUNDUP	4	L	1	lb ai/A	PRE										
43	SPREADER 80			.5	% v/v	PRE										
43	BEACON	75	DF	.018	lb ai/A	MP										
43	ACCENT	75	DF	.016	lb ai/A	MP										
43	COC		L	1	qt pr/A	MP										
44	DUAL II	7.8	EC	1.95	lb ai/A	PRE	77	83	0	77	90	80	0	73	90	80
44	ROUNDUP	4	L	1	lb ai/A	PRE										
44	SPREADER 80			.5	% v/v	PRE										
44	BEACON	75	DF	.036	lb ai/A	MP										
44	COC		L	1	qt pr/A	MP										
45	DUAL II	7.8	EC	1.95	lb ai/A	PRE	67	90	0	67	97	90	0	57	97	90
45	ROUNDUP	4	L	1	lb ai/A	PRE										
45	SPREADER 80			.5	% v/v	PRE										
45	EXCEED	57	W	.036	lb ai/A	MP										
45	COC		L	1	qt pr/A	MP										
46	DUAL II	7.8	EC	1.95	lb ai/A	PRE	63	80	0	63	93	87	0	60	93	87
46	ROUNDUP	4	L	1	lb ai/A	PRE										
46	SPREADER 80			.5	% v/v	PRE										
46	EXCEED	57	W	.036	lb ai/A	MP										
46	SPREADER 80			.25	% v/v	MP										

Dept. of Agronomy, Univ. of KY  
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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt Treatment	Form	Fm	Rate	Grow	GGGG	BBBB	ZEAMX	SETFA	AMACH	ABUTH	ZEAMX	SETFA	AMACH	ABUTH
No Name	Amt	Ds	Rate	Unit	Stg									
47 ROUNDUP	4	L	1 lb ai/A	PRE	73	83	0	73	80	93	0	70	80	93
47 WEEDONE 638	2.80	EC	.5 lb ai/A	PRE										
47 SPREADER 80			.5 % v/v	PRE										
47 ACCENT	75	DF	.016 lb ai/A	MP										
47 BROADSTRIKE POST	84.3	WG	.21 lb ai/A	MP										
47 SPREADER 80			.25 % v/v	MP										
48 ROUNDUP	4	L	1 lb ai/A	PRE	33	90	0	33	90	93	0	33	90	93
48 WEEDONE 638	2.80	EC	.5 lb ai/A	PRE										
48 SPREADER 80			.5 % v/v	PRE										
48 BEACON	75	DF	.018 lb ai/A	MP										
48 BROADSTRIKE POST	84.3	WG	.21 lb ai/A	MP										
48 SPREADER 80			.25 % v/v	MP										
LSD (P=.05)					14.0	23.1	1.9	11.7	16.0	18.3	0.0	10.0	17.0	17.8
Standard Deviation					8.7	14.3	1.2	7.2	9.9	11.3	0.0	6.2	10.5	11.0
CV					15.31	21.06	285.84	12.51	13.63	14.87	.	11.31	14.68	14.45

19-9-95 (C5004)

Site Description

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL CORN STALKLAND

Project Code: C5004  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN  
 Planting Method: ROW  
 Soil Temp., Unit: 55 , F  
 Plot Width/Area, Unit: 5 , FT  
 Tillage Type: NO-TILL

Variety: PIONEER 3140  
 Rate, Unit: 25,000, TH  
 Row Spacing, Unit: 30 , IN  
 Soil Moisture: HIGH  
 Plot Length, Unit: 44 , FT  
 Study Design: RCB

Planting Date: 11-5-95  
 Depth, Unit: 1.5 , IN  
 Emergence Date: 19-5-95  
 Repts: 3  
 Ground Cover: 100

Soil Description

Texture: SILT LOAM  
 pH: 6.2 CEC: 21.6  
 Soil Name: MAURY

% OM: 3.2  
 % Sand: 12  
 % Silt: 62.3  
 % Clay: 27.2  
 Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
Application Information								
		A	B	C	D	E	F	
Application Date:	11-5-95	3-6-95	6-6-95					
Time of Day:	3 PM	1 PM	11 AM					
Application Method:	BROADCAST	BROADCAST	BROADCAST					
Application Timing:	PRE	EP	MP					
Air Temp., Unit:	58 ,F	80 ,F	82 ,F					
% Relative Humidity:	40	70	50					
Wind Velocity, Unit:	3 ,MPH	3.5 ,MPH	3.5 ,MPH					
Dew Presence (Y/N):	N	N	N					
Soil Temp., Unit:	61 ,F	75 ,F	72 ,F					
Soil Moisture:	HIGH	GOOD	GOOD					
% Cloud Cover:	50	30	20					
Weed Species Weed Stage, Density at Application								
SETFA		1-3L,2"	3-4L,2-4"					
AMACH		4-6L,2"	6-7L,3"					
ABUTH		2-3 ,2-3"	3-4 ,2-4"					
Application Equipment								
Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom		
Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER 30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER 30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER 30

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NO-TILL CORN EARLY PREPLANT

Project Code: C5006  
Cooperator :

Location : LEXINGTON, KY  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
1	EXTRAZINE II	90	DF	3.96	lb	ai/A	2WK		90	90	0	90	100	100	97
1	ACCENT	75	DF	.031	lb	ai/A	MP								
1	COC		L		1	qt	pr/A	MP							
1	LIQUID N				2	qt	pr/A	MP							
2	DUAL II	7.8	EC		2	lb	ai/A	2WK	37	67	0	37	60	93	93
2	BROADSTRIKE PLUS	85.6	WG	.21	lb	ai/A	2WK								
2	ROUNDUP	4	L	.75	lb	ai/A	2WK								
2	X-77				.5	%	v/v	2WK							
3	DUAL II	7.8	EC		2	lb	ai/A	PRE	40	80	0	40	77	100	100
3	BROADSTRIKE PLUS	85.6	WG	.21	lb	ai/A	PRE								
3	ROUNDUP	4	L	.75	lb	ai/A	PRE								
3	X-77				.5	%	v/v	PRE							
4	BROADSTRIKE + DUAL	7.67	SC	2.64	lb	ai/A	2WK		37	80	0	37	87	90	97
4	ROUNDUP	4	L	.75	lb	ai/A	2WK								
4	X-77				.5	%	v/v	2WK							
5	BROADSTRIKE + DUAL	7.67	SC	2.40	lb	ai/A	PRE		67	67	0	67	70	97	83
5	ROUNDUP	4	L	.75	lb	ai/A	PRE								
5	X-77				.5	%	v/v	PRE							
6	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb	ai/A	2WK		40	80	0	40	73	90	93
6	ROUNDUP	4	L	.75	lb	ai/A	2WK								
6	X-77				.5	%	v/v	2WK							
7	BROADSTRIKE SF + DUA	7.75	SC	2.40	lb	ai/A	PRE		43	87	0	43	83	100	97
7	ROUNDUP	4	L	.75	lb	ai/A	PRE								
7	X-77				.5	%	v/v	PRE							
8	FRONTIER	7.5	EC	1.4	lb	ai/A	2WK		57	100	3	57	100	100	100
8	ROUNDUP	4	L	1	lb	ai/A	2WK								
8	X-77				.5	%	v/v	2WK							
8	MARKSMAN	3.2	EC	1.4	lb	ai/A	MP								
9	ROUNDUP	4	L	1	lb	ai/A	2WK		73	93	7	73	100	100	100
9	X-77				.5	%	v/v	2WK							
9	FRONTIER	7.5	EC	1.4	lb	ai/A	1WK								
9	MARKSMAN	3.2	EC	1.4	lb	ai/A	MP								
10	FRONTIER	7.5	EC	1.4	lb	ai/A	2WK		33	100	7	33	100	100	100
10	ROUNDUP	4	L	1	lb	ai/A	2WK								
10	X-77				.5	%	v/v	2WK							
10	CLARITY	4	E	.5	lb	ai/A	MP								
10	X-77				.25	%	v/v	MP							
10	LIQUID N				1	qt	pr/A	MP							

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
No	Name	Amt	Ds	Rate	Unit	Stg	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
11	GUARDSMAN	5	L	2.8	lb ai/A	2WK	30	100	13	30	100	100	100
11	ROUNDUP	4	L	1	lb ai/A	2WK							
11	X-77			.5	% v/v	2WK							
11	CLARITY	4	E	.5	lb ai/A	MP							
11	X-77			.5	% v/v	MP							
11	LIQUID N			1	qt pr/A	MP							
12	GUARDSMAN	5	L	2.8	lb ai/A	2WK	67	100	3	67	100	100	100
12	ROUNDUP	4	L	1	lb ai/A	2WK							
12	X-77			.5	% v/v	2WK							
12	MARKSMAN	3.2	EC	1.4	lb ai/A	MP							
13	CROSSBOW	2	E	.5	lb ai/A	2WK	33	63	0	33	63	100	100
13	BICEP II	5.9	L	3.6	lb ai/A	2WK							
14	BICEP II	5.9	L	3.6	lb ai/A	2WK	63	37	0	63	0	100	87
14	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	2WK							
14	WEEDONE LV4	4	SC	.5	lb ai/A	2WK							
14	X-77			.25	% v/v	2WK							
15	BICEP II	5.9	L	3.6	lb ai/A	2WK	37	70	0	37	67	100	97
15	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	2WK							
15	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
15	X-77			.25	% v/v	2WK							
16	TOPNOTCH	3.2	CS	1.6	lb ai/A	4WK	30	77	0	30	80	100	83
16	AATREX	4	L	1.5	lb ai/A	4WK							
16	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	4WK							
16	X-77			.25	% v/v	4WK							
17	TOPNOTCH	3.2	CS	2	lb ai/A	4WK	30	80	0	30	80	100	90
17	AATREX	4	L	1.5	lb ai/A	4WK							
17	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	4WK							
17	X-77			.25	% v/v	4WK							
18	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	43	100	0	43	100	100	100
18	AATREX	4	L	1.5	lb ai/A	PRE							
18	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE							
18	X-77			.25	% v/v	PRE							
19	TOPNOTCH	3.2	CS	2	lb ai/A	PRE	37	87	0	37	93	100	100
19	AATREX	4	L	1.5	lb ai/A	PRE							
19	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE							
19	X-77			.25	% v/v	PRE							
20	TOPNOTCH	3.2	CS	2	lb ai/A	PRE	47	80	0	47	87	100	97
20	EXTRAZINE II	90	DF	2	lb ai/A	PRE							
20	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE							
20	X-77			.25	% v/v	PRE							

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Rate	Unit	Grow	Stg						
21	SURPASS 100	5	EC	2.75	lb	ai/A	PRE	20	97	0	20	97	100	100			
21	AATREX	4	L	.4	lb	ai/A	PRE										
21	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE										
21	X-77			.25	%	v/v	PRE										
22	SURPASS 100	5	EC	3	lb	ai/A	PRE	47	90	0	47	100	100	93			
22	AATREX	4	L	.4	lb	ai/A	PRE										
22	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE										
22	X-77			.25	%	v/v	PRE										
23	TOPNOTCH	3.2	CS	1.6	lb	ai/A	PRE	43	93	0	43	97	100	97			
23	BUCTRIL	2	EC	.5	lb	ai/A	MP										
23	AATREX	4	L	.5	lb	ai/A	MP										
24	TOPNOTCH	3.2	CS	1.6	lb	ai/A	PRE	37	93	0	37	97	100	100			
24	BROADSTRIKE PLUS	85.6	WG	.21	lb	ai/A	PRE										
24	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE										
24	X-77			.25	%	v/v	PRE										
25	TOPNOTCH	3.2	CS	1.6	lb	ai/A	PRE	37	93	0	37	100	100	100			
25	BROADSTRIKE PLUS	85.6	WG	.26	lb	ai/A	PRE										
25	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE										
25	X-77			.25	%	v/v	PRE										
26	EXTRAZINE II	90	DF	4	lb	ai/A	2WK	33	70	0	33	63	97	67			
26	ROUNDUP	4	L	1	lb	ai/A	2WK										
26	WEEDONE 638	2.84	EC	.5	lb	ai/A	2WK										
26	X-77			.5	%	v/v	2WK										
27	BICEP II	5.9	L	3.6	lb	ai/A	2WK	50	50	0	50	30	100	50			
27	ROUNDUP	4	L	1	lb	ai/A	2WK										
27	WEEDONE 638	2.84	EC	.5	lb	ai/A	2WK										
27	X-77			.5	%	v/v	2WK										
28	BULLET	4	F	4	lb	ai/A	2WK	30	77	0	30	83	100	80			
28	ROUNDUP	4	L	1	lb	ai/A	2WK										
28	WEEDONE 638	2.84	EC	.5	lb	ai/A	2WK										
28	X-77			.5	%	v/v	2WK										
29	GUARDSMAN	5	L	2.8	lb	ai/A	2WK	20	77	0	20	77	100	87			
29	ROUNDUP	4	L	1	lb	ai/A	2WK										
29	WEEDONE 638	2.84	EC	.5	lb	ai/A	2WK										
29	X-77			.5	%	v/v	2WK										
30	SURPASS 100	5	EC	3	lb	ai/A	2WK	10	87	0	10	93	100	83			
30	ROUNDUP	4	L	1	lb	ai/A	2WK										
30	WEEDONE 638	2.84	EC	.5	lb	ai/A	2WK										
30	X-77			.5	%	v/v	2WK										

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
31	HARNESSEXTRA	6	F	3.5	lb ai/A	2WK	20	80	7	20	90	100	67
31	ROUNDUP	4	L	1	lb ai/A	2WK							
31	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
31	X-77			.5	% v/v	2WK							
32	HARNESSEXTRA	6	F	3	lb ai/A	2WK	10	83	7	10	83	100	93
32	AATREX	4	L	1	lb ai/A	2WK							
32	ROUNDUP	4	L	1	lb ai/A	2WK							
32	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
32	X-77			.5	% v/v	2WK							
33	HARNESSEXTRA	6	F	3.5	lb ai/A	2WK	27	83	3	27	80	100	100
33	AATREX	4	L	1	lb ai/A	2WK							
33	ROUNDUP	4	L	1	lb ai/A	2WK							
33	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
33	X-77			.5	% v/v	2WK							
34	HARNESSEXTRA	6	F	3	lb ai/A	2WK	40	70	3	40	90	97	57
34	PRINCEP	4	F	1	lb ai/A	2WK							
34	ROUNDUP	4	L	1	lb ai/A	2WK							
34	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
34	X-77			.5	% v/v	2WK							
35	HARNESSEXTRA	6	F	3.5	lb ai/A	2WK	30	80	0	30	80	100	93
35	EXTRAZINE II	90	DF	1.5	lb ai/A	2WK							
35	ROUNDUP	4	L	1	lb ai/A	2WK							
35	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
35	X-77			.5	% v/v	2WK							
36	HARNESSEXTRA	6	F	3	lb ai/A	2WK	17	80	0	17	80	100	100
36	EXTRAZINE II	90	DF	2	lb ai/A	2WK							
36	ROUNDUP	4	L	1	lb ai/A	2WK							
36	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
36	X-77			.5	% v/v	2WK							
37	MON 8434	6	F	3.22	lb ai/A	2WK	37	73	0	37	80	100	63
37	ROUNDUP	4	L	1	lb ai/A	2WK							
37	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
37	X-77			.5	% v/v	2WK							
38	MON 8434	6	F	3.22	lb ai/A	2WK	17	93	0	17	93	100	100
38	AATREX	4	L	.5	lb ai/A	2WK							
38	ROUNDUP	4	L	1	lb ai/A	2WK							
38	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
38	X-77			.5	% v/v	2WK							
39	MON 8434	6	F	3.22	lb ai/A	2WK	10	93	0	10	93	100	100
39	PRINCEP	4	F	1	lb ai/A	2WK							
39	ROUNDUP	4	L	1	lb ai/A	2WK							
39	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
39	X-77			.5	% v/v	2WK							

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Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT	CHEAL CONTROL PERCENT	XANST CONTROL PERCENT
40	MON 8434	6	F	3.22	lb ai/A	2WK	20	80	0	20	87	100	83
40	EXTRAZINE II	90	DF	1	lb ai/A	2WK							
40	ROUNDUP	4	L	1	lb ai/A	2WK							
40	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK							
40	X-77			.5	lb ai/A	2WK							
41	BICEP II	5.9	L	3.6	lb ai/A	PRE	50	70	3	50	63	100	100
41	ROUNDUP	4	L	1	lb ai/A	PRE							
41	X-77			.5	% v/v	PRE							
42	FRONTIER	7.5	EC	1.4	lb ai/A	PRE	77	97	0	77	100	100	100
42	ROUNDUP	4	L	1	lb ai/A	PRE							
42	X-77			.5	% v/v	PRE							
42	MARKSMAN	3.2	EC	1.4	lb ai/A	MP							
43	GUARDSMAN	5	L	2.8	lb ai/A	PRE	83	90	0	83	100	100	100
43	ROUNDUP	4	L	1	lb ai/A	PRE							
43	X-77			.5	% v/v	PRE							
43	MARKSMAN	3.2	EC	1.4	lb ai/A	MP							
44	BULLET	4	F	4	lb ai/A	PRE	30	90	0	30	90	100	97
44	ROUNDUP	4	L	1	lb ai/A	PRE							
44	X-77			.5	% v/v	PRE							
LSD (P=.05)							23.2	24.7	5.6	23.2	26.4	6.2	32.9
Standard Deviation							14.2	15.1	3.4	14.2	16.1	3.8	20.2
CV							36.28	18.33	264.97	36.28	19.37	3.83	22.05

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL CORN EARLY PREPLANT

Project Code:C5006  
Cooperator :

Location :LEXINGTON, KY  
By:C. H. SLACK

Weed/Crop Code	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX	SETFA	AMACH	CHEAL	XANST
1	EXTRAZINE II	90	DF	3.96	lb ai/A	2WK	0	90	100	100	97
1	ACCENT	75	DF	.031	lb ai/A	MP					
1	COC		L	1	qt pr/A	MP					
1	LIQUID N			2	qt pr/A	MP					
2	DUAL II	7.8	EC	2	lb ai/A	2WK	0	37	60	93	93
2	BROADSTRIKE PLUS	85.6	WG	.21	lb ai/A	2WK					
2	ROUNDUP	4	L	.75	lb ai/A	2WK					
2	X-77			.5	% v/v	2WK					
3	DUAL II	7.8	EC	2	lb ai/A	PRE	0	40	77	100	100
3	BROADSTRIKE PLUS	85.6	WG	.21	lb ai/A	PRE					
3	ROUNDUP	4	L	.75	lb ai/A	PRE					
3	X-77			.5	% v/v	PRE					
4	BROADSTRIKE + DUAL	7.67	SC	2.67	lb ai/A	2WK	0	37	87	90	97
4	ROUNDUP	4	L	.75	lb ai/A	2WK					
4	X-77			.5	% v/v	2WK					
5	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	0	57	70	97	83
5	ROUNDUP	4	L	.75	lb ai/A	PRE					
5	X-77			.5	% v/v	PRE					
6	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	2WK	0	40	73	90	93
6	ROUNDUP	4	L	.75	lb ai/A	2WK					
6	X-77			.5	% v/v	2WK					
7	BROADSTRIKE SF + DUA	7.75	SC	2.40	lb ai/A	PRE	0	43	83	100	97
7	ROUNDUP	4	L	.75	lb ai/A	PRE					
7	X-77			.5	% v/v	PRE					
8	FRONTIER	7.5	EC	1.4	lb ai/A	2WK	3	57	100	100	100
8	ROUNDUP	4	L	1	lb ai/A	2WK					
8	X-77			.5	% v/v	2WK					
8	MARKSMAN	3.2	EC	1.4	lb ai/A	MP					
9	ROUNDUP	4	L	1	lb ai/A	2WK	7	73	100	100	100
9	X-77			.5	% v/v	2WK					
9	FRONTIER	7.5	EC	1.4	lb ai/A	1WK					
9	MARKSMAN	3.2	EC	1.4	lb ai/A	MP					
10	FRONTIER	7.5	EC	1.4	lb ai/A	2WK	7	33	100	100	100
10	ROUNDUP	4	L	1	lb ai/A	2WK					
10	X-77			.5	% v/v	2WK					
10	CLARITY	4	E	.5	lb ai/A	MP					
10	X-77			.25	% v/v	MP					
10	LIQUID N			1	qt pr/A	MP					

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 Weed Science Field Research

Weed/Crop Code	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT	CHEAL CONTROL PERCENT	XANST CONTROL PERCENT
11	GUARDSMAN	5	L	2.8	lb ai/A	2WK	13	30	100	100	100
11	ROUNDUP	4	L	1	lb ai/A	2WK					
11	X-77			.5	% v/v	2WK					
11	CLARITY	4	E	.5	lb ai/A	MP					
11	X-77			.5	% v/v	MP					
11	LIQUID N			1	qt pr/A	MP					
12	GUARDSMAN	5	L	2.8	lb ai/A	2WK	3	67	100	100	100
12	ROUNDUP	4	L	1	lb ai/A	2WK					
12	X-77			.5	% v/v	2WK					
12	MARKSMAN	3.2	EC	1.4	lb ai/A	MP					
13	CROSSBOW	2	E	.5	lb ai/A	2WK	0	33	63	100	100
13	BICEP II	5.9	L	3.6	lb ai/A	2WK					
14	BICEP II	5.9	L	3.6	lb ai/A	2WK	0	63	0	100	87
14	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	2WK					
14	WEEDONE LV4	4	SC	.5	lb ai/A	2WK					
14	X-77			.25	% v/v	2WK					
15	BICEP II	5.9	L	3.6	lb ai/A	2WK	0	37	67	100	97
15	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	2WK					
15	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK					
15	X-77			.25	% v/v	2WK					
16	TOPNOTCH	3.2	CS	1.6	lb ai/A	4WK	0	30	80	100	83
16	AATREX	4	L	1.5	lb ai/A	4WK					
16	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	4WK					
16	X-77			.25	% v/v	4WK					
17	TOPNOTCH	3.2	CS	1.6	lb ai/A	4WK	0	30	80	100	90
17	AATREX	4	L	1.5	lb ai/A	4WK					
17	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	4WK					
17	X-77			.25	% v/v	4WK					
18	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	0	43	100	100	100
18	AATREX	4	L	1.5	lb ai/A	PRE					
18	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
18	X-77			.25	% v/v	PRE					
19	TOPNOTCH	3.2	CS	2	lb ai/A	PRE	0	37	93	100	100
19	AATREX	4	L	1.5	lb ai/A	PRE					
19	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
19	X-77			.25	% v/v	PRE					
20	TOPNOTCH	3.2	CS	2	lb ai/A	PRE	0	47	87	100	97
20	EXTRAZINE II	90	DF	2	lb ai/A	PRE					
20	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
20	X-77			.25	% v/v	PRE					

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code		ZEAMX SETFA AMACH CHEAL XANST									
Rating Data Type		INJURY CONTROL CONTROL CONTROL CONTROL									
Rating Unit		PERCENT PERCENT PERCENT PERCENT PERCENT									
Rating Date											
Trt-Eval Interval		8 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK									
PRM Data Type		P P P P P									
Decimals Printed		0 0 0 0 0									
Trt No	Treatment Name	Form	Fm	Rate	Grow						
		Amt	Ds	Rate	Unit	Stg					
21	SURPASS 100	5	EC	2.75	lb ai/A	PRE	0	20	97	100	100
21	AATREX	4	L	.4	lb ai/A	PRE					
21	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
21	X-77			.25	% v/v	PRE					
22	SURPASS 100	5	EC	3	lb ai/A	PRE	0	47	100	100	93
22	AATREX	4	L	.4	lb ai/A	PRE					
22	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
22	X-77			.25	% v/v	PRE					
23	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	0	43	97	100	97
23	BUCTRIL	2	EC	.5	lb ai/A	MP					
23	AATREX	4	L	.5	lb ai/A	MP					
24	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	0	37	97	100	100
24	BROADSTRIKE PLUS	85.6	WG	.21	lb ai/A	PRE					
24	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
24	X-77			.25	% v/v	PRE					
25	TOPNOTCH	3.2	CS	1.6	lb ai/A	PRE	0	37	100	100	100
25	BROADSTRIKE PLUS	85.6	WG	.26	lb ai/A	PRE					
25	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE					
25	X-77			.25	% v/v	PRE					
26	EXTRAZINE II	90	DF	4	lb ai/A	2WK	0	33	63	97	67
26	ROUNDUP	4	L	1	lb ai/A	2WK					
26	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK					
26	X-77			.5	% v/v	2WK					
27	BICEP II	5.9	L	3.6	lb ai/A	2WK	0	50	30	100	50
27	ROUNDUP	4	L	1	lb ai/A	2WK					
27	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK					
27	X-77			.5	% v/v	2WK					
28	BULLET	4	F	4	lb ai/A	2WK	0	30	83	100	80
28	ROUNDUP	4	L	1	lb ai/A	2WK					
28	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK					
28	X-77			.5	% v/v	2WK					
29	GUARDSMAN	5	L	2.8	lb ai/A	2WK	0	20	77	100	87
29	ROUNDUP	4	L	1	lb ai/A	2WK					
29	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK					
29	X-77			.5	% v/v	2WK					
30	SURPASS 100	5	EC	3	lb ai/A	2WK	0	10	93	100	83
30	ROUNDUP	4	L	1	lb ai/A	2WK					
30	WEEDONE 638	2.84	EC	.5	lb ai/A	2WK					
30	X-77			.5	% v/v	2WK					

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Weed Science Field Research

Weed/Crop Code	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg					
31	HARNESS EXTRA	6	F	3.5		lb ai/A	2WK		7	20	90	100	67
31	ROUNDUP	4	L	1		lb ai/A	2WK						
31	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
31	X-77			.5		% v/v	2WK						
32	HARNESS EXTRA	6	F	3		lb ai/A	2WK		7	10	83	100	93
32	AATREX	4	L	1		lb ai/A	2WK						
32	ROUNDUP	4	L	1		lb ai/A	2WK						
32	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
32	X-77			.5		% v/v	2WK						
33	HARNESS EXTRA	6	F	3.5		lb ai/A	2WK		3	27	80	100	100
33	AATREX	4	L	1		lb ai/A	2WK						
33	ROUNDUP	4	L	1		lb ai/A	2WK						
33	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
33	X-77			.5		% v/v	2WK						
34	HARNESS EXTRA	6	F	3		lb ai/A	2WK		3	40	90	97	57
34	PRINCEP	4	F	1		lb ai/A	2WK						
34	ROUNDUP	4	L	1		lb ai/A	2WK						
34	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
34	X-77			.5		% v/v	2WK						
35	HARNESS EXTRA	6	F	3.5		lb ai/A	2WK		0	30	80	100	93
35	EXTRAZINE II	90	DF	1.5		lb ai/A	2WK						
35	ROUNDUP	4	L	1		lb ai/A	2WK						
35	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
35	X-77			.5		% v/v	2WK						
36	HARNESS EXTRA	6	F	3		lb ai/A	2WK		0	17	80	100	100
36	EXTRAZINE II	90	DF	2		lb ai/A	2WK						
36	ROUNDUP	4	L	1		lb ai/A	2WK						
36	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
36	X-77			.5		% v/v	2WK						
37	MON 8434	6	F	3.22		lb ai/A	2WK		0	37	80	100	63
37	ROUNDUP	4	L	1		lb ai/A	2WK						
37	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
37	X-77			.5		% v/v	2WK						
38	MON 8434	6	F	3.22		lb ai/A	2WK		0	17	93	100	100
38	AATREX	4	L	.5		lb ai/A	2WK						
38	ROUNDUP	4	L	1		lb ai/A	2WK						
38	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
38	X-77			.5		% v/v	2WK						
39	MON 8434	6	F	3.22		lb ai/A	2WK		0	10	93	100	100
39	PRINCEP	4	F	1		lb ai/A	2WK						
39	ROUNDUP	4	L	1		lb ai/A	2WK						
39	WEEDONE 638	2.84	EC	.5		lb ai/A	2WK						
39	X-77			.5		% v/v	2WK						

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	ZEAMX	SETFA	AMACH	CHEAL	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	ZEAMX	SETFA	AMACH	CHEAL	XANST
40	MON 8434	6	F	3.22	lb	ai/A	2WK		0	20	87	100	83
40	EXTRAZINE II	90	DF	1	lb	ai/A	2WK						
40	ROUNDUP	4	L	1	lb	ai/A	2WK						
40	WEEDONE 638	2.84	EC	.5	lb	ai/A	2WK						
40	X-77			.5	lb	ai/A	2WK						
41	BICEP II	5.9	L	3.6	lb	ai/A	PRE		3	50	63	100	100
41	ROUNDUP	4	L	1	lb	ai/A	PRE						
41	X-77			.5	%	v/v	PRE						
42	FRONTIER	7.5	EC	1.4	lb	ai/A	PRE		0	77	100	100	100
42	ROUNDUP	4	L	1	lb	ai/A	PRE						
42	X-77			.5	%	v/v	PRE						
42	MARKSMAN	3.2	EC	1.4	lb	ai/A	MP						
43	GUARDSMAN	5	L	2.8	lb	ai/A	PRE		0	83	100	100	100
43	ROUNDUP	4	L	1	lb	ai/A	PRE						
43	X-77			.5	%	v/v	PRE						
43	MARKSMAN	3.2	EC	1.4	lb	ai/A	MP						
44	BULLET	4	F	4	lb	ai/A	PRE		0	30	90	100	97
44	ROUNDUP	4	L	1	lb	ai/A	PRE						
44	X-77			.5	%	v/v	PRE						
LSD (P=.05)									5.6	24.0	26.4	6.2	32.9
Standard Deviation									3.4	14.7	16.1	3.8	20.2
CV									264.97	37.59	19.37	3.83	22.05

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19-9-95 (C5006)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

NO-TILL CORN EARLY PREPLANT

Project Code:C5006  
Cooperator :

Location :LEXINGTON, KY  
By:C. H. SLACK

Site Description

Crop: CORN Variety: PIONEER 3140 Planting Date: 4-5-95  
Planting Method: ROW Rate, Unit: 24,500, TH Depth, Unit: 1.5 , IN  
Row Spacing, Unit: 30 , IN  
Soil Temp., Unit: 63 , F Soil Moisture: HIGH Emergence Date: 10-5-95  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Ground Cover: 100  
Tillage Type: NO-TILL Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 3.5 % Sand: 11.2 % Silt: 61.8 % Clay: 29.9  
pH: 6 CEC: 20.4 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

	A	B	C	D	E	F
Application Date:	13-4-95	19-4-95	4-5-95	5-6-95		
Time of Day:	1:30 PM	2 PM	2 PM	2 PM		
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST		
Application Timing:	4WK	2WK	PRE	MP		
Air Temp., Unit:	58 ,F	70 ,F	63 ,F	80 ,F		
% Relative Humidity:	50	60	70	70		
Wind Velocity, Unit:	3.5 ,MPH	4 ,MPH	4 ,MPH	3.2 ,MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	50 ,F	62 ,F	60 ,F	75 ,F		
Soil Moisture:	GOOD	GOOD	GOOD	GOOD		
% Cloud Cover:	30	30	20	10		
Weed Species	Weed Stage, Density at Application					
SETFA				2-3L,2-4"		
AMACH				4-6L,2-3"		
CHEAL				5-6L,2-3"		
XANST				4-6L,2-4"		

Application Equipment

	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. C02	4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. C02	4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. C02		3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
D. C02		3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

NO-TILL CORN EARLY PREPLANT II

Project Code:C5009  
Cooperator :

Location :LEXINGTON, KY  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	ZEAMX	SETFA	AMACH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt Treatment No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	AMACH	ZEAMX	SETFA	AMACH
1	BICEP II	5.9	L	4.42	lb ai/A	4WK	57	53	0	57	53	0	57	53
1	ROUNDUP	4	L	1	lb ai/A	4WK								
1	X-77			.5	% v/v	4WK								
2	BICEP LITE II	5	L	3.75	lb ai/A	4WK	60	53	0	60	53	0	60	53
2	ROUNDUP	4	L	1	lb ai/A	4WK								
2	X-77			.5	% v/v	4WK								
3	SURPASS 100	5	EC	3.25	lb ai/A	4WK	47	67	0	47	67	0	47	67
3	AATREX	4	L	.3	lb ai/A	4WK								
3	ROUNDUP	4	L	1	lb ai/A	4WK								
3	X-77			.5	% v/v	4WK								
4	TOPNOTCH	3.2	CS	1.8	lb ai/A	4WK	50	53	0	50	53	0	50	53
4	AATREX	4	L	1.5	lb ai/A	4WK								
4	ROUNDUP	4	L	1	lb ai/A	4WK								
4	X-77			.5	% v/v	4WK								
5	HARNESS EXTRA	6	F	3.5	lb ai/A	4WK	47	77	0	47	77	0	47	77
5	AATREX	4	L	.5	lb ai/A	4WK								
5	ROUNDUP	4	L	1	lb ai/A	4WK								
5	X-77			.5	% v/v	4WK								
6	MON 8434	6	F	3.82	lb ai/A	4WK	50	73	0	50	73	0	50	73
6	ROUNDUP	4	L	1	lb ai/A	4WK								
6	X-77			.5	% v/v	4WK								
7	GUARDSMAN	5	L	3.125	lb ai/A	4WK	53	63	0	53	63	0	53	63
7	ROUNDUP	4	L	1	lb ai/A	4WK								
7	X-77			.5	% v/v	4WK								
8	BICEP II	5.9	L	3.54	lb ai/A	PRE	73	57	0	73	57	0	73	57
8	ROUNDUP	4	L	1	lb ai/A	PRE								
8	X-77			.5	% v/v	PRE								
9	BICEP LITE II	5	L	3	lb ai/A	PRE	47	63	0	47	63	0	47	63
9	ROUNDUP	4	L	1	lb ai/A	PRE								
9	X-77			.5	% v/v	PRE								
10	SURPASS 100	5	EC	2.75	lb ai/A	PRE	63	83	0	63	83	0	60	83
10	AATREX	4	L	1.5	lb ai/A	PRE								
10	ROUNDUP	4	L	1	lb ai/A	PRE								
10	X-77			.5	% v/v	PRE								

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19-9-95 (C5009)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

NO-TILL CORN EARLY PREPLANT II

Project Code: C5009

Location : LEXINGTON, KY

Cooperator :

By: C. H. SLACK

**Site Description**

Crop: CORN	Variety: PIONEER 3140	Planting Date: 4-5-95
Planting Method: ROWS	Rate, Unit: 24,000, TH	Depth, Unit: 1.5, IN
	Row Spacing, Unit: 30	, IN
Soil Temp., Unit: 63, F	Soil Moisture: HIGH	Emergence Date: 10-5-95
Plot Width/Area, Unit: 5, FT	Plot Length, Unit: 44, FT	Reps: 3
		Ground Cover: 100
Tillage Type: NO-TILLAGE	Study Design: RCB	

**Soil Description**

Texture: SILT LOAM	% OM: 3.3	% Sand: 11.3	% Silt: 61.7	% Clay: 29.8
pH: 6	CEC: 20.4	Soil Name: MAURY	Fertility Level: HIGH	

**Moisture Conditions**

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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**Application Information**

	A	B	C	D	E	F
Application Date:	13-4-95	4-5-95				
Time of Day:	3:30 PM	2 PM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	4WK	PRE				
Air Temp., Unit:	60, F	65, F				
% Relative Humidity:	50	60				
Wind Velocity, Unit:	6, MPH	4, MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	55, F	60, F				
Soil Moisture:	MODERATE	HIGH				
% Cloud Cover:	0	20				

**Weed Species Weed Stage, Density at Application**

**Application Equipment**

	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A.	C02 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B.	C02	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

MINIMUM TILL CORN EARLY PREPLANT

Project Code:C5007  
Cooperator :

Location :LEXINGTON, KY  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	ECHCG	AMACH	ZEAMX	ECHCG	AMACH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	ECHCG	AMACH	ZEAMX	ECHCG	AMACH
1	BICEP II	5.9	L	4.42	lb ai/A	4WK		90	87	0	90	90	0	90	87
1	ROUNDUP	4	L	1	lb ai/A	4WK									
1	X-77			.5	% v/v	4WK									
2	BICEP LITE II	5	L	3.75	lb ai/A	4WK		73	73	0	73	72	0	77	77
2	ROUNDUP	4	L	1	lb ai/A	4WK									
2	X-77			.5	% v/v	4WK									
3	SURPASS 100	5	EC	3.25	lb ai/A	4WK		40	83	0	40	90	0	37	87
3	AATREX	4	L	.3	lb ai/A	4WK									
3	ROUNDUP	4	L	1	lb ai/A	4WK									
3	X-77			.5	% v/v	4WK									
4	TOPNOTCH	3.2	CS	1.8	lb ai/A	4WK		33	83	0	33	83	0	37	83
4	AATREX	4	L	1.5	lb ai/A	4WK									
4	ROUNDUP	4	L	1	lb ai/A	4WK									
4	X-77			.5	% v/v	4WK									
5	HARNESS EXTRA	6	F	3.5	lb ai/A	4WK		33	87	0	33	87	0	27	90
5	AATREX	4	L	.5	lb ai/A	4WK									
5	ROUNDUP	4	L	1	lb ai/A	4WK									
5	X-77			.5	% v/v	4WK									
6	MON 8434	6	F	3.82	lb ai/A	4WK		23	83	0	23	87	0	23	83
6	ROUNDUP	4	L	1	lb ai/A	4WK									
6	X-77			.5	% v/v	4WK									
7	GUARDSMAN	5	L	3.125	lb ai/A	4WK		33	90	0	33	90	0	30	90
7	ROUNDUP	4	L	.5	lb ai/A	4WK									
7	X-77			1	% v/v	4WK									
8	BICEP II	5.9	L	3.54	lb ai/A	PRE		83	90	0	83	93	0	87	90
8	ROUNDUP	4	L	1	lb ai/A	PRE									
8	X-77			.5	% v/v	PRE									
9	BICEP LITE II	5	L	3	lb ai/A	PRE		83	90	0	83	90	0	83	93
9	ROUNDUP	4	L	1	lb ai/A	PRE									
9	X-77			.5	% v/v	PRE									
10	SURPASS 100	5	EC	2.75	lb ai/A	PRE		83	93	0	83	97	0	80	93
10	AATREX	4	L	1.5	lb ai/A	PRE									
10	ROUNDUP	4	L	1	lb ai/A	PRE									
10	X-77			.5	% v/v	PRE									

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19-9-95 (C5007)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

MINIMUM TILL CORN EARLY PREPLANT

Project Code:C5007  
Cooperator :

Location :LEXINGTON, KY  
By:C. H. SLACK

Site Description

Crop: CORN  
Planting Method: ROW  
Soil Temp., Unit: 60 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: MINIMUM  
Field Preparation/Plot Maintenance: FALL CHISLED

Variety: PIONEER 3140  
Rate, Unit: 24,500, TH  
Row Spacing, Unit: 30 , IN  
Soil Moisture: HIGH  
Plot Length, Unit: 44 , FT  
Study Design: RCB  
Field Preparation/Plot Maintenance: FALL CHISLED

Planting Date: 3-5-95  
Depth, Unit: 1.5 , IN  
Emergence Date: 10-5-95  
Reps: 3  
Ground Cover: 75

Soil Description

Texture: SILT LOAM  
PH: 6.1 CEC: 20.4  
Soil Name: MAURY

% OM: 3.5  
% Sand: 11.2  
% Silt: 61.8  
% Clay: 29.9  
Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	13-4-95	3-5-95				
Time of Day:	10 AM	11 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	4WK	PRE				
Air Temp., Unit:	55 ,F	65 ,F				
% Relative Humidity:	50	60				
Wind Velocity, Unit:	3.5 ,MPH	4 ,MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	55 ,F	60 ,F				
Soil Moisture:	GOOD	GOOD				
% Cloud Cover:	80	50				

Weed Species Weed Stage, Density at Application

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. C02 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. C02 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SETFA	AMACH	SIDSP
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt Treatment	Form	Fm	Rate	Grow												
No	Name	Amt	Ds	Rate	Unit	Stg										
LSD (P=.05)							20.2	24.6	0.0	20.7	6.9	22.2	0.0	21.8	6.1	32.5
Standard Deviation							11.9	14.5	0.0	12.2	4.1	13.1	0.0	12.9	3.6	19.2
CV							18.6	19.3	.	19.67	4.13	14.96	.	22.01	3.68	23.09

SOYBEAN PREEMERGENCE

Project Code: S5011  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	IPOHE	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	IPOHE CONTROL PERCENT	XANST CONTROL PERCENT
1	DUAL	8	EC	2.5	lb ai/A	PRE	90	57	0	90	70	57	33
2	DUAL	8	EC	2.5	lb ai/A	PRE	93	73	0	90	93	80	73
2	SENCOR 75DF	75	DF	.5	lb ai/A	PRE							
3	DUAL	8	EC	2.5	lb ai/A	PRE	93	83	0	93	97	80	83
3	SCEPTER	70	DF	.125	lb ai/A	PRE							
4	DUAL	8	EC	2	lb ai/A	PRE	90	83	0	90	100	80	80
4	CANOPY	75	DF	.23	lb ai/A	PRE							
5	DETAIL	4.1	EC	1.03	lb ai/A	PRE	100	90	0	100	100	87	93
6	FIRSTRATE	84	W	.031	lb ai/A	PRE	83	80	0	83	93	80	77
6	FRONTIER	7.5	EC	1.2	lb ai/A	PRE							
7	BROADSTRIKE SF + DUA	7.75	SC	2.71	lb ai/A	PRE	93	80	0	93	97	77	80
8	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	93	77	0	93	93	83	70
9	FIRSTRATE	84	W	.039	lb ai/A	PRE	87	87	0	87	100	87	77
9	FRONTIER	7.5	EC	1.2	lb ai/A	PRE							
10	SQUADRON	2.33	EC	.87	lb ai/A	PRE	90	90	0	90	100	87	90
10	PROWL	3.3	EC	.41	lb ai/A	PRE							
11	PROWL	3.3	EC	1.23	lb ai/A	PRE	87	57	0	87	90	87	47
12	SCEPTER	70	DF	.125	lb ai/A	PRE	83	87	0	83	97	97	77
13	CANOPY	75	DF	.188	lb ai/A	PRE	97	93	0	97	97	93	97
13	CLASSIC	25	DF	.00	lb ai/A	MP							
13	ASSURE II	.8	EC	.05	lb ai/A	MP							
13	COC		L	1	qt pr/A	MP							
14	LOROX PLUS	60	DF	.6	lb ai/A	PRE	93	90	0	93	100	87	80
14	DUAL	8	EC	2	lb ai/A	PRE							
15	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	90	83	0	90	100	83	80
15	CANOPY	75	DF	.28	lb ai/A	PRE							
16	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	93	87	0	93	97	87	83
16	SCEPTER	70	DF	.125	lb ai/A	PRE							
17	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	87	77	0	87	100	83	77
17	PURSUIT	70	DF	.063	lb ai/A	PRE							

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Dept. of Agronomy, Univ. of KY  
 Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	IPOHE	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow							
		Amt	Ds	Rate	Unit	Stg							
18	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	87	77	3	87	87	87	73
18	PURSUIT	70	DF	.063	lb ai/A	3TR							
18	SUNIT II		L	.75	qt pr/A	3TR							
18	LIQUID N		L	1	qt pr/A	3TR							
19	DETAIL	4.1	EC	1.03	lb ai/A	PRE	97	90	0	97	100	90	90
19	FRONTIER	7.5	EC	.25	lb ai/A	PRE							
20	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	100	90	0	100	93	90	93
20	COBRA	2	L	.15	lb ai/A	MP							
20	SELECT	2	EC	.094	lb ai/A	MP							
20	COC		L	.5	qt pr/A	MP							
21	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	93	90	0	93	92	93	97
21	REFLEX	2	EC	.375	lb ai/A	MP							
21	COC		L	.5	qt pr/A	MP							
22	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	87	90	0	87	97	87	93
22	BASAGRAN	4	EC	.75	lb ai/A	MP							
22	COC		L	1	qt pr/A	MP							
23	MON 7740	3	F	.42	lb ai/A	PRE	100	63	0	100	100	80	60
23	MICRO TECH	4	ME	2.5	lb ai/A	PRE							
24	MON 7740	3	F	.42	lb ai/A	PRE	100	87	0	100	100	87	87
24	MICRO TECH	4	ME	2.5	lb ai/A	PRE							
24	SCEPTER	70	DF	.063	lb ai/A	PRE							
25	MICRO TECH	4	ME	2.5	lb ai/A	PRE	87	73	0	87	97	83	70
25	COMMAND	4	EC	.42	lb ai/A	PRE							
26	MICRO TECH	4	ME	2.5	lb ai/A	PRE	97	73	0	97	97	77	73
26	COMMAND	4	EC	.75	lb ai/A	PRE							
27	MICRO TECH	4	ME	2.5	lb ai/A	PRE	90	83	0	90	100	97	77
27	AUTHORITY	75	DF	.375	lb ai/A	PRE							
28	MICRO TECH	4	ME	2.5	lb ai/A	PRE	98	93	0	98	98	98	92
28	AUTHORITY	75	DF	.375	lb ai/A	PRE							
28	SENCOR 75DF	75	DF	.25	lb ai/A	PRE							
29	MICRO TECH	4	ME	2.5	lb ai/A	PRE	97	87	0	97	100	100	87
29	AUTHORITY	75	DF	.375	lb ai/A	PRE							
29	SENCOR 75DF	75	DF	.38	lb ai/A	PRE							
30	AXIOM	68	DF	.77	lb ai/A	PRE	90	70	0	90	80	83	57
31	AXIOM	68	DF	.77	lb ai/A	PRE	97	95	0	97	100	100	95
31	REFLEX	2	EC	.375	lb ai/A	MP							
31	COC		L	1	qt pr/A	MP							



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	IPOHE	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt Treatment	Form	Fm	Rate	Grow								
No Name	Amt	Ds	Rate	Unit	Stg							
32 AXIOM	68	DF	.77	lb ai/A	PRE	100	93	0	100	93	97	
32 PURSUIT	70	DF	.032	lb ai/A	MP							
32 COC		L	.5	qt pr/A	MP							
32 LIQUID N		L	1	qt pr/A	MP							
LSD (P=.05)						12.6	9.1	1.7	12.9	11.9	17.2	14.6
Standard Deviation						7.7	5.6	1.0	7.9	7.3	10.5	8.9
CV						8.37	6.81	979.8	8.52	7.65	12.19	11.27

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN PREEMERGENCE

Project Code: S5011  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	CHEAL	IPOHE	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	IPOHE CONTROL PERCENT	XANST CONTROL PERCENT
1	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	70	83	10
2	DUAL	8	EC	2.5	lb ai/A	PRE	0	97	97	93	50
2	SENCOR 75DF	75	DF	.5	lb ai/A	PRE					
3	DUAL	8	EC	2.5	lb ai/A	PRE	0	97	100	100	70
3	SCEPTER	70	DF	.125	lb ai/A	PRE					
4	DUAL	8	EC	2	lb ai/A	PRE	0	100	100	100	65
4	CANOPY	75	DF	.23	lb ai/A	PRE					
5	DETAIL	4.1	EC	1.03	lb ai/A	PRE	0	97	100	100	93
6	FIRSTRATE	84	W	.031	lb ai/A	PRE	0	90	100	100	53
6	FRONTIER	7.5	EC	1.2	lb ai/A	PRE					
7	BROADSTRIKE SF + DUA	7.75	SC	2.71	lb ai/A	PRE	0	97	97	100	80
8	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	0	100	97	100	73
9	FIRSTRATE	84	W	.039	lb ai/A	PRE	0	87	100	97	80
9	FRONTIER	7.5	EC	1.2	lb ai/A	PRE					
10	SQUADRON	2.33	EC	.87	lb ai/A	PRE	0	83	100	100	87
10	PROWL	3.3	EC	.41	lb ai/A	PRE					
11	PROWL	3.3	EC	1.23	lb ai/A	PRE	0	77	97	90	17
12	SCEPTER	70	DF	.125	lb ai/A	PRE	0	87	97	97	80
13	CANOPY	75	DF	.188	lb ai/A	PRE	0	93	93	97	100
13	CLASSIC	25	DF	.008	lb ai/A	MP					
13	ASSURE II	.8	EC	.05	lb ai/A	MP					
13	COC	L		1	qt pr/A	MP					
14	LOROX PLUS	60	DF	.6	lb ai/A	PRE	0	100	100	100	90
14	DUAL	8	EC	2	lb ai/A	PRE					
15	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	97	100	97	80
15	CANOPY	75	DF	.28	lb ai/A	PRE					
16	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	100	100	100	80
16	SCEPTER	70	DF	.125	lb ai/A	PRE					
17	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	90	100	97	50
17	PURSUIT	70	DF	.063	lb ai/A	PRE					

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	CHEAL	IPOHE	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	IPOHE CONTROL PERCENT	XANST CONTROL PERCENT
18	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	97	90	100	97
18	PURSUIT	70	DF	.063	lb ai/A	3TR					
18	SUNIT II		L	.75	qt pr/A	3TR					
18	LIQUID N		L	1	qt pr/A	3TR					
19	DETAIL	4.1	EC	1.03	lb ai/A	PRE	0	100	100	100	87
19	FRONTIER	7.5	EC	.25	lb ai/A	PRE					
20	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	97	93	100	100
20	COBRA	2	L	.15	lb ai/A	MP					
20	SELECT	2	EC	.094	lb ai/A	MP					
20	COC		L	.5	qt pr/A	MP					
21	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	87	97	100	100
21	REFLEX	2	EC	.375	lb ai/A	MP					
21	COC		L	.5	qt pr/A	MP					
22	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	90	97	100	100
22	BASAGRAN	4	EC	.75	lb ai/A	MP					
22	COC		L	1	qt pr/A	MP					
23	MON 7740	3	F	.42	lb ai/A	PRE	0	100	97	97	43
23	MICRO TECH	4	ME	2.5	lb ai/A	PRE					
24	MON 7740	3	F	.42	lb ai/A	PRE	0	100	100	97	83
24	MICRO TECH	4	ME	2.5	lb ai/A	PRE					
24	SCEPTER	70	DF	.063	lb ai/A	PRE					
25	MICRO TECH	4	ME	2.5	lb ai/A	PRE	0	93	100	100	37
25	COMMAND	4	EC	.42	lb ai/A	PRE					
26	MICRO TECH	4	ME	2.5	lb ai/A	PRE	0	100	97	100	60
26	COMMAND	4	EC	.75	lb ai/A	PRE					
27	MICRO TECH	4	ME	2.5	lb ai/A	PRE	0	90	100	100	77
27	AUTHORITY	75	DF	.375	lb ai/A	PRE					
28	MICRO TECH	4	ME	2.5	lb ai/A	PRE	0	97	100	100	90
28	AUTHORITY	75	DF	.375	lb ai/A	PRE					
28	SENCOR 75DF	75	DF	.25	lb ai/A	PRE					
29	MICRO TECH	4	ME	2.5	lb ai/A	PRE	0	100	100	100	80
29	AUTHORITY	75	DF	.375	lb ai/A	PRE					
29	SENCOR 75DF	75	DF	.38	lb ai/A	PRE					
30	AXIOM	68	DF	.77	lb ai/A	PRE	0	90	90	97	43
31	AXIOM	68	DF	.77	lb ai/A	PRE	0	100	100	100	100
31	REFLEX	2	EC	.375	lb ai/A	MP					
31	COC		L	1	qt pr/A	MP					

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	CHEAL	IPHE	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt Treatment No	Name	Form	Fm	Rate	Unit	Grow	Stg					
32	AXIOM	68	DF	.77	lb ai/A	PRE		0	100	93	100	100
32	PURSUIT	70	DF	.032	lb ai/A	MP						
32	COC		L	.5	qt pr/A	MP						
32	LIQUID N		L	1	qt pr/A	MP						
LSD (P=.05)								0.0	12.4	8.1	6.0	20.6
Standard Deviation								0.0	7.6	5.0	3.7	12.6
CV								.	8.01	5.15	3.75	17.13

19-9-95 (S5011)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

SOYBEAN PREEMERGENCE

Project Code: S5011  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN	Variety: FLYER	Planting Date: 16-5-95
Planting Method: ROWS	Rate, Unit: 12 , FT	Depth, Unit: 1 , IN
	Row Spacing, Unit: 30 , IN	
Soil Temp., Unit: 60 , F	Soil Moisture: HIGH	Emergence Date: 23-5-95
Plot Width/Area, Unit: 5 , FT	Plot Length, Unit: 44 , FT	Reps: 3
Tillage Type: CONV	Seed Bed Desc.: CONV	Ground Cover: 100
	Study Design: RCB	

Soil Description

Texture: SILT LOAM	% OM: 3.41	% Sand: 7.04	% Silt: 68.0	% Clay: 24.6
pH: 6.2	CEC: 20.9	Soil Name: MAURY	Fertility Level: MEDIUM	

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	16-5-95					
Time of Day:	10 AM					
Application Method:	PRE					
Application Timing:	PRE					
Air Temp., Unit:	70 , F					
Wind Velocity, Unit:	3 , MPH					
Soil Temp., Unit:	60 , F					
% Cloud Cover:	99					
Weed Species	Weed Stage, Density at Application					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	20	20	5FT	25	WATER	30

SOYBEAN PREEMERGENCE II

Project Code:S5012  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU
1	DUAL	8	EC	2 lb	ai/A	PRE	100	67	0	100	60	80	77
2	MICRO TECH	4	ME	2.5 lb	ai/A	PRE	93	73	0	93	67	73	77
3	FRONTIER	7.5	EC	1.2 lb	ai/A	PRE	97	77	0	97	63	83	87
4	SENCOR 75DF	75	DF	.38 lb	ai/A	PRE	87	80	0	87	70	93	73
5	COBRA	2	L	.25 lb	ai/A	PRE	70	67	0	70	63	63	70
6	COBRA	2	L	.3 lb	ai/A	PRE	77	70	0	77	70	70	73
7	COBRA	2	L	.25 lb	ai/A	PRE	100	80	0	100	67	83	80
7	DUAL	8	EC	2 lb	a /A	PRE							
8	COBRA	2	L	.3 lb	ai/A	PRE	100	73	0	100	60	90	77
8	DUAL	8	EC	2 lb	ai/A	PRE							
9	COBRA	2	L	.25 lb	ai/A	PRE	93	87	7	93	73	87	80
9	FRONTIER	7.5	EC	1.2 lb	ai/A	PRE							
10	COBRA	2	L	.3 lb	ai/A	PRE	100	83	3	100	73	80	77
10	FRONTIER	7.5	EC	1.2 lb	ai/A	PRE							
11	COBRA	2	L	.25 lb	ai/A	PRE	100	70	0	100	63	77	77
11	MICRO TECH	4	ME	2.5 lb	ai/A	PRE							
12	COBRA	2	L	.3 lb	ai/A	PRE	93	70	0	93	63	80	77
12	LASSO MT	4	ME	2.5 lb	ai/A	PRE							
13	COBRA	2	L	.25 lb	ai/A	PRE	83	73	0	83	70	87	73
13	SENCOR 75DF	75	DF	.38 lb	ai/A	PRE							
14	COMMAND	4	EC	.75 lb	ai/A	PRE	100	93	0	100	90	97	90
14	SCEPTER	70	DF	.093 lb	ai/A	PRE							
15	COMMAND	4	EC	.75 lb	ai/A	PRE	100	87	0	100	80	97	90
15	CANOPY	75	DF	.28 lb	ai/A	PRE							
16	COMMAND	4	EC	.75 lb	ai/A	PRE	100	90	0	100	93	100	90
16	PURSUIT	70	DF	.031 lb	ai/A	MP							
16	SUNIT II	L		.5 qt	pr/A	MP							
16	LIQUID N	L		1 qt	pr/A	MP							

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU
		Amt	Ds			Stg	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
17	COMMAND	4	EC	.75	lb ai/A	PRE	100	100	0	100	100	100	97
17	PURSUIT	70	DF	.045	lb ai/A	MP							
17	SUNIT II		L	.5	qt pr/A	MP							
17	LIQUID N		L	1	qt pr/A	MP							
18	COMMAND	4	EC	.75	lb ai/A	PRE	100	100	10	100	100	100	100
18	REFLEX	2	EC	.375	lb ai/A	MP							
18	COC		L	1	qt pr/A	MP							
19	COMMAND	4	EC	.75	lb ai/A	PRE	100	93	10	100	100	100	93
19	PURSUIT	70	DF	.031	lb ai/A	MP							
19	COBRA	2	L	.063	lb ai/A	MP							
19	COC		L	.5	qt pr/A	MP							
20	AUTHORITY	75	DF	.3125	lb ai/A	PRE	100	90	0	100	90	100	100
20	COMMAND	4	EC	.75	lb ai/A	PRE							
21	AUTHORITY	75	DF	.375	lb ai/A	PRE	100	90	0	100	87	100	100
21	COMMAND	4	EC	.75	lb ai/A	PRE							
22	AUTHORITY	75	DF	.375	lb ai/A	PRE	97	80	0	97	70	97	97
22	PROWL	3.3	EC	.75	lb ai/A	PRE							
23	AUTHORITY	75	DF	.3125	lb ai/A	PRE	100	97	0	100	90	100	100
23	DUAL	8	EC	3	lb ai/A	PRE							
24	AUTHORITY	75	DF	.375	lb ai/A	PRE	100	100	0	100	100	100	100
24	DUAL	8	EC	3	lb ai/A	PRE							
25	AUTHORITY	75	DF	.3125	lb ai/A	PRE	100	93	0	100	93	100	100
25	SCEPTER	70	DF	.063	lb ai/A	PRE							
25	DUAL	8	EC	2	lb ai/A	PRE							
26	AUTHORITY	75	DF	.375	lb ai/A	PRE	97	100	0	97	100	100	100
26	PURSUIT	70	DF	.031	lb ai/A	MP							
26	SUNIT II		L	.5	qt pr/A	MP							
26	LIQUID N		L	1	qt pr/A	MP							
27	AUTHORITY	75	DF	.3125	lb ai/A	PRE	97	93	0	97	93	100	100
27	SENCOR 75DF	75	DF	.188	lb ai/A	PRE							
27	DUAL	8	EC	2	lb ai/A	PRE							
LSD (P=.05)							7.8	9.9	2.5	7.8	9.9	11.7	11.2
Standard Deviation							4.8	6.1	1.6	4.8	6.1	7.2	6.9
CV							5.02	7.2	140.05	5.02	7.64	7.96	7.89

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SOYBEAN PREEMERGENCE II

Project Code:S5012  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow	GLYMA	SETFA	XANST	CHEAL	PHBPU
		Amt	Ds	Rate	Unit	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
1	DUAL	8	EC	2 lb	ai/A PRE	0	100	60	77	77
2	MICRO TECH	4	ME	2.5 lb	ai/A PRE	0	93	67	73	77
3	FRONTIER	7.5	EC	1.2 lb	ai/A PRE	0	97	60	80	87
4	SENCOR 75DF	75	DF	.38 lb	ai/A PRE	0	87	70	93	73
5	COBRA	2	L	.25 lb	ai/A PRE	0	67	63	63	70
6	COBRA	2	L	.3 lb	ai/A PRE	0	77	63	67	73
7	COBRA	2	L	.25 lb	ai/A PRE	0	100	63	83	80
7	DUAL	8	EC	2 lb	ai/A PRE					
8	COBRA	2	L	.3 lb	ai/A PRE	0	100	60	90	77
8	DUAL	8	EC	2 lb	ai/A PRE					
9	COBRA	2	L	.25 lb	ai/A PRE	0	93	67	87	80
9	FRONTIER	7.5	EC	1.2 lb	ai/A PRE					
10	COBRA	2	L	.3 lb	ai/A PRE	0	97	73	80	77
10	FRONTIER	7.5	EC	1.2 lb	ai/A PRE					
11	COBRA	2	L	.25 lb	ai/A PRE	0	100	60	77	77
11	MICRO TECH	4	ME	2.5 lb	ai/A PRE					
12	COBRA	2	L	.3 lb	ai/A PRE	0	93	63	80	77
12	LASSO MT	4	ME	2.5 lb	ai/A PRE					
13	COBRA	2	L	.25 lb	ai/A PRE	0	83	70	87	73
13	SENCOR 75DF	75	DF	.38 lb	ai/A PRE					
14	COMMAND	4	EC	.75 lb	ai/A PRE	0	100	87	97	90
14	SCEPTER	70	DF	.093 lb	ai/A PRE					
15	COMMAND	4	EC	.75 lb	ai/A PRE	0	100	80	97	90
15	CANOPY	75	DF	.28 lb	ai/A PRE					
16	COMMAND	4	EC	.75 lb	ai/A PRE	0	100	97	100	90
16	PURSUIT	70	DF	.031 lb	ai/A MP					
16	SUNIT II		L	.5 qt	pr/A MP					
16	LIQUID N		L	1 qt	pr/A MP					

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	XANST	CHEAL	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	9 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	PHBPU CONTROL PERCENT
17	COMMAND	4	EC	.75	lb ai/A	PRE	0	100	100	100	97
17	PURSUIT	70	DF	.045	lb ai/A	MP					
17	SUNIT II	L		.5	qt pr/A	MP					
17	LIQUID N	L		1	qt pr/A	MP					
18	COMMAND	4	EC	.75	lb ai/A	PRE	0	100	100	100	100
18	REFLEX	2	EC	.375	lb ai/A	MP					
18	COC	L		1	qt pr/A	MP					
19	COMMAND	4	EC	.75	lb ai/A	PRE	0	100	100	100	93
19	PURSUIT	70	DF	.031	lb ai/A	MP					
19	COBRA	2	L	.063	lb ai/A	MP					
19	COC	L		.5	qt pr/A	MP					
20	AUTHORITY	75	DF	.3125	lb ai/A	PRE	0	100	90	100	100
20	COMMAND	4	EC	.75	lb ai/A	PRE					
21	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	100	87	100	100
21	COMMAND	4	EC	.75	lb ai/A	PRE					
22	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	97	70	97	97
22	PROWL	3.3	EC	.75	lb ai/A	PRE					
23	AUTHORITY	75	DF	.3125	lb ai/A	PRE	0	100	90	100	100
23	DUAL	8	EC	3	lb ai/A	PRE					
24	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	100	97	100	100
24	DUAL	8	EC	3	lb ai/A	PRE					
25	AUTHORITY	75	DF	.3125	lb ai/A	PRE	0	100	93	100	100
25	SCEPTER	70	DF	.063	lb ai/A	PRE					
25	DUAL	8	EC	2	lb ai/A	PRE					
26	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	97	100	100	100
26	PURSUIT	70	DF	.031	lb ai/A	MP					
26	SUNIT II	L		.5	qt pr/A	MP					
26	LIQUID N	L		1	qt pr/A	MP					
27	AUTHORITY	75	DF	.3125	lb ai/A	PRE	0	97	93	100	100
27	SENCOR 75DF	75	DF	.188	lb ai/A	PRE					
27	DUAL	8	EC	2	lb ai/A	PRE					

LSD (P=.05)	0.0	7.5	10.8	12.2	11.2
Standard Deviation	0.0	4.6	6.6	7.5	6.9
CV		4.79	8.38	8.32	7.89

26-9-95 (S5012)

Site Description Page 1 of 1

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN PREEMERGENCE II

Project Code:S5012  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Site Description

Crop: SOYBEAN  
Planting Method: ROWS  
Soil Temp., Unit: 60 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONV  
Variety: FLYER  
Rate; Unit: 12 , FT  
Row Spacing, Unit: 30 , IN  
Soil Moisture: HIGH  
Plot Length, Unit: 44 , FT  
Seed Bed Desc.: CONV  
Study Design: RCB  
Planting Date: 16-5-95  
Depth, Unit: 1 , IN  
Emergence Date: 23-5-95  
Reps: 3

Soil Description

Texture: SILT LOAM  
pH: 6.2 CEC: 20.0  
% OM: 3.41 % Sand: 7.04 % Silt: 68.0 % Clay: 24.8  
Soil Name: MAURY  
Fertility Level: MEDIUM

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	16-5-95					
Time of Day:	10 AM					
Application Method:	BROADCAST					
Application Timing:	PRE					
Air Temp., Unit:	70 ,F					
Wind Velocity, Unit:	3 ,MPH					
Soil Temp., Unit:	60 ,F					
% Cloud Cover:	99					

Weed Species Weed Stage, Density at Application

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	20	20	5FT	25	WATER	30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN PREPLANT INCORPORATED

Project Code:S5013  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	XANST	AMACH	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	AMACH CONTROL PERCENT	CHEAL CONTROL PERCENT
1	TREFLAN	4	EC	.75	lb ai/A	PPI	57	37	0	57	17	73	50
2	COMMAND	4	EC	1	lb ai/A	PPI	63	40	0	77	13	23	80
3	PROWL	3.3	EC	1.23	lb ai/A	PPI	73	27	0	73	0	73	90
4	SCEPTER	70	DF	.125	lb ai/A	PPI	57	83	0	57	77	97	97
5	DETAIL	4.1	EC	1.03	lb ai/A	PPI	73	70	0	73	57	93	97
6	COMMAND	4	EC	.75	lb ai/A	PPI	93	47	0	93	37	87	97
6	PROWL	3.3	EC	.75	lb ai/A	PPI							
7	AUTHORITY	75	DF	.3125	lb ai/A	PPI	60	50	0	63	30	90	100
8	AUTHORITY	75	DF	.375	lb ai/A	PPI	70	67	0	70	57	90	100
8	TREFLAN	4	EC	.75	lb ai/A	PPI							
9	AUTHORITY	75	DF	.3125	lb ai/A	PPI	83	80	0	87	70	93	97
9	COMMAND	4	EC	.75	lb ai/A	PPI							
10	AUTHORITY	75	DF	.375	lb ai/A	PPI	83	50	0	87	30	90	100
10	COMMAND	4	EC	.75	lb ai/A	PPI							
11	AUTHORITY	75	DF	.375	lb ai/A	PPI	83	67	0	83	57	100	100
11	PROWL	3.3	EC	.75	lb ai/A	PPI							
12	FIRSTRATE	84	W	.031	lb ai/A	PPI	67	67	0	67	53	83	97
12	TREFLAN	4	EC	1	lb ai/A	PPI							
13	FIRSTRATE	84	W	.039	lb ai/A	PPI	77	80	0	80	73	90	100
13	TREFLAN	4	EC	1	lb ai/A	PPI							
14	TREFLAN	4	EC	1	lb ai/A	PPI	80	90	0	80	90	90	87
14	FIRSTRATE	84	W	.016	lb ai/A	MP							
14	COC	L		1	qt pr/A	MP							
15	TREFLAN	4	EC	1	lb ai/A	PPI	87	90	0	90	90	97	100
15	FIRSTRATE	84	W	.016	lb ai/A	MP							
15	BLAZER	2	EC	.25	lb ai/A	MP							
15	COC	L		1	qt pr/A	MP							
16	TREFLAN	4	EC	1	lb ai/A	PPI	97	90	0	97	90	97	100
16	PURSUIT	70	DF	.063	lb ai/A	MP							
16	SUNIT II	L		.5	qt pr/A	MP							
16	LIQUID N	L		1	qt pr/A	MP							

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	XANST	AMACH	CHEAL
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	AMACH	CHEAL
No	Name	Amt	Ds	Rate	Unit	Stg	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
17	TREFLAN	4	EC	1	lb ai/A	PPI	80	90	0	87	93	97	97
17	REFLEX	2	EC	.375	lb ai/A	MP							
17	COC		L	1	qt pr/A	MP							
18	BROADSTRIKE + TREFLA	3.65	E	.91	lb ai/A	PPI	80	97	0	83	97	97	100
18	REFLEX	2	EC	.375	lb ai/A	MP							
18	COC		L	1	qt pr/A	MP							
19	BROADSTRIKE + TREFLA	3.65	E	.91	lb ai/A	PPI	80	90	0	80	90	100	100
19	CLASSIC	25	DF	.008	lb ai/A	MP							
19	X-77			.25	% v/v	MP							
20	BROADSTRIKE + TREFLA	3.65	E	.91	lb ai/A	PPI	93	87	7	93	90	97	100
20	STORM	2	EC	.75	lb ai/A	MP							
20	COC		L	1	qt pr/A	MP							
21	TREFLAN	4	EC	.75	lb ai/A	PPI	70	90	0	70	87	100	100
21	CANOPY	75	DF	.28	lb ai/A	PPI							
21	CLASSIC	25	DF	.008	lb ai/A	MP							
21	X-77			.25	% v/v	MP							
22	DUAL	8	EC	2	lb ai/A	PPI	83	73	0	83	53	90	93
22	SCEPTER	70	DF	.125	lb ai/A	PPI							
23	SQUADRON	2.33	EC	.87	lb ai/A	PPI	83	83	0	83	80	100	100
23	PROWL	3.3	EC	.41	lb ai/A	PPI							
24	DUAL	8	EC	2	lb ai/A	PPI	73	63	0	73	50	83	100
24	CANOPY	75	DF	.23	lb ai/A	PPI							
25	PROWL	3.3	EC	1.23	lb ai/A	PPI	93	90	3	93	90	97	97
25	PURSUIT	70	DF	.063	lb ai/A	MP							
25	SUNIT II		L	.5	qt pr/A	MP							
25	LIQUID N		L	1	qt pr/A	MP							
26	BROADSTRIKE + DUAL	7.67	SC	2.17	lb ai/A	PPI	80	60	0	83	40	93	100
27	PROWL	3.3	EC	1	lb ai/A	PPI	100	90	0	100	90	100	100
27	AC 299,263	1	E	.032	lb ai/A	MP							
27	SUNIT II		L	.75	qt pr/A	MP							
27	LIQUID N		L	1	qt pr/A	MP							
28	PROWL	3.3	EC	1	lb ai/A	PPI	93	87	0	93	83	100	100
28	AC 299,263	1	E	.040	lb ai/A	MP							
28	SUNIT II		L	.75	qt pr/A	MP							
28	LIQUID N		L	1	qt pr/A	MP							
29	AC 299,263	1	E	.032	lb ai/A	MP	90	83	0	90	80	100	90
29	SUNIT II		L	.75	qt pr/A	MP							
29	LIQUID N		L	1	qt pr/A	MP							

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SOYBEAN PREPLANT INCORPORATED

Project Code:S5013  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	XANST	AMACH	CHEAL
INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P
0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	XANST	AMACH	CHEAL
1	TREFLAN	4	EC	.75	lb ai/A	PPI	0	57	13	73	60
2	COMMAND	4	EC	1	lb ai/A	PPI	0	53	7	10	53
3	PROWL	3.3	EC	1.23	lb ai/A	PPI	0	73	0	77	90
4	SCEPTER	70	DF	.125	lb ai/A	PPI	0	60	73	97	97
5	DETAIL	4.1	EC	1.03	lb ai/A	PPI	0	77	53	97	97
6	COMMAND	4	EC	.75	lb ai/A	PPI	0	93	10	90	97
6	PROWL	3.3	EC	.75	lb ai/A	PPI					
7	AUTHORITY	75	DF	.3125	lb ai/A	PPI	0	67	20	93	100
8	AUTHORITY	75	DF	.375	lb ai/A	PPI	0	47	23	60	67
8	TREFLAN	4	EC	.75	lb ai/A	PPI					
9	AUTHORITY	75	DF	.3125	lb ai/A	PPI	0	93	63	97	97
9	COMMAND	4	EC	.75	lb ai/A	PPI					
10	AUTHORITY	75	DF	.375	lb ai/A	PPI	0	87	23	90	100
10	COMMAND	4	EC	.75	lb ai/A	PPI					
11	AUTHORITY	75	DF	.375	lb ai/A	PPI	0	80	47	100	100
11	PROWL	3.3	EC	.75	lb ai/A	PPI					
12	FIRSTRATE	84	W	.031	lb ai/A	PPI	0	67	43	90	97
12	TREFLAN	4	EC	1	lb ai/A	PPI					
13	FIRSTRATE	84	W	.039	lb ai/A	PPI	0	87	60	93	100
13	TREFLAN	4	EC	1	lb ai/A	PPI					
14	TREFLAN	4	EC	1	lb ai/A	PPI	0	83	93	93	93
14	FIRSTRATE	84	W	.016	lb ai/A	MP					
14	COC	L		1	qt pr/A	MP					
15	TREFLAN	4	EC	1	lb ai/A	PPI	0	97	100	100	100
15	FIRSTRATE	84	W	.016	lb ai/A	MP					
15	BLAZER	2	EC	.25	lb ai/A	MP					
15	COC	L		1	qt pr/A	MP					
16	TREFLAN	4	EC	1	lb ai/A	PPI	0	100	97	100	100
16	PURSUIT	70	DF	.063	lb ai/A	MP					
16	SUNIT II	L		.5	qt pr/A	MP					
16	LIQUID N	L		1	qt pr/A	MP					

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA INJURY PERCENT 8 WEEK	SETFA CONTROL PERCENT 8 WEEK	XANST CONTROL PERCENT 8 WEEK	AMACH CONTROL PERCENT 8 WEEK	CHEAL CONTROL PERCENT 8 WEEK
P	P	P	P	P
0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GLYMA	SETFA	XANST	AMACH	CHEAL
30	AC 299,263	1	E	.040	lb ai/A	MP		0	97	97	100	100
30	SUNIT II		L	.75	qt pr/A	MP						
30	LIQUID N		L	1	qt pr/A	MP						
31	POAST PLUS	1	EC	.188	lb ai/A	MP		0	83	87	43	80
31	BASAGRAN	4	EC	.75	lb ai/A	MP						
31	LIQUID N		L	1	qt pr/A	MP						
31	DASH			1	qt pr/A	MP						
32	ASSURE II	.88	EC	.055	lb ai/A	MP		3	90	93	97	97
32	SYNCHRONY STS	25	DF	.013	lb ai/A	MP						
32	X-77			.25	% v/v	MP						
33	PURSUIT	70	DF	.063	lb ai/A	MP		0	90	90	100	93
33	PINNACLE	25	DF	.003	lb ai/A	MP						
33	LIQUID N		L	1	qt pr/A	MP						
33	X-77			.25	% v/v	MP						
34	PURSUIT	70	DF	.063	lb ai/A	MP		0	90	93	100	90
34	COBRA	2	L	.063	lb ai/A	MP						
34	LIQUID N		L	1	qt pr/A	MP						
34	X-77			.25	% v/v	MP						
35	POAST PLUS	1	EC	.188	lb ai/A	MP		0	77	87	100	87
35	GALAXY	3.67	EC	.7	lb ai/A	MP						
35	DASH			1	qt pr/A	MP						
LSD (P=.05)								1.6	23.5	29.0	22.9	24.5
Standard Deviation								1.0	14.4	17.7	14.0	15.0
CV								1024.7	17.48	27.06	15.43	15.98

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SOYBEAN POSTEMERGENCE

Project Code:S5014  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
1	DUAL II	7.8	EC	1.95	lb ai/A	PRE	93	83	0	93	100	100	87	100	87
1	CGA 277476	75	WP	.07	lb ai/A	MP									
1	SPREADER 80			.25	% v/v	MP									
2	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	87	0	97	93	100	80	100	90
2	CGA 277476	75	WP	.07	lb ai/A	MP									
2	SPREADER 80			.25	% v/v	MP									
2	LIQUID N		L	2	qt pr/A	MP									
3	DUAL II	7.8	EC	1.95	lb ai/A	PRE	90	90	0	90	97	100	93	93	90
3	CGA 277476	75	WP	.058	lb ai/A	MP									
3	ACTION	5	W	.0036	lb ai/A	MP									
3	SPREADER 80			.25	% v/v	MP									
4	PURSUIT	70	DF	.063	lb ai/A	MP	100	67	0	100	100	100	67	97	87
4	SPREADER 80			.25	% v/v	MP									
5	PURSUIT	70	DF	.063	lb ai/A	MP	97	90	0	97	97	100	83	100	90
5	ACTION	5	W	.0036	lb ai/A	MP									
5	SPREADER 80			.25	% v/v	MP									
5	LIQUID N		L	2	qt pr/A	MP									
6	CGA 277476	75	WP	.058	lb ai/A	MP	47	73	0	47	90	100	50	100	97
6	COBRA	2	L	.063	lb ai/A	MP									
6	SPREADER 80			.25	% v/v	MP									
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE	77	80	0	77	97	100	87	100	80
7	ACTION	5	W	.0027	lb ai/A	LP									
7	SPREADER 80			.25	% v/v	LP									
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	80	0	97	90	100	87	97	87
8	ACTION	5	W	.0036	lb ai/A	LP									
8	SPREADER 80			.25	% v/v	LP									
9	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	90	0	97	97	100	90	93	90
9	ACTION	5	W	.0045	lb ai/A	LP									
9	SPREADER 80			.25	% v/v	LP									
10	DUAL II	7.8	EC	1.95	lb ai/A	PRE	93	93	0	93	97	100	100	100	97
10	ACTION	5	W	.0135	lb ai/A	LP									
10	SPREADER 80			.25	% v/v	LP									
11	DUAL II	7.8	EC	1.95	lb ai/A	PRE	90	90	0	90	90	100	90	100	93
11	RESOURCE	.86	EC	.027	lb ai/A	LP									
11	SPREADER 80			.25	% v/v	LP									

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	AMARE CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBTR CONTROL PERCENT	PHBPU CONTROL PERCENT
4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
12	DUAL II	7.8	EC	1.95	lb ai/A	PRE	93	93	0	93	100	100	93	100	97
12	RESOURCE	.86	EC	.054	lb ai/A	LP									
12	SPREADER 80			.25	% v/v	LP									
13	DUAL II	7.8	EC	1.95	lb ai/A	PRE	97	93	0	97	100	100	97	100	97
13	RESOURCE	.86	EC	.081	lb ai/A	LP									
13	SPREADER 80			.25	% v/v	LP									
14	MICRO TECH	4	ME	2.5	lb ai/A	PRE	93	80	0	93	100	100	73	100	93
14	FIRSTRATE	84	W	.016	lb ai/A	MP									
14	COC		L	1.2	qt pr/A	MP									
15	MICRO TECH	4	ME	2.5	lb ai/A	PRE	93	93	0	93	100	100	93	100	97
15	FIRSTRATE	84	W	.016	lb ai/A	MP									
15	BLAZER	2	EC	.25	lb ai/A	MP									
15	COC		L	1.2	qt pr/A	MP									
16	MICRO TECH	4	ME	2.5	lb ai/A	PRE	90	90	0	90	100	100	97	100	90
16	STORM	4	EC	.9	lb ai/A	MP									
16	COC		L	1.2	qt pr/A	MP									
17	MICRO TECH	4	ME	2.5	lb ai/A	PRE	100	93	0	100	100	100	97	100	87
17	PURSUIT	70	DF	.063	lb ai/A	MP									
17	SUNIT II		L	.5	qt pr/A	MP									
17	LIQUID N		L	1	qt pr/A	MP									
18	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	97	93	0	97	100	100	100	100	97
18	REFLEX	2	EC	.375	lb ai/A	MP									
18	SPREADER 80			.25	% v/v	MP									
19	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	100	90	0	100	100	100	100	100	90
19	CLASSIC	25	DF	.008	lb ai/A	MP									
19	SPREADER 80			.25	% v/v	MP									
20	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	97	87	0	97	93	100	100	97	83
20	STORM	4	EC	.75	lb ai/A	MP									
20	SPREADER 80			.25	lb ai/A	MP									
21	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	97	93	0	97	97	100	100	100	93
21	REFLEX	2	EC	.375	lb ai/A	MP									
21	SPREADER 80			.25	% v/v	MP									
22	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	97	90	0	97	100	100	100	100	93
22	CLASSIC	25	DF	.008	lb ai/A	MP									
22	SPREADER 80			.25	% v/v	MP									
23	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	100	90	0	100	100	100	100	100	87
23	STORM	4	EC	.75	lb ai/A	MP									
23	SPREADER 80			.25	lb ai/A	MP									



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
24	DUAL	8	EC	2 lb ai/A	PRE		100	90	0	100	100	100	100	100	90
24	CANOPY	75	DF	.28 lb ai/A	PRE										
24	CLASSIC	25	DF	.008 lb ai/A	MP										
24	SPREADER 80			.25 % v/v	MP										
25	DUAL	8	EC	2 lb ai/A	PRE		97	90	0	97	100	100	100	100	90
25	SCEPTER	70	DF	.125 lb ai/A	PRE										
25	SCEPTER OT	2.5	EC	.31 lb ai/A	MP										
25	SPREADER 80			.25 % v/v	MP										
26	CHECK WEEDY						0	0	0	0	0	0	0	0	0
LSD (P=.05)							14.0	9.1	0.0	14.0	8.3	0.0	11.8	4.2	9.8
Standard Deviation							8.5	5.5	0.0	8.5	5.0	0.0	7.2	2.6	5.9
CV							9.49	6.54	.	9.49	5.36	0.0	8.22	2.7	6.81

SOYBEAN POSTEMERGENCE

Project Code: S5014  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
INJURY CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
1	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	93	100	100	87	97	90
1	CGA 277476	75	WP	.07	lb ai/A	MP							
1	SPREADER 80			.25	% v/v	MP							
2	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	93	97	100	77	100	87
2	CGA 277476	75	WP	.07	lb ai/A	MP							
2	SPREADER 80			.25	% v/v	MP							
2	LIQUID N		L	2	qt pr/A	MP							
3	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	97	100	93	93	87
3	CGA 277476	75	WP	.058	lb ai/A	MP							
3	ACTION	5	W	.0036	lb ai/A	MP							
3	SPREADER 80			.25	% v/v	MP							
4	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	100	100	40	100	93
4	SPREADER 80			.25	% v/v	MP							
5	PURSUIT	70	DF	.063	lb ai/A	MP	0	97	97	100	87	100	90
5	ACTION	5	W	.0036	lb ai/A	MP							
5	SPREADER 80			.25	% v/v	MP							
5	LIQUID N		L	2	qt pr/A	MP							
6	CGA 277476	75	WP	.058	lb ai/A	MP	0	57	93	100	57	100	97
6	COBRA	2	L	.063	lb ai/A	MP							
6	SPREADER 80			.25	% v/v	MP							
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	73	90	97	87	100	77
7	ACTION	5	W	.0027	lb ai/A	LP							
7	SPREADER 80			.25	% v/v	LP							
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	93	97	100	87	93	87
8	ACTION	5	W	.0036	lb ai/A	LP							
8	SPREADER 80			.25	% v/v	LP							
9	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	97	93	100	90	90	87
9	ACTION	5	W	.0045	lb ai/A	LP							
9	SPREADER 80			.25	% v/v	LP							
10	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	90	97	100	90	93	90
10	ACTION	5	W	.0135	lb ai/A	LP							
10	SPREADER 80			.25	% v/v	LP							
11	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	87	97	100	90	100	90
11	RESOURCE	.86	EC	.027	lb ai/A	LP							
11	SPREADER 80			.25	% v/v	LP							

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA INJURY CONTROL PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	AMARE CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBTR CONTROL PERCENT	PHBPU CONTROL PERCENT
8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
12	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	93	100	100	90	97	97
12	RESOURCE	.86	EC	.054	lb ai/A	LP								
12	SPREADER 80			.25	% v/v	LP								
13	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	97	100	100	90	97	97
13	RESOURCE	.86	EC	.081	lb ai/A	LP								
13	SPREADER 80			.25	% v/v	LP								
14	MICRO TECH	4	ME	2.5	lb ai/A	PRE		0	87	100	100	63	100	90
14	FIRSTRATE	84	W	.016	lb ai/A	MP								
14	COC		L	1.2	qt pr/A	MP								
15	MICRO TECH	4	ME	2.5	lb ai/A	PRE		0	87	100	100	97	97	93
15	FIRSTRATE	84	W	.016	lb ai/A	MP								
15	BLAZER	2	EC	.25	lb ai/A	MP								
15	COC		L	1.2	qt pr/A	MP								
16	MICRO TECH	4	ME	2.5	lb ai/A	PRE		0	87	100	100	100	93	90
16	STORM	4	EC	.9	lb ai/A	MP								
16	COC		L	1.2	qt pr/A	MP								
17	MICRO TECH	4	ME	2.5	lb ai/A	PRE		0	97	100	100	97	100	90
17	PURSUIT	70	DF	.063	lb ai/A	MP								
17	SUNIT II		L	.5	qt pr/A	MP								
17	LIQUID N		L	1	qt pr/A	MP								
18	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE		0	97	100	100	100	100	90
18	REFLEX	2	EC	.375	lb ai/A	MP								
18	SPREADER 80			.25	% v/v	MP								
19	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE		0	97	100	100	100	100	90
19	CLASSIC	25	DF	.008	lb ai/A	MP								
19	SPREADER 80			.25	% v/v	MP								
20	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE		0	93	100	100	100	97	83
20	STORM	4	EC	.75	lb ai/A	MP								
20	SPREADER 80			.25	lb ai/A	MP								
21	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE		0	97	100	100	100	100	87
21	REFLEX	2	EC	.375	lb ai/A	MP								
21	SPREADER 80			.25	% v/v	MP								
22	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE		0	90	100	100	100	100	93
22	CLASSIC	25	DF	.008	lb ai/A	MP								
22	SPREADER 80			.25	% v/v	MP								
23	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE		0	100	100	100	100	100	83
23	STORM	4	EC	.75	lb ai/A	MP								
23	SPREADER 80			.25	lb ai/A	MP								

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	XANST	AMARE	CHEAL	AMBTR	PHBPU
INJURY CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY CONTROL PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	AMARE CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBTR CONTROL PERCENT	PHBPU CONTROL PERCENT
24	DUAL	8	EC	2	lb ai/A	PRE	0	100	100	100	100	100	90
24	CANOPY	75	DF	.28	lb ai/A	PRE							
24	CLASSIC	25	DF	.008	lb ai/A	MP							
24	SPREADER 80			.25	% v/v	MP							
25	DUAL	8	EC	2	lb ai/A	PRE	0	97	100	100	100	100	87
25	SCEPTER	70	DF	.125	lb ai/A	PRE							
25	SCEPTER OT	2.5	EC	.31	lb ai/A	MP							
25	SPREADER 80			.2	% v/v	MP							
26	CHECK WEEDY						0	0	0	0	0	0	0
	LSD (P=.05)						0.0	13.8	7.4	1.9	14.6	6.5	9.4
	Standard Deviation						0.0	8.4	4.5	1.1	8.9	4.0	5.7
	CV							9.53	4.75	1.18	10.37	4.2	6.66

19-9-95 (S5014)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

SOYBEAN POSTEMERGENCE

Project Code: S5014  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 15-5-95  
Planting Method: ROWS Rate, Unit: 12 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 30 , IN  
Soil Temp., Unit: 60 , F  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Seed Bed Desc.: CONV  
Tillage Type: CONV Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 3.41 % Sand: 7.04 % Silt: 68.1 % Clay: 24.8  
pH: 6.2 CEC: 20.9 Soil Name: MAURY

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

	A	B	C	D	E	F
Application Date:	16-5-95	8-6-95	19-6-95			
Time of Day:	2 PM	3 PM	11 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	MP	LP			
Air Temp., Unit:	65 ,F	80 ,F	80 ,F			
% Relative Humidity:	70	65	70			
Wind Velocity, Unit:	3.5 ,MPH	4 ,MPH	4 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	65 ,F	70 ,F	78 ,F			
Soil Moisture:	HIGH	HIGH	MEDIUM			
% Cloud Cover:	80	30	20			
Weed Species	Weed Stage, Density at Application					
SETFA	4" ,3L	6" ,6L				
XANST	4" ,4L	8" ,6L				
CHEAL	3" ,6L	5" ,5L				
AMBTR	4" ,6L	8" ,8L				
PHBPU	4" ,3L	8" ,6L				

Application Equipment

	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. C02	4 WHEELER	4	FLAT FAN	8004	20"	20"	5'	25	WATER	30
B. C02		4	FLAT FAN	8004	20"	20"	5'	25	WATER	30
C. C02		4	FLAT FAN	8004	20"	20"	5'	25	WATER	30

SOYBEAN POSTEMERGENCE II

Project Code: S5015  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	22-6-95	22-6-95	22-6-95	22-6-95	22-6-95	22-6-95	22-6-95
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
No	Name	Amt	Ds	Rate	Unit	Stg							
1	PURSUIT	70	DF	.063	lb ai/A	MP	100	80	0	100	70	90	90
1	SUNIT II		L	.75	qt pr/A	MP							
1	LIQUID N		L	1	qt pr/A	MP							
2	PURSUIT	70	DF	.063	lb ai/A	MP	100	77	0	100	70	90	90
2	SPREADER 80			.25	% v/v	MP							
2	LIQUID N		L	1	qt pr/A	MP							
3	PURSUIT	70	DF	.063	lb ai/A	MP	100	87	7	100	80	97	90
3	COBRA	2	L	.063	lb ai/A	MP							
3	SPREADER 80			.25	% v/v	MP							
3	LIQUID N		L	1	qt pr/A	MP							
4	PURSUIT	70	DF	.063	lb ai/A	MP	100	87	7	100	90	93	93
4	COBRA	2	L	.063	lb ai/A	MP							
4	SELECT	2	EC	.063	lb ai/A	MP							
4	SPREADER 80			.25	% v/v	MP							
4	LIQUID N		L	1	qt pr/A	MP							
5	PURSUIT	70	DF	.063	lb ai/A	MP	100	90	3	100	90	93	93
5	SELECT	2	EC	.063	lb ai/A	MP							
5	SUNIT II		L	.75	qt pr/A	MP							
5	LIQUID N		L	1	qt pr/A	MP							
6	PURSUIT	70	DF	.063	lb ai/A	MP	100	83	0	100	80	93	90
6	SELECT	2	EC	.094	lb ai/A	MP							
6	SUNIT II		L	.75	qt pr/A	MP							
6	LIQUID N		L	1	qt pr/A	MP							
7	PURSUIT	70	DF	.063	lb ai/A	MP	100	90	0	100	80	93	90
7	SELECT	2	EC	.125	lb ai/A	MP							
7	SUNIT II		L	.75	qt pr/A	MP							
7	LIQUID N		L	1	qt pr/A	MP							
8	CLASSIC	25	DF	.008	lb ai/A	MP	100	60	0	100	37	70	90
8	COBRA	2	L	.03	lb ai/A	MP							
8	ASSURE II	.8	EC	.055	lb ai/A	MP							
9	CONCLUDE	5.53	L	.69	lb ai/A	EP	100	97	0	100	93	97	97
9	SUNIT II		L	1	qt pr/A	EP							
9	CONCLUDE	5.53	L	.69	lb ai/A	MP							
9	SUNIT II		L	1	qt pr/A	MP							
10	CONCLUDE	5.53	L	1.03	lb ai/A	MP	100	97	10	100	100	100	97
10	SUNIT II		L	1	qt pr/A	MP							

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	22-6-95	22-6-95	22-6-95	22-6-95	22-6-95	22-6-95	22-6-95
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
No	Name	Amt	Ds	Rate	Unit	Stg							
11	STORM	4	EC	.75	lb ai/A	MP	100	100	3	100	100	100	100
11	SELECT	2	EC	.125	lb ai/A	MP							
11	SUNIT II	L		.5	qt pr/A	MP							
12	REFLEX	2	EC	.375	lb ai/A	MP	100	100	0	100	100	100	100
12	FUSILADE DX	2	EC	.188	lb ai/A	MP							
12	COC	L		.5	qt pr/A	MP							
13	TYPHOON	1.51	L	.604	lb ai/A	MP	100	100	0	100	100	97	100
13	COC	L		1	qt pr/A	MP							
13	LIQUID N	L		2.5	qt pr/A	MP							
14	TORNADO	1.75	L	.438	lb ai/A	MP	100	100	3	100	100	100	100
14	COC	L		1	qt pr/A	MP							
14	LIQUID N	L		2.5	qt pr/A	MP							
15	FUSION	2.66	EC	.25	lb ai/A	MP	100	100	0	100	100	100	100
15	REFLEX	2	EC	.375	lb ai/A	MP							
15	COC	L		1	qt pr/A	MP							
15	LIQUID N	L		2.5	qt pr/A	MP							
16	FUSION	2.66	EC	.25	lb ai/A	MP	100	100	7	100	100	100	100
16	FLEXSTAR	1	L	.375	lb ai/A	MP							
16	LIQUID N	L		2.5	qt pr/A	MP							
17	POAST PLUS	1	EC	.19	lb ai/A	MP	100	0	0	100	0	0	0
18	STORM	4	EC	.75	lb ai/A	MP	100	97	7	100	100	97	100
18	POAST PLUS	1	EC	.19	lb ai/A	MP							
19	PURSUIT	70	DF	.063	lb ai/A	MP	100	87	0	100	80	90	93
19	SELECT	2	EC	.125	lb ai/A	MP							
19	SUNIT II	L		.75	lb ai/A	MP							
19	LIQUID N	L		2	qt pr/A	MP							
20	REZULTS	5	E	.063	lb ai/A	MP	100	83	0	100	83	90	90
20	QUEST	L		.25	qt pr/A	MP							
21	PURSUIT	70	DF	.063	lb ai/A	MP	100	73	3	100	67	90	90
21	SUNIT II	L		.75	qt pr/A	MP							
21	LIQUID N	L		2	qt pr/A	MP							
LSD (P=.05)							0.0	7.6	5.9	0.0	14.2	8.7	7.1
Standard Deviation							0.0	4.6	3.6	0.0	8.6	5.3	4.3
CV							0.0	5.43	149.2	0.0	10.47	5.92	4.74

SOYBEAN POSTEMERGENCE II

Project Code: S5015  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	24-7-95	24-7-95	24-7-95	24-7-95	24-7-95
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment	Form	Fm	Rate	Unit	Grow					
No	Name	Amt	Ds	Rate	Unit	Stg					
1	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	60	90	90
1	SUNIT II		L	.75	qt pr/A	MP					
1	LIQUID N		L	1	qt pr/A	MP					
2	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	60	90	90
2	SPREADER 80			.25	% v/v	MP					
2	LIQUID N		L	1	qt pr/A	MP					
3	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	73	97	90
3	COBRA	2	L	.063	lb ai/A	MP					
3	SPREADER 80			.25	% v/v	MP					
3	LIQUID N		L	1	qt pr/A	MP					
4	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	87	93	93
4	COBRA	2	L	.063	lb ai/A	MP					
4	SELECT	2	EC	.063	lb ai/A	MP					
4	SPREADER 80			.25	% v/v	MP					
4	LIQUID N		L	1	qt pr/A	MP					
5	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	80	90	93
5	SELECT	2	EC	.063	lb ai/A	MP					
5	SUNIT II		L	.75	qt pr/A	MP					
5	LIQUID N		L	1	qt pr/A	MP					
6	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	67	93	90
6	SELECT	2	EC	.094	lb ai/A	MP					
6	SUNIT II		L	.75	qt pr/A	MP					
6	LIQUID N		L	1	qt pr/A	MP					
7	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	77	93	90
7	SELECT	2	EC	.125	lb ai/A	MP					
7	SUNIT II		L	.75	qt pr/A	MP					
7	LIQUID N		L	1	qt pr/A	MP					
8	CLASSIC	25	DF	.008	lb ai/A	MP	0	100	53	70	90
8	COBRA	2	L	.03	lb ai/A	MP					
8	ASSURE II	.8	EC	.055	lb ai/A	MP					
9	CONCLUDE	5.53	L	.69	lb ai/A	EP	0	100	93	93	97
9	SUNIT II		L	1	qt pr/A	EP					
9	CONCLUDE	5.53	L	.69	lb ai/A	MP					
9	SUNIT II		L	1	qt pr/A	MP					
10	CONCLUDE	5.53	L	1.03	lb ai/A	MP	0	100	100	93	97
10	SUNIT II		L	1	qt pr/A	MP					



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Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	24-7-95	24-7-95	24-7-95	24-7-95	24-7-95
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	CHEAL	AMBTR	PHBPU
11	STORM	4	EC	.75	lb ai/A	MP	0	100	100	97	100
11	SELECT	2	EC	.125	lb ai/A	MP					
11	SUNIT II		L	.5	qt pr/A	MP					
12	REFLEX	2	EC	.375	lb ai/A	MP	0	100	100	100	100
12	FUSILADE DX	2	EC	.188	lb ai/A	MP					
12	COC		L	.5	qt pr/A	MP					
13	TYPHOON	1.51	L	.604	lb ai/A	MP	0	100	100	97	100
13	COC		L	1	qt pr/A	MP					
13	LIQUID N		L	2.5	qt pr/A	MP					
14	TORNADO	1.75	L	.438	lb ai/A	MP	0	100	100	100	100
14	COC		L	1	qt pr/A	MP					
14	LIQUID N		L	2.5	qt pr/A	MP					
15	FUSION	2.66	EC	.25	lb ai/A	MP	0	100	100	100	100
15	REFLEX	2	EC	.375	lb ai/A	MP					
15	COC		L	1	qt pr/A	MP					
15	LIQUID N		L	2.5	qt pr/A	MP					
16	FUSION	2.66	EC	.25	lb ai/A	MP	0	100	100	100	100
16	FLEXSTAR	1	L	.375	lb ai/A	MP					
16	LIQUID N		L	2.5	qt pr/A	MP					
17	POAST PLUS	1	EC	.19	lb ai/A	MP	0	100	0	0	0
18	STORM	4	EC	.75	lb ai/A	MP	0	100	100	97	100
18	POAST PLUS	1	EC	.19	lb ai/A	MP					
19	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	70	90	93
19	SELECT	2	EC	.125	lb ai/A	MP					
19	SUNIT II		L	.75	lb ai/A	MP					
19	LIQUID N		L	2	qt pr/A	MP					
20	REZULTS	5	E	.063	lb ai/A	MP	0	100	73	83	90
20	QUEST		L	.25	qt pr/A	MP					
21	PURSUIT	70	DF	.063	lb ai/A	MP	0	100	57	90	90
21	SUNIT II		L	.75	qt pr/A	MP					
21	LIQUID N		L	2	qt pr/A	MP					
LSD (P=.05)							0.0	0.0	11.6	9.6	7.1
Standard Deviation							0.0	0.0	7.0	5.8	4.3
CV								0.0	8.96	6.57	4.74

26-9-95 (S5015)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description Page 1 of 1

SOYBEAN POSTEMERGENCE II

Project Code: S5015  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 15-5-95  
Planting Method: ROWS Rate, Unit: 12 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 30 , IN  
Soil Temp., Unit: 60 , F  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Seed Bed Desc.: CONV  
Tillage Type: CONV Study Design: RCB

Soil Description

% OM: 3.41 % Sand: 7.04 % Silt: 68.1 % Clay: 24.8  
pH: 6.2 CEC: 20.9

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	5-6-95					
Time of Day:	1 PM					
Application Method:	BROADCAST					
Application Timing:	MP					
Air Temp., Unit:	81 ,F					
% Relative Humidity:	50					
Wind Velocity, Unit:	4 ,MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	70 ,F					
Soil Moisture:	GOOD					
% Cloud Cover:	40					
Weed Species	Weed Stage, Density at Application					
CHEAL	2-4"					
SETFA	2-4"					
XANST	3-5"					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	4	FLAT FAN	8004	20	20	5 FT	25	WATER	30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN POSTEMERGENCE III

Project Code:S5023  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
No	Name	Amt	Ds	Rate	Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	COBRA	2	L	.1 lb	ai/A EP	77	60	0	77	53	63	93	60
1	SELECT	2	EC	.094 lb	ai/A EP								
1	COC		L	1 qt	pr/A EP								
2	COBRA	2	L	.125 lb	ai/A EP	77	70	0	77	63	73	93	73
2	SELECT	2	EC	.094 lb	ai/A EP								
2	COC		L	1 qt	pr/A EP								
3	COBRA	2	L	.15 lb	ai/A EP	80	70	0	80	63	70	93	80
3	SELECT	2	EC	.094 lb	ai/A EP								
3	COC		L	1 qt	pr/A EP								
4	COBRA	2	L	.2 lb	ai/A EP	77	77	0	77	70	73	83	80
4	SELECT	2	EC	.094 lb	ai/A EP								
4	COC		L	1 qt	pr/A EP								
5	COBRA	2	L	.125 lb	ai/A EP	77	70	0	77	73	70	83	67
5	SELECT	2	EC	.094 lb	ai/A EP								
5	SUNIT II		L	1 qt	pr/A EP								
6	COBRA	2	L	.15 lb	ai/A EP	73	70	0	73	67	73	90	67
6	SELECT	2	EC	.094 lb	ai/A EP								
6	SUNIT II		L	1 qt	pr/A EP								
7	COBRA	2	L	.125 lb	ai/A EP	93	93	0	93	93	93	100	100
7	PURSUIT	70	DF	.063 lb	ai/A EP								
7	LIQUID N		L	2 qt	pr/A EP								
7	SUNIT II		L	.6 qt	pr/A EP								
7	SELECT	2	EC	.094 lb	ai/A +7D								
7	SUNIT II		L	1 qt	pr/A +7D								
8	COBRA	2	L	.125 lb	ai/A EP	90	77	0	90	63	77	93	93
8	CLASSIC	25	DF	.006 lb	ai/A EP								
8	LIQUID N		L	2 qt	pr/A EP								
8	SUNIT II		L	.6 qt	pr/A EP								
8	SELECT	2	EC	.094 lb	ai/A +7D								
8	SUNIT II		L	1 qt	pr/A +7D								
9	COBRA	2	L	.125 lb	ai/A EP	90	83	0	90	83	83	87	97
9	BASAGRAN	4	EC	.5 lb	ai/A EP								
9	LIQUID N		L	2 qt	pr/A EP								
9	SUNIT II		L	.6 qt	pr/A EP								
9	SELECT	2	EC	.094 lb	ai/A +7D								
9	SUNIT II		L	1 qt	pr/A +7D								

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
							CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
							4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
							P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0
10	COBRA	2	L	.125	lb ai/A	EP	90	90	0	90	90	87	97	100
10	REFLEX	2	EC	.25	lb ai/A	EP								
10	LIQUID N		L	2	qt pr/A	EP								
10	SUNIT II		L	.6	qt pr/A	EP								
10	SELECT	2	EC	.094	lb ai/A	+7D								
10	SUNIT II		L	1	qt pr/A	+7D								
11	COBRA	2	L	.1	lb ai/A	EP	87	90	0	87	87	93	100	100
11	SELECT	2	EC	.094	lb ai/A	EP								
11	SUNIT II		L	1	qt pr/A	EP								
11	RESOURCE	.86	EC	.027	lb ai/A	LP								
11	SUNIT II		L	.5	qt pr/A	LP								
12	COBRA	2	L	.1	lb ai/A	EP	87	90	0	87	90	93	100	97
12	SELECT	2	EC	.094	lb ai/A	EP								
12	SUNIT II		L	1	qt pr/A	EP								
12	RESOURCE	.86	EC	.027	lb ai/A	LP								
12	PINNACLE	25	DF	.001	lb ai/A	LP								
12	SUNIT II		L	.5	qt pr/A	LP								
13	COBRA	2	L	.1	lb ai/A	EP	93	90	0	93	90	87	97	97
13	SELECT	2	EC	.094	lb ai/A	EP								
13	SUNIT II		L	1	qt pr/A	EP								
13	RESOURCE	.86	EC	.027	lb ai/A	LP								
13	PINNACLE	25	DF	.0016	lb ai/A	LP								
13	SUNIT II		L	.5	qt pr/A	LP								
14	COBRA	2	L	.1	lb ai/A	EP	90	90	0	90	93	90	100	100
14	SELECT	2	EC	.094	lb ai/A	EP								
14	SUNIT II		L	1	qt pr/A	EP								
14	RESOURCE	.86	EC	.027	lb ai/A	LP								
14	PINNACLE	25	DF	.002	lb ai/A	LP								
14	SUNIT II		L	.5	qt pr/A	LP								
15	COBRA	2	L	.1	lb ai/A	EP	87	93	0	87	93	93	100	97
15	SELECT	2	EC	.094	lb ai/A	EP								
15	SUNIT II		L	1	qt pr/A	EP								
15	RESOURCE	.86	EC	.027	lb ai/A	LP								
15	PINNACLE	25	DF	.001	lb ai/A	LP								
15	SPREADER 80			.25	* v/v	LP								
16	COBRA	2	L	.1	lb ai/A	EP	77	87	0	77	83	87	93	97
16	SELECT	2	EC	.094	lb ai/A	EP								
16	SUNIT II		L	1	qt pr/A	EP								
16	PINNACLE	25	DF	.0016	lb ai/A	LP								
16	SPREADER 80			.25	* v/v	LP								

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
17	COBRA	2	L	.1	lb ai/A	EP	77	90	0	77	90	90	97	93
17	SELECT	2	EC	.094	lb ai/A	EP								
17	SUNIT II		L	1	qt pr/A	EP								
17	PINNACLE	25	DF	.002	lb ai/A	LP								
17	SPREADER 80			.25	% v/v	LP								
18	COBRA	2	L	.1	lb ai/A	EP	80	90	0	80	83	93	97	100
18	SELECT	2	EC	.094	lb ai/A	EP								
18	SUNIT II		L	1	qt pr/A	EP								
18	PINNACLE	25	DF	.004	lb ai/A	LP								
18	SPREADER 80			.25	% v/v	LP								
19	COBRA	2	L	.1	lb ai/A	EP	93	93	0	93	90	93	100	97
19	SELECT	2	EC	.094	lb ai/A	EP								
19	SUNIT II		L	1	qt pr/A	EP								
19	PURSUIT	70	DF	.063	lb ai/A	LP								
19	PINNACLE	25	DF	.004	lb ai/A	LP								
19	SPREADER 80			.25	% v/v	LP								
20	RESOURCE	.86	EC	.027	lb ai/A	MP	87	87	0	87	83	87	100	100
20	PURSUIT	70	DF	.063	lb ai/A	MP								
20	COC		L	1	qt pr/A	MP								
20	LIQUID N		L	1	qt pr/A	MP								
21	RESOURCE	.86	EC	.04	lb ai/A	MP	87	90	0	87	90	87	93	97
21	PURSUIT	70	DF	.063	lb ai/A	MP								
21	COC		L	1	qt pr/A	MP								
21	LIQUID N		L	1	qt pr/A	MP								
22	RESOURCE	.86	EC	.054	lb ai/A	MP	90	90	0	90	90	87	97	100
22	PURSUIT	70	DF	.063	lb ai/A	MP								
22	COC		L	1	qt pr/A	MP								
22	LIQUID N		L	1	qt pr/A	MP								
23	PURSUIT	70	DF	.063	lb ai/A	MP	90	73	0	90	63	77	93	93
23	COC		L	1	qt pr/A	MP								
23	LIQUID N		L	1	qt pr/A	MP								
24	PURSUIT	70	DF	.063	lb ai/A	MP	87	87	0	87	90	80	100	100
24	PINNACLE	25	DF	.002	lb ai/A	MP								
24	SURPHATAC		L	.25	% v/v	MP								
24	LIQUID N		L	1	qt pr/A	MP								
25	PURSUIT	70	DF	.063	lb ai/A	MP	90	90	0	90	90	87	100	100
25	PINNACLE	25	DF	.004	lb ai/A	MP								
25	SURPHATAC		L	.25	% v/v	MP								
25	LIQUID N		L	1	qt pr/A	MP								

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
		Amt	Ds	Rate	Unit			CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
								PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
								4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
								P	P	P	P	P	P	P	P
								0	0	0	0	0	0	0	0
26	RESOURCE	.86	EC	.027	lb ai/A	MP		10	67	0	10	70	67	83	97
26	BASAGRAN	4	EC	.5	lb ai/A	MP									
26	COC		L	1	qt pr/A	MP									
26	LIQUID N		L	1	qt pr/A	MP									
27	BASAGRAN	4	EC	.5	lb ai/A	MP		0	50	0	0	63	53	83	93
27	COC		L	1	qt pr/A	MP									
27	LIQUID N		L	1	qt pr/A	MP									
28	RESOURCE	.86	EC	.027	lb ai/A	MP		10	53	0	10	63	67	87	50
28	COC		L	1	qt pr/A	MP									
28	LIQUID N		L	1	qt pr/A	MP									
29	RESOURCE	.86	EC	.04	lb ai/A	MP		13	63	0	13	73	67	87	67
29	COC		L	1	qt pr/A	MP									
29	LIQUID N		L	1	qt pr/A	MP									
30	RESOURCE	.86	EC	.054	lb ai/A	MP		20	63	0	20	67	57	73	77
30	COC		L	1	qt pr/A	MP									
30	LIQUID N		L	1	qt pr/A	MP									
31	RESOURCE	.86	EC	.027	lb ai/A	MP		20	70	0	20	73	60	83	90
31	BASAGRAN	4	EC	.5	lb ai/A	MP									
31	COC		L	1	qt pr/A	MP									
31	LIQUID N		L	1	qt pr/A	MP									
32	CHECK WEEDY							0	0	0	0	0	0	0	0
LSD (P=.05)								8.8	11.6	0.0	8.8	15.5	14.6	11.0	18.4
Standard Deviation								5.4	7.1	0.0	5.4	9.5	8.9	6.7	11.2
CV								7.85	9.25	.	7.85	12.46	11.66	7.49	13.05

SOYBEAN POSTEMERGENCE III

Project Code: S5023  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
1	COBRA	2	L	.1	lb ai/A	EP	0	73	50	70	93	63
1	SELECT	2	EC	.094	lb ai/A	EP						
1	COC		L	1	qt pr/A	EP						
2	COBRA	2	L	.125	lb ai/A	EP	0	77	53	80	87	73
2	SELECT	2	EC	.094	lb ai/A	EP						
2	COC		L	1	qt pr/A	EP						
3	COBRA	2	L	.15	lb ai/A	EP	0	73	53	77	93	83
3	SELECT	2	EC	.094	lb ai/A	EP						
3	COC		L	1	qt pr/A	EP						
4	COBRA	2	L	.2	lb ai/A	EP	0	70	60	80	87	80
4	SELECT	2	EC	.094	lb ai/A	EP						
4	COC		L	1	qt pr/A	EP						
5	COBRA	2	L	.125	lb ai/A	EP	0	70	63	73	83	83
5	SELECT	2	EC	.094	lb ai/A	EP						
5	SUNIT II		L	1	qt pr/A	EP						
6	COBRA	2	L	.15	lb ai/A	EP	0	67	63	77	93	80
6	SELECT	2	EC	.094	lb ai/A	EP						
6	SUNIT II		L	1	qt pr/A	EP						
7	COBRA	2	L	.125	lb ai/A	EP	0	97	100	97	100	100
7	PURSUIT	70	DF	.063	lb ai/A	EP						
7	LIQUID N		L	2	qt pr/A	EP						
7	SUNIT II		L	.6	qt pr/A	EP						
7	SELECT	2	EC	.094	lb ai/A	+7D						
7	SUNIT II		L	1	qt pr/A	+7D						
8	COBRA	2	L	.125	lb ai/A	EP	0	90	47	80	93	93
8	CLASSIC	25	DF	.006	lb ai/A	EP						
8	LIQUID N		L	2	qt pr/A	EP						
8	SUNIT II		L	.6	qt pr/A	EP						
8	SELECT	2	EC	.094	lb ai/A	+7D						
8	SUNIT II		L	1	qt pr/A	+7D						
9	COBRA	2	L	.125	lb ai/A	EP	0	90	87	83	93	100
9	BASAGRAN	4	EC	.5	lb ai/A	EP						
9	LIQUID N		L	2	qt pr/A	EP						
9	SUNIT II		L	.6	qt pr/A	EP						
9	SELECT	2	EC	.094	lb ai/A	+7D						
9	SUNIT II		L	1	qt pr/A	+7D						

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Weed/Crop Code	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT 8 WEEK	SETFA CONTROL PERCENT 8 WEEK	CHEAL CONTROL PERCENT 8 WEEK	PHBPU CONTROL PERCENT 8 WEEK	XANST CONTROL PERCENT 8 WEEK	POLPY CONTROL PERCENT 8 WEEK
10	COBRA	2	L	.125	lb ai/A	EP	0	93	93	87	97	100
10	REFLEX	2	EC	.25	lb ai/A	EP						
10	LIQUID N		L	2	qt pr/A	EP						
10	SUNIT II		L	.6	qt pr/A	EP						
10	SELECT	2	EC	.094	lb ai/A	+7D						
10	SUNIT II		L	1	qt pr/A	+7D						
11	COBRA	2	L	.1	lb ai/A	EP	0	87	87	93	100	100
11	SELECT	2	EC	.094	lb ai/A	EP						
11	SUNIT II		L	1	qt pr/A	EP						
11	RESOURCE	.86	EC	.027	lb ai/A	LP						
11	SUNIT II		L	.5	qt pr/A	LP						
12	COBRA	2	L	.1	lb ai/A	EP	0	87	90	93	100	97
12	SELECT	2	EC	.094	lb ai/A	EP						
12	SUNIT II		L	1	qt pr/A	EP						
12	RESOURCE	.86	EC	.027	lb ai/A	LP						
12	PINNACLE	25	DF	.001	lb ai/A	LP						
12	SUNIT II		L	.5	qt pr/A	LP						
13	COBRA	2	L	.1	lb ai/A	EP	0	93	90	87	97	97
13	SELECT	2	EC	.094	lb ai/A	EP						
13	SUNIT II		L	1	qt pr/A	EP						
13	RESOURCE	.86	EC	.027	lb ai/A	LP						
13	PINNACLE	25	DF	.0016	lb ai/A	LP						
13	SUNIT II		L	.5	qt pr/A	LP						
14	COBRA	2	L	.1	lb ai/A	EP	0	90	93	90	100	100
14	SELECT	2	EC	.094	lb ai/A	EP						
14	SUNIT II		L	1	qt pr/A	EP						
14	RESOURCE	.86	EC	.027	lb ai/A	LP						
14	PINNACLE	25	DF	.002	lb ai/A	LP						
14	SUNIT II		L	.5	qt pr/A	LP						
15	COBRA	2	L	.1	lb ai/A	EP	0	87	93	93	100	97
15	SELECT	2	EC	.094	lb ai/A	EP						
15	SUNIT II		L	1	qt pr/A	EP						
15	RESOURCE	.86	EC	.027	lb ai/A	LP						
15	PINNACLE	25	DF	.001	lb ai/A	LP						
15	SPREADER 80			.25	% v/v	LP						
16	COBRA	2	L	.1	lb ai/A	EP	0	77	83	87	93	97
16	SELECT	2	EC	.094	lb ai/A	EP						
16	SUNIT II		L	1	qt pr/A	EP						
16	PINNACLE	25	DF	.0016	lb ai/A	LP						
16	SPREADER 80			.25	% v/v	LP						

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Weed/Crop Code	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
		Amt	Ds				INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
17	COBRA	2	L	.1	lb ai/A	EP	0	77	90	90	97	93
17	SELECT	2	EC	.094	lb ai/A	EP						
17	SUNIT II		L	1	qt pr/A	EP						
17	PINNACLE	25	DF	.002	lb ai/A	LP						
17	SPREADER 80			.25	‡ v/v	LP						
18	COBRA	2	L	.1	lb ai/A	EP	0	80	83	93	97	100
18	SELECT	2	EC	.094	lb ai/A	EP						
18	SUNIT II		L	1	qt pr/A	EP						
18	PINNACLE	25	DF	.004	lb ai/A	LP						
18	SPREADER 80			.25	‡ v/v	LP						
19	COBRA	2	L	.1	lb ai/A	EP	0	93	90	93	100	97
19	SELECT	2	EC	.094	lb ai/A	EP						
19	SUNIT II		L	1	qt pr/A	EP						
19	PURSUIT	70	DF	.063	lb ai/A	LP						
19	PINNACLE	25	DF	.004	lb ai/A	LP						
19	SPREADER 80			.25	‡ v/v	LP						
20	RESOURCE	.86	EC	.027	lb ai/A	MP	0	97	93	93	100	100
20	PURSUIT	70	DF	.063	lb ai/A	MP						
20	COC		L	1	qt pr/A	MP						
20	LIQUID N		L	1	qt pr/A	MP						
21	RESOURCE	.86	EC	.04	lb ai/A	MP	0	93	97	93	97	100
21	PURSUIT	70	DF	.063	lb ai/A	MP						
21	COC		L	1	qt pr/A	MP						
21	LIQUID N		L	1	qt pr/A	MP						
22	RESOURCE	.86	EC	.054	lb ai/A	MP	0	97	97	93	100	100
22	PURSUIT	70	DF	.063	lb ai/A	MP						
22	COC		L	1	qt pr/A	MP						
22	LIQUID N		L	1	qt pr/A	MP						
23	PURSUIT	70	DF	.063	lb ai/A	MP	0	93	67	80	93	93
23	COC		L	1	qt pr/A	MP						
23	LIQUID N		L	1	qt pr/A	MP						
24	PURSUIT	70	DF	.063	lb ai/A	MP	0	97	97	93	100	100
24	PINNACLE	25	DF	.002	lb ai/A	MP						
24	SURPHATAC		L	.25	‡ v/v	MP						
24	LIQUID N		L	1	qt pr/A	MP						
25	PURSUIT	70	DF	.063	lb ai/A	MP	0	97	97	90	100	100
25	PINNACLE	25	DF	.004	lb ai/A	MP						
25	SURPHATAC		L	.25	‡ v/v	MP						
25	LIQUID N		L	1	qt pr/A	MP						

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Weed/Crop Code	GLYMA	SETFA	CHEAL	PHBPU	XANST	POLPY
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY 8 WEEK	SETFA CONTROL 8 WEEK	CHEAL CONTROL 8 WEEK	PHBPU CONTROL 8 WEEK	XANST CONTROL 8 WEEK	POLPY CONTROL 8 WEEK
26	RESOURCE	.86	EC	.027	lb ai/A	MP	0	7	80	77	87	97
26	BASAGRAN	4	EC	.5	lb ai/A	MP						
26	COC		L	1	qt pr/A	MP						
26	LIQUID N		L	1	qt pr/A	MP						
27	BASAGRAN	4	EC	.5	lb ai/A	MP	0	0	70	63	83	93
27	COC		L	1	qt pr/A	MP						
27	LIQUID N		L	1	qt pr/A	MP						
28	RESOURCE	.86	EC	.027	lb ai/A	MP	0	10	70	73	87	63
28	COC		L	1	qt pr/A	MP						
28	LIQUID N		L	1	qt pr/A	MP						
29	RESOURCE	.86	EC	.04	lb ai/A	MP	0	7	80	73	87	77
29	COC		L	1	qt pr/A	MP						
29	LIQUID N		L	1	qt pr/A	MP						
30	RESOURCE	.86	EC	.054	lb ai/A	MP	0	7	70	60	77	77
30	COC		L	1	qt pr/A	MP						
30	LIQUID N		L	1	qt pr/A	MP						
31	RESOURCE	.86	EC	.027	lb ai/A	MP	0	0	77	67	87	90
31	BASAGRAN	4	EC	.5	lb ai/A	MP						
31	COC		L	1	qt pr/A	MP						
31	LIQUID N		L	1	qt pr/A	MP						
32	CHECK WEEDY						0	0	0	0	0	0
LSD (P=.05)							0.0	10.1	14.9	14.0	10.9	17.8
Standard Deviation							0.0	6.2	9.1	8.6	6.7	10.9
CV							.	9.14	11.86	10.67	7.39	12.36

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Weed Science Field Research

SOYBEAN POSTEMERGENCE IV

Project Code:S5024  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU	ABUTH	DATST	POLPY
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU	ABUTH	DATST	POLPY
1	RESOURCE	.86	EC	.027	lb ai/A	EP	100	83	0	100	93	87	80	97	93	100
1	BASAGRAN	4	EC	.5	lb ai/A	EP										
1	SUNIT II	L		1	qt pr/A	EP										
1	SELECT	2	EC	.094	lb ai/A	+7D										
1	SUNIT II	L		1	qt pr/A	+7D										
2	RESOURCE	.86	EC	.027	lb ai/A	EP	93	77	0	93	93	77	80	93	97	97
2	CLASSIC	25	DF	.006	lb ai/A	EP										
2	SUNIT II	L		1	qt pr/A	EP										
2	SELECT	2	EC	.094	lb ai/A	+7D										
2	SUNIT II	L		1	qt pr/A	+7D										
3	RESOURCE	.86	EC	.027	lb ai/A	EP	100	73	0	100	100	77	73	90	97	87
3	COBRA	2	L	.094	lb ai/A	EP										
3	SUNIT II	L		1	qt pr/A	EP										
3	SELECT	2	EC	.094	lb ai/A	+7D										
3	SUNIT II	L		1	qt pr/A	+7D										
4	RESOURCE	.86	EC	.027	lb ai/A	EP	97	87	0	97	100	90	90	100	100	100
4	PURSUIT	70	DF	.063	lb ai/A	EP										
4	SUNIT II	L		1	qt pr/A	EP										
4	SELECT	2	EC	.094	lb ai/A	+7D										
4	SUNIT II	L		1	qt pr/A	+7D										
5	RESOURCE	.86	EC	.027	lb ai/A	EP	90	83	0	90	90	83	90	100	93	100
5	SCEPTER	70	DF	.063	lb ai/A	EP										
5	SUNIT II	L		1	qt pr/A	EP										
5	SELECT	2	EC	.094	lb ai/A	+7D										
5	SUNIT II	L		1	qt pr/A	+7D										
6	RESOURCE	.86	EC	.027	lb ai/A	EP	100	90	0	100	93	93	90	100	100	100
6	REFLEX	2	EC	.375	lb ai/A	EP										
6	SUNIT II	L		1	qt pr/A	EP										
6	SELECT	2	EC	.094	lb ai/A	+7D										
6	SUNIT II	L		1	qt pr/A	+7D										
7	RESOURCE	.86	EC	.027	lb ai/A	EP	100	77	0	100	90	83	77	93	93	100
7	PINNACLE	25	DF	.002	lb ai/A	EP										
7	BASAGRAN	4	EC	.5	lb ai/A	EP										
7	SUNIT II	L		1	qt pr/A	EP										
7	SELECT	2	EC	.094	lb ai/A	+7D										
7	SUNIT II	L		1	qt pr/A	+7D										

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Weed Science Field Research

Weed/Crop Code		GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	PHBPU	ABUTH	DATST	POLPY									
Rating Data Type		CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL									
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT									
Trt-Eval Interval		4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK									
PRM Data Type		P	P	P	P	P	P	P	P	P	P									
Decimals Printed		0	0	0	0	0	0	0	0	0	0									
Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg														
18	SELECT	2	EC	.094	lb ai/A	MP	90	83	0	90	97	77	97	97	100	100				
18	CLASSIC	25	DF	.008	lb ai/A	MP														
18	COBRA	2	L	.125	lb ai/A	MP														
18	SUNIT II		L	1	qt pr/A	MP														
19	SELECT	2	EC	.094	lb ai/A	MP	83	83	0	83	97	87	83	97	100	100				
19	BASAGRAN	4	EC	.5	lb ai/A	MP														
19	COBRA	2	L	.125	lb ai/A	MP														
19	SUNIT II		L	1	qt pr/A	MP														
20	SELECT	2	EC	.094	lb ai/A	MP	83	83	0	83	93	100	83	97	100	100				
20	PINNACLE	25	DF	.004	lb ai/A	MP														
20	COBRA	2	L	.125	lb ai/A	MP														
20	SUNIT II		L	1	qt pr/A	MP														
21	SELECT	2	EC	.094	lb ai/A	MP	90	73	0	90	93	90	70	93	87	100				
21	RESOURCE	.86	EC	.027	lb ai/A	MP														
21	BASAGRAN	4	EC	.5	lb ai/A	MP														
21	SUNIT II		L	1	qt pr/A	MP														
22	SELECT	2	EC	.094	lb ai/A	MP	90	63	0	87	100	80	87	97	100	63				
22	RESOURCE	.86	EC	.027	lb ai/A	MP														
22	COBRA	2	L	.094	lb ai/A	MP														
22	SUNIT II		L	1	qt pr/A	MP														
23	SELECT	2	EC	.094	lb ai/A	MP	93	83	15	93	100	83	97	93	93	100				
23	RESOURCE	.86	EC	.027	lb ai/A	MP														
23	CLASSIC	25	DF	.008	lb ai/A	MP														
23	SUNIT II		L	1	qt pr/A	MP														
LSD (P=.05)							19.8	9.3	2.0	20.0	9.3	7.5	8.8	8.2	7.8	13.6				
Standard Deviation							12.0	5.6	1.2	12.1	5.7	4.6	5.4	5.0	4.7	8.3				
CV							13.0	7.72	127.79	13.13	6.44	5.85	6.84	5.66	5.33	9.36				

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Weed Science Field Research

SOYBEAN POSTEMERGENCE IV

Project Code: S5024  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	XANST	CHEAL	PHBPU	ABUTH	DATST	POLPY
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow								
		Amt	Ds	Rate		Stg								
1	RESOURCE	.86	EC	.027	lb ai/A	EP	0	100	90	87	83	97	90	100
1	BASAGRAN	4	EC	.5	lb ai/A	EP								
1	SUNIT II	L		1	qt pr/A	EP								
1	SELECT	2	EC	.094	lb ai/A	+7D								
1	SUNIT II	L		1	qt pr/A	+7D								
2	RESOURCE	.86	EC	.027	lb ai/A	EP	0	93	93	77	87	90	97	97
2	CLASSIC	25	DF	.006	lb ai/A	EP								
2	SUNIT II	L		1	qt pr/A	EP								
2	SELECT	2	EC	.094	lb ai/A	+7D								
2	SUNIT II	L		1	qt pr/A	+7D								
3	RESOURCE	.86	EC	.027	lb ai/A	EP	0	93	97	70	77	93	97	87
3	COBRA	2	L	.094	lb ai/A	EP								
3	SUNIT II	L		1	qt pr/A	EP								
3	SELECT	2	EC	.094	lb ai/A	+7D								
3	SUNIT II	L		1	qt pr/A	+7D								
4	RESOURCE	.86	EC	.027	lb ai/A	EP	0	97	100	90	90	100	100	100
4	PURSUIT	70	DF	.063	lb a/A	EP								
4	SUNIT II	L		1	qt pr/A	EP								
4	SELECT	2	EC	.094	lb ai/A	+7D								
4	SUNIT II	L		1	qt pr/A	+7D								
5	RESOURCE	.86	EC	.027	lb ai/A	EP	0	90	93	83	90	100	90	100
5	SCEPTER	70	DF	.063	lb ai/A	EP								
5	SUNIT II	L		1	qt pr/A	EP								
5	SELECT	2	EC	.094	lb ai/A	+7D								
5	SUNIT II	L		1	qt pr/A	+7D								
6	RESOURCE	.86	EC	.027	lb ai/A	EP	0	100	97	93	83	100	100	100
6	REFLEX	2	EC	.375	lb ai/A	EP								
6	SUNIT II	L		1	qt pr/A	EP								
6	SELECT	2	EC	.094	lb ai/A	+7D								
6	SUNIT II	L		1	qt pr/A	+7D								
7	RESOURCE	.86	EC	.027	lb ai/A	EP	0	100	90	87	83	93	90	100
7	PINNACLE	25	DF	.002	lb ai/A	EP								
7	BASAGRAN	4	EC	.5	lb ai/A	EP								
7	SUNIT II	L		1	qt pr/A	EP								
7	SELECT	2	EC	.094	lb ai/A	+7D								
7	SUNIT II	L		1	qt pr/A	+7D								

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	XANST	CHEAL	PHBPU	ABUTH	DATST	POLPY
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY CONTROL 8 WEEK	SETFA CONTROL 8 WEEK	XANST CONTROL 8 WEEK	CHEAL CONTROL 8 WEEK	PHBPU CONTROL 8 WEEK	ABUTH CONTROL 8 WEEK	DATST CONTROL 8 WEEK	POLPY CONTROL 8 WEEK
18	SELECT	2	EC	.094	lb ai/A	MP	0	87	100	77	97	97	100	100
18	CLASSIC	25	DF	.008	lb ai/A	MP								
18	COBRA	2	L	.125	lb ai/A	MP								
18	SUNIT II	L		1	qt pr/A	MP								
19	SELECT	2	EC	.094	lb ai/A	MP	0	83	100	87	87	100	100	100
19	BASAGRAN	4	EC	.5	lb ai/A	MP								
19	COBRA	2	L	.125	lb ai/A	MP								
19	SUNIT II	L		1	qt pr/A	MP								
20	SELECT	2	EC	.094	lb ai/A	MP	0	83	93	100	87	97	100	100
20	PINNACLE	25	DF	.004	lb ai/A	MP								
20	COBRA	2	L	.125	lb ai/A	MP								
20	SUNIT II	L		1	qt pr/A	MP								
21	SELECT	2	EC	.094	lb ai/A	MP	0	93	93	87	80	100	90	100
21	RESOURCE	.86	EC	.027	lb ai/A	MP								
21	BASAGRAN	4	EC	.5	lb ai/A	MP								
21	SUNIT II	L		1	qt pr/A	MP								
22	SELECT	2	EC	.094	lb ai/A	MP	0	90	100	80	90	97	100	63
22	RESOURCE	.86	EC	.027	lb ai/A	MP								
22	COBRA	2	L	.094	lb ai/A	MP								
22	SUNIT II	L		1	qt pr/A	MP								
23	SELECT	2	EC	.094	lb ai/A	MP	8	83	100	77	93	93	97	100
23	RESOURCE	.86	EC	.027	lb ai/A	MP								
23	CLASSIC	25	DF	.008	lb ai/A	MP								
23	SUNIT II	L		1	qt pr/A	MP								
LSD (P=.05)							3.2	21.3	9.6	10.1	9.1	6.6	8.3	13.6
Standard Deviation							2.0	12.9	5.8	6.1	5.5	4.0	5.0	8.3
CV							387.01	14.2	6.64	7.98	6.94	4.52	5.72	9.36

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SOYBEAN POSTEMERGENCE IV

Project Code: S5024 Location : LEXINGTON, KY.  
Cooperator : By: C. H. SLACK

**Site Description**  
Crop: SOYBEAN Variety: FLYER Planting Date: 15-5-95  
Planting Method: ROWS Rate, Unit: 12 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 30 , IN  
Soil Temp., Unit: 60 , F  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Seed Bed Desc.: CONV  
Tillage Type: CONV Study Design: RCB

**Soil Description**  
pH: 6.2 CEC: 21.5  
% OM: 4.2 % Sand: 12 % Silt: 61 % Clay: 27

**Moisture Conditions**  
Moisture On: Date Amount Unit Type Date Amount Unit Type

**Application Information**

	A	B	C	D	E	F
Application Date:	3-6-95	6-6-95	10-6-95			
Time of Day:	11 AM	1 PM	3 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	EP	MP	EP+7D			
Air Temp., Unit:	76 ,F	84 ,F	85 ,F			
% Relative Humidity:	50	60	50			
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	4 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	69 ,F	72 ,F	74 ,F			
Soil Moisture:	HIGH	GOOD	GOOD			
% Cloud Cover:	40	50	40			
<b>Weed Species Weed Stage, Density at Application</b>						
CHEAL	1-3"	2-5"				
ABUTH	1-3"	2-4"				
SETFA	1-3"	2-4"	3-7"			
XANST	2-4"	3-6"				

**Application Equipment**

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	4	FLAT FAN	8004	20	20	5 FT	25	WATER	30
B. CO2	4	FLAT FAN	8004	20	20	5 FT	25	WATER	30
C. CO2	4	FLAT FAN	8004	20	20	5 FT	25	WATER	30

SOYBEAN POSTEMERGENCE V STS

Project Code:S5025  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	CHEAL CONTROL PERCENT
Rating Data Type										
Rating Unit										
Rating Date										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	XANST	CHEAL	GLYMA	SETFA	XANST	CHEAL
1	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	93	87	0	93	93	87	0	93	93	90
	1 COC		L		1 qt pr/A	MP										
	1 LIQUID N		L		2 qt pr/A	MP										
	1 ASSURE II	.88	EC	.06	lb ai/A	+7D										
	1 COC		L		1 qt pr/A	+7D										
2	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	100	90	10	100	90	90	0	100	90	90
	2 CLASSIC	25	DF	.001	lb ai/A	MP										
	2 COC		L		1 qt pr/A	MP										
	2 LIQUID N		L		2 qt pr/A	MP										
	2 ASSURE II	.88	EC	.06	lb ai/A	+7D										
	2 COC		L		1 qt pr/A	+7D										
3	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	90	90	0	90	90	93	0	93	90	93
	3 ASSURE II	.88	EC	.06	lb ai/A	MP										
	3 COC		L		1 qt pr/A	MP										
	3 LIQUID N		L		2 qt pr/A	MP										
4	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	90	87	0	90	93	90	0	93	93	93
	4 POAST PLUS	1	EC	.188	lb ai/A	MP										
	4 COC		L		1 qt pr/A	MP										
	4 LIQUID N		L		2 qt pr/A	MP										
5	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	93	90	20	93	90	93	0	93	90	93
	5 COBRA	2	L	.063	lb ai/A	MP										
	5 COC		L		1 qt pr/A	MP										
	5 LIQUID N		L		2 qt pr/A	MP										
	5 ASSURE II	.88	EC	.06	lb ai/A	+7D										
	5 COC		L		1 qt pr/A	+7D										
6	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	87	90	13	87	90	97	0	77	87	90
	6 COBRA	2	L	.063	lb ai/A	MP										
	6 ASSURE II	.88	EC	.06	lb ai/A	MP										
	6 COC		L		1 qt pr/A	MP										
	6 LIQUID N		L		2 qt pr/A	MP										
7	PURSUIT	70	DF	.063	lb ai/A	MP	93	80	20	93	93	73	0	93	93	73
	7 SUNIT II		L	.75	qt pr/A	MP										
	7 LIQUID N		L		2 qt pr/A	MP										
	7 ASSURE II	.88	EC	.06	lb ai/A	+7D										
	7 COC		L		1 qt pr/A	+7D										
8	CANOPY	75	DF	.375	lb ai/A	PRE	63	83	0	67	80	93	0	67	80	93
9	CLASSIC	25	DF	.01	lb ai/A	MP	7	40	0	7	50	23	0	7	43	10
9	SPREADER 80			.25	% v/v	MP										

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	KANST	CHEAL	GLYMA	SETFA	KANST	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	GGGG	BBBB	GLYMA	SETFA	KANST	CHEAL	GLYMA	SETFA	KANST	CHEAL
No	Name	Amt	Ds	Rate	Unit	Stg	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
10	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	87	90	0	87	90	100	0	80	90	100
10	SYNCHRONY STS	42	DF	.013	lb ai/A	MP										
10	COC		L	1	qt pr/A	MP										
10	LIQUID N		L	2	qt pr/A	MP										
11	FRONTIER	7.5	EC	1.2	lb ai/A	MP	77	87	0	53	93	100	0	73	93	100
11	SYNCHRONY STS	42	DF	.013	lb ai/A	MP										
11	COC		L	1	qt pr/A	MP										
11	LIQUID N		L	2	qt pr/A	MP										
12	CHECK						90	7	0	90	13	7	0	90	7	7
12	ASSURE II	.8	EC	.06	lb ai/A	MP										
12	COC		L	1	qt pr/A	MP										
LSD (P=.05)							11.5	19.0	2.8	23.1	25.1	16.7	0.0	13.4	22.5	14.0
Standard Deviation							6.8	11.2	1.7	13.6	14.8	9.8	0.0	7.9	13.3	8.3
CV							8.41	14.67	31.58	17.23	18.39	12.47	.	9.91	16.75	10.66

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Weed Science Field Research

SOYBEAN POSTEMERGENCE VI STS

Project Code:S5028  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
1	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	70	90	3	67	87	100	87	100
1	COC		L	1	qt pr/A	MP								
1	LIQUID N		L	2	qt pr/A	MP								
1	ASSURE II	.88	EC	.06	lb ai/A	+7D								
1	COC		L	1	qt pr/A	+7D								
2	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	57	90	10	57	97	100	87	100
2	CLASSIC	25	DF	.001	lb ai/A	MP								
2	COC		L	1	qt pr/A	MP								
2	LIQUID N		L	2	qt pr/A	MP								
2	ASSURE II	.88	EC	.06	lb ai/A	+7D								
2	COC		L	1	qt pr/A	+7D								
3	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	100	90	0	100	97	100	87	97
3	ASSURE II	.88	EC	.06	lb ai/A	MP								
3	COC		L	1	qt pr/A	MP								
3	LIQUID N		L	2	qt pr/A	MP								
4	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	93	77	3	93	93	100	73	93
4	FOAST PLUS	1	EC	.188	lb ai/A	MP								
4	COC		L	1	qt pr/A	MP								
4	LIQUID N		L	2	qt pr/A	MP								
5	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	50	93	20	43	97	100	90	97
5	COBRA	2	L	.063	lb ai/A	MP								
5	COC		L	1	qt pr/A	MP								
5	LIQUID N		L	2	qt pr/A	MP								
5	ASSURE II	.88	EC	.06	lb ai/A	+7D								
5	COC		L	1	qt pr/A	+7D								
6	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	100	97	7	100	97	100	100	100
6	COBRA	2	L	.063	lb ai/A	MP								
6	ASSURE II	.88	EC	.06	lb ai/A	MP								
6	COC		L	1	qt pr/A	MP								
6	LIQUID N		L	2	qt pr/A	MP								
7	PURSUIT	70	DF	.063	lb ai/A	MP	87	83	33	87	90	100	70	83
7	SUNIT II		L	.75	qt pr/A	MP								
7	LIQUID N		L	2	qt pr/A	MP								
7	ASSURE II	.88	EC	.06	lb ai/A	+7D								
7	COC		L	1	qt pr/A	+7D								
8	CANOPY	75	DF	.375	lb ai/A	PRE	67	83	0	67	80	93	73	100
9	CLASSIC	25	DF	.01	lb ai/A	MP	33	73	0	27	100	100	93	63
9	SPREADER 80			.25	% v/v	MP								

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	GGGG	BBBB	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
		Amt	Ds	Rate	Unit	Stg	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
10	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	100	90	0	100	97	100	73	87
10	SYNCHRONY STS	42	DF	.013	lb ai/A	MP								
10	COC		L	1	qt pr/A	MP								
10	LIQUID N		L	2	qt pr/A	MP								
11	FRONTIER	7.5	EC	1.2	lb ai/A	MP	60	97	7	63	100	100	90	97
11	SYNCHRONY STS	42	DF	.013	lb ai/A	MP								
11	COC		L	1	qt pr/A	MP								
11	LIQUID N		L	2	qt pr/A	MP								
12	CHECK						100	20	0	100	10	10	10	10
12	ASSURE II	.8	EC	.06	lb ai, A	MP								
12	COC		L	1	qt pr/A	MP								
LSD (P=.05)							20.9	12.7	10.8	21.0	16.3	5.6	16.7	20.8
Standard Deviation							12.4	7.5	6.4	12.4	9.6	3.3	9.8	12.3
CV							16.18	9.18	91.82	16.5	11.09	3.63	12.64	14.38

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN POSTEMERGENCE VI STS

Project Code:S5028  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
		Amt	Ds	Rate	Unit	Stg	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	0	83	87	100	90	100
1	COC		L		1 qt pr/A	MP						
1	LIQUID N		L		2 qt pr/A	MP						
1	ASSURE II	.88	EC	.06	lb ai/A	+7D						
1	COC		L		1 qt pr/A	+7D						
2	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	0	93	97	100	97	100
2	CLASSIC	25	DF	.001	lb ai/A	MP						
2	COC		L		1 qt pr/A	MP						
2	LIQUID N		L		2 qt pr/A	MP						
2	ASSURE II	.88	EC	.06	lb ai/A	+7D						
2	COC		L		1 qt pr/A	+7D						
3	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	0	100	97	100	93	97
3	ASSURE II	.88	EC	.06	lb ai/A	MP						
3	COC		L		1 qt pr/A	MP						
3	LIQUID N		L		2 qt pr/A	MP						
4	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	0	100	100	100	90	100
4	POAST PLUS	1	EC	.188	lb ai/A	MP						
4	COC		L		1 qt pr/A	MP						
4	LIQUID N		L		2 qt pr/A	MP						
5	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	0	53	97	100	90	97
5	COBRA	2	L	.063	lb ai/A	MP						
5	COC		L		1 qt pr/A	MP						
5	LIQUID N		L		2 qt pr/A	MP						
5	ASSURE II	.88	EC	.06	lb ai/A	+7D						
5	COC		L		1 qt pr/A	+7D						
6	SYNCHRONY STS	42	DF	.013	lb ai/A	MP	0	100	97	100	93	93
6	COBRA	2	L	.063	lb ai/A	MP						
6	ASSURE II	.88	EC	.06	lb ai/A	MP						
6	COC		L		1 qt pr/A	MP						
6	LIQUID N		L		2 qt pr/A	MP						
7	PURSUIT	70	DF	.063	lb ai/A	MP	0	83	90	100	70	60
7	SUNIT II		L	.75	qt pr/A	MP						
7	LIQUID N		L		2 qt pr/A	MP						
7	ASSURE II	.88	EC	.06	lb ai/A	+7D						
7	COC		L		1 qt pr/A	+7D						
8	CANOPY	75	DF	.375	lb ai/A	PRE	0	53	77	93	73	100
9	CLASSIC	25	DF	.01	lb ai/A	MP	0	27	100	100	93	77
9	SPREADER 80			.25	% v/v	MP						

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	AMBTR	AMACH	IPOHE	CHEAL
10	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	100	93	100	73	93
10	SYNCHRONY STS	42	DF	.013	lb ai/A	MP						
10	COC		L	1	qt pr/A	MP						
10	LIQUID N		L	2	qt pr/A	MP						
11	FRONTIER	7.5	EC	1.2	lb ai/A	MP	0	67	100	100	90	93
11	SYNCHRONY STS	42	DF	.013	lb ai/A	MP						
11	COC		L	1	qt pr/A	MP						
11	LIQUID N		L	2	qt pr/A	MP						
12	CHECK						0	100	10	10	10	10
12	ASSURE II	.8	EC	.06	lb ai/A	MP						
12	COC		L	1	qt pr/A	MP						
	LSD (P=.05)						0.0	26.7	14.9	5.6	15.4	15.9
	Standard Deviation						0.0	15.7	8.8	3.3	9.1	9.4
	CV						.	19.67	10.14	3.63	11.35	11.03

19-9-95 (S5028)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

SOYBEAN POSTEMERGENCE VI STS

Project Code: S5028

Location : LEXINGTON, KY.

Cooperator :

By: C. H. SLACK

**Site Description**

Crop: SOYBEAN Variety: STS Planting Date: 24-5-95  
 Planting Method: ROWS Rate, Unit: 12 , FT Depth, Unit: 1 , IN  
 Row Spacing, Unit: 30 , IN  
 Soil Temp., Unit: 60 , F Soil Moisture: HIGH Emergence Date: 31-5-95  
 Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
 Ground Cover: 10%

Study Design: RCB

Field Preparation/Plot Maintenance: FALL PLOWED, SPRING DISKED AND FIELD  
CULTIVATED.

**Soil Description**

Texture: SILT LOAM % OM: 3.2 % Sand: 9.9 % Silt: 63.5 % Clay: 26.6  
 pH: 6.2 CEC: 21.8 Soil Name: MAURY Fertility Level: HIGH

**Moisture Conditions**

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
Application Information								
Application Date:	24-5-95	8-6-95	15-6-95		D	E	F	
Time of Day:	2PM	4 PM	10 AM					
Application Method:	BROADCAST	BROADCAST	BROADCAST					
Application Timing:	PRE	MP	+7D					
Air Temp., Unit:	80 , F	84 , F	75 , F					
% Relative Humidity:	60	70	40					
Wind Velocity, Unit:	4 , MPH	3 , MPH	3 , MPH					
Dew Presence (Y/N):	N	N	N					
Soil Temp., Unit:	75 , F	78 , F	70 , D					
Soil Moisture:	HIGH	GOOD	GOOD					
% Cloud Cover:	99	70	50					
Weed Species	Weed Stage, Density at Application							
SETFA	2-3", 1-3L							
AMBTR	2-4", 4-6L							
AMACH	1-3", 4-6L							
IPOHE	2-4", 4-6L							
CHEAL	1-3", 6-8L							
Application Equipment								
Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom		
Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	20	20"	5 FT	25	WATER 30
B. CO2	3.5	FLAT FAN	8004	20	19"	5 FT	25	WATER 30
C. CO2	3.5	FLAT FAN	8004	20	19"	5 FT	25	WATER 30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN POSTEMERGENCE (FOXTAIL)

Project Code:S5026  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	SETFA	GLYMA	SETFA	GLYMA
Rating Data Type	CONTROL	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	21-6-95	21-6-95	24-7-95	24-7-95
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	SETFA CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	GLYMA INJURY PERCENT
1	SELECT	2	EC	.094	lb ai/A	MP	100	20	100	0
	COC	L		1	qt pr/A	MP				
	LIQUID N	L		1	qt pr/A	MP				
1	BASAGRAN	4	EC	.5	lb ai/A	+7D				
1	COBRA	2	L	.125	lb ai/A	+7D				
1	COC	L		.5	qt pr/A	+7D				
1	LIQUID N	L		2	qt pr/A	+7D				
2	SELECT	2	EC	.125	lb ai/A	MP	100	17	100	0
2	BASAGRAN	4	EC	.5	lb ai/A	MP				
2	COBRA	2	L	.125	lb ai/A	MP				
2	COC	L		.5	qt pr/A	MP				
2	LIQUID N	L		2	qt pr/A	MP				
3	SELECT	2	EC	.125	lb ai/A	MP	100	23	100	0
3	CLASSIC	25	DF	.008	lb ai/A	MP				
3	COBRA	2	L	.125	lb ai/A	MP				
3	COC	L		.5	qt pr/A	MP				
3	LIQUID N	L		2	qt pr/A	MP				
4	SELECT	2	EC	.125	lb ai/A	MP	100	20	93	0
4	PURSUIT	70	DF	.063	lb ai/A	MP				
4	COBRA	2	L	.125	lb ai/A	MP				
4	COC	L		.5	qt pr/A	MP				
4	LIQUID N	L		2	qt pr/A	MP				
5	SELECT	2	EC	.125	lb ai/A	MP	100	20	100	0
5	STORM	2	EC	.75	lb ai/A	MP				
5	COC	L		.5	qt pr/A	MP				
5	LIQUID N	L		2	qt pr/A	MP				
6	SELECT	2	EC	.125	lb ai/A	MP	100	20	100	0
6	GALAXY	3.67	EC	.92	lb ai/A	MP				
6	COC	L		.5	qt pr/A	MP				
6	LIQUID N	L		2	qt pr/A	MP				
7	CHECK						0	0	0	0
LSD (P=.05)							0.0	5.3	3.9	0.0
Standard Deviation							0.0	3.0	2.2	0.0
CV							0.0	17.24	2.57	.

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Site Description

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN POSTEMERGENCE (FOXTAIL)

Project Code: S5026  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 24-5-95  
 Planting Method: ROWS Rate, Unit: 8 , FT Depth, Unit: 1 , IN  
 Row Spacing, Unit: 30 , IN  
 Soil Temp., Unit: 70 , F Soil Moisture: HIGH Emergence Date: 29-5-95  
 Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
 Ground Cover: 10%  
 Tillage Type: CONVENTIONAL Study Design: RCB  
 Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED

Soil Description

Texture: SILT LOAM % OM: 3.4 % Sand: 7 % Silt: 68 % Clay: 25  
 pH: 6.2 CEC: 20 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
Application Information								
		A	B	C	D	E	F	
Application Date:	9-6-95	19-6-95						
Time of Day:	3 PM	1 PM						
Application Method:	BROADCAST	BROADCAST						
Application Timing:	MP	+7D						
Air Temp., Unit:	78 ,F	76 ,F						
% Relative Humidity:	78	60						
Wind Velocity, Unit:	4 ,MPH	4 ,MPH						
Dew Presence (Y/N):	N	N						
Soil Temp., Unit:	77 ,F	75 ,F						
Soil Moisture:	HIGH	MEDIUM						
% Cloud Cover:	40	50						
Weed Species	Weed Stage, Density at Application							
SETFA	2-3L, 2-4"							

Application Information

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
Application Information								
		A	B	C	D	E	F	
Application Date:	9-6-95	19-6-95						
Time of Day:	3 PM	1 PM						
Application Method:	BROADCAST	BROADCAST						
Application Timing:	MP	+7D						
Air Temp., Unit:	78 ,F	76 ,F						
% Relative Humidity:	78	60						
Wind Velocity, Unit:	4 ,MPH	4 ,MPH						
Dew Presence (Y/N):	N	N						
Soil Temp., Unit:	77 ,F	75 ,F						
Soil Moisture:	HIGH	MEDIUM						
% Cloud Cover:	40	50						
Weed Species	Weed Stage, Density at Application							
SETFA	2-3L, 2-4"							

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

## SOYBEAN POSTEMERGENCE (VOLUNTEER CORN)

Project Code:S5027  
Cooperator :Location : LEXINGTON, KY.  
By:C. H SLACK

Weed/Crop Code	VOL.CORN	GLYMA	VOL.CORN	GLYMA
Rating Data Type	CONTROL	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	22-6-95	22-6-95	22-7-95	22-7-95
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg				
		Amt	Ds								
1	SELECT	2	EC	.094	lb ai/A	MP		100	10	100	0
1	COC	L		1	qt pr/A	MP					
1	LIQUID N	L		1	qt pr/A	MP					
1	BASAGRAN	4	EC	.5	lb ai/A	+7D					
1	COBRA	2	L	.125	lb ai/A	+7D					
1	COC	L		.5	qt pr/A	+7D					
1	LIQUID N	L		2	qt pr/A	+7D					
2	SELECT	2	EC	.125	lb ai/A	MP		100	3	100	0
2	BASAGRAN	4	EC	.5	lb ai/A	MP					
2	COBRA	2	L	.125	lb ai/A	MP					
2	COC	L		.5	qt pr/A	MP					
2	LIQUID N	L		2	qt pr/A	MP					
3	SELECT	2	EC	.125	lb ai/A	MP		100	0	100	0
3	CLASSIC	25	DF	.008	lb ai/A	MP					
3	COBRA	2	L	.125	lb ai/A	MP					
3	COC	L		.5	qt pr/A	MP					
3	LIQUID N	L		2	qt pr/A	MP					
4	SELECT	2	EC	.125	lb ai/A	MP		100	4	100	0
4	PURSUIT	70	DF	.063	lb ai/A	MP					
4	COBRA	2	L	.125	lb ai/A	MP					
4	COC	L		.5	qt pr/A	MP					
4	LIQUID N	L		2	qt pr/A	MP					
5	SELECT	2	EC	.125	lb ai/A	MP		100	10	100	0
5	STORM	2	EC	.75	lb ai/A	MP					
5	COC	L		.5	qt pr/A	MP					
5	LIQUID N	L		2	qt pr/A	MP					
6	SELECT	2	EC	.125	lb ai/A	MP		100	10	100	0
6	GALAXY	3.67	EC	.92	lb ai/A	MP					
6	COC	L		.5	qt pr/A	MP					
6	LIQUID N	L		2	qt pr/A	MP					
7	SELECT	2	EC	.063	lb ai/A	MP		100	3	100	0
7	PURSUIT	70	DF	.063	lb ai/A	MP					
7	RESOURCE	.86	EC	.027	lb ai/A	MP					
7	COC	L		.5	qt pr/A	MP					
7	LIQUID N	L		2	qt pr/A	MP					
8	CHECK							0	0	0	0

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	VOL.CORN	GLYMA	VOL.CORN	GLYMA
Rating Data Type	CONTROL	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	22-6-95	22-6-95	22-7-95	22-7-95
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt Treatment	Form Fm	Rate	Grow
No Name	Amt Ds Rate	Unit	Stg
=====			
LSD (P=.05)		0.0	6.1
Standard Deviation		0.0	3.5
CV		0.0	69.4

19-9-95 (S5027)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

SOYBEAN POSTEMERGENCE (VOLUNTEER CORN)

Project Code: S5027  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN  
Planting Method: ROWS  
Soil Temp., Unit: 70 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED  
Variety: FLYER  
Rate, Unit: 8 , FT  
Row Spacing, Unit: 30 , IN  
Soil Moisture: HIGH  
Plot Length, Unit: 44 , FT  
Study Design: RCB  
Emergence Date: 29-5-95  
Reps: 3  
Ground Cover: 10%

Soil Description

Texture: SILT LOAM  
pH: 6.2 CEC: 20  
% OM: 3.4  
Soil Name: MAURY  
% Sand: 7  
% Silt: 68  
% Clay: 25  
Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	4-6-95	19-6-95				
Time of Day:	3 PM	2 PM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	MP	+ 7D				
Air Temp., Unit:	78 ,F	68 ,F				
% Relative Humidity:	78	60				
Wind Velocity, Unit:	4 ,MPH	4 ,MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	77 ,F	68 ,F				
Soil Moisture:	HIGH	MEDIUM				
% Cloud Cover:	40	20				
Weed Species	Weed Stages, Density at Application					
VOLUNTEER CORN	2-3L, 2-4"					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN POSTEMERGENCE (LIBERTY)

Project Code: S5034  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	AMACH	CHEAL	ABUTH	IPOPU	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	AMACH	CHEAL	ABUTH	IPOPU	XANST
1	LIBERTY	1.67	E	.36	lb ai/A	MP	83	50	0	83	83	25	60	60	100
2	LIBERTY	1.67	E	.27	lb ai/A	MP	40	40	0	40	78	5	50	58	98
2	LIBERTY	1.67	E	.27	lb ai/A	MP									
3	LIBERTY	1.67	E	.36	lb ai/A	MP	78	60	0	78	93	33	43	75	95
3	CULTIVATION														
4	SENCOR	75	DF	.375	lb ai/A	PRE	98	80	0	98	100	100	98	68	60
4	LIBERTY	1.67	E	.27	lb ai/A	MP									
5	LIBERTY	1.67	E	.27	lb ai/A	MP	75	70	0	75	100	50	98	88	98
5	PURSUIT	70	DF	.063	lb ai/A	MP									
6	PURSUIT	70	DF	.063	lb ai/A	MP	98	85	1	98	100	75	100	68	100
6	SUNIT II	L		1	qt pr/A	MP									
6	LIQUID N	L		1	qt pr/A	MP									
7	GALAXY	3.67	EC	.92	lb ai/A	MP	100	88	4	100	98	95	100	75	83
7	FUSION	2.66	EC	.16	lb ai/A	MP									
7	SUNIT II	L		1	qt pr/A	MP									
8	HANDWEDED						30	13	0	30	13	0	13	28	43
9	CHECK						35	13	0	35	18	13	33	35	38
10	NONTRANSFORMED						50	45	10	50	98	8	43	40	100
10	LIBERTY	1.67	E	.036	lb ai/A	MP									
LSD (P=.05)							29.9	21.1	1.7	29.9	19.2	25.6	29.1	34.0	36.5
Standard Deviation							20.6	14.6	1.2	20.6	13.2	17.6	20.1	23.4	25.1
CV							30.06	26.82	78.57	30.06	17.04	43.82	31.61	39.55	30.94

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN POSTEMERGENCE (LIBERTY)

Project Code:S5034  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	AMACH	CHEAL	ABUTH	IPOPU	XANST
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm Ds	Rate	Unit	Grow Stg	GLYMA	SETFA	AMACH	CHEAL	ABUTH	IPOPU	XANST
1	LIBERTY	1.67	E	.36	lb ai/A	MP	0	18	23	13	23	20	13
2	LIBERTY	1.67	E	.27	lb ai/A	MP	0	88	93	20	93	98	100
2	LIBERTY	1.67	E	.27	lb ai/A	MP							
3	LIBERTY	1.67	E	.36	lb ai/A	MP	0	90	95	78	95	98	98
3	CULTIVATION												
4	SENCOR	75	DF	.375	lb ai/A	PRE	0	83	98	95	93	75	33
4	LIBERTY	1.67	E	.27	lb ai/A	MP							
5	LIBERTY	1.67	E	.27	lb ai/A	MP	0	58	93	20	88	93	100
5	PURSUIT	70	DF	.063	lb ai/A	MP							
6	PURSUIT	70	DF	.063	lb ai/A	MP	0	90	93	60	100	93	100
6	SUNIT II		L	1	qt pr/A	MP							
6	LIQUID N		L	1	qt pr/A	MP							
7	GALAXY	3.67	EC	.92	lb ai/A	MP	0	90	88	90	95	78	95
7	FUSION	2.66	EC	.16	lb ai/A	MP							
7	SUNIT II		L	1	qt pl 'A	MP							
8	HANDWEEDDED						0	85	75	68	98	90	88
9	CHECK						0	0	0	0	0	0	0
10	NONTRANSFORMED						0	0	0	0	0	0	0
10	LIBERTY	1.67	E	.036	lb ai/A	MP							
LSD (P=.05)							0.0	20.3	22.1	25.4	23.5	19.7	21.9
Standard Deviation							0.0	14.0	15.3	17.5	16.2	13.6	15.1
CV							.	23.35	23.28	39.57	23.74	21.15	24.15

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19-9-95 (S5034)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

SOYBEAN POSTEMERGENCE (LIBERTY)

Project Code: S5034

Location : LEXINGTON, KY.

Cooperator :

By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: LIBERTY-LINK Planting Date: 22-5-95  
 Planting Method: ROW Rate, Unit: 10 , FT Depth, Unit: 1.5 , IN  
 Row Spacing, Unit: 30 , IN  
 Soil Temp., Unit: 70 , F Soil Moisture: HIGH Emergence Date: 29-5-95  
 Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 30 , FT Reps: 4  
 Ground Cover: 10%  
 Tillage Type: CONVENTIONAL Study Design: RCB  
 Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED.

Soil Description

Texture: SILT LOAM % OM: 3.6 % Sand: 7.8 % Silt: 67.5 % Clay: 23  
 pH: 6.1 CEC: 18 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	22-5-95	8-6-95	19-6-95			
Time of Day:	4 PM	10 AM	2 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	MP	IFN			
Air Temp., Unit:	75 , F	78 , F	85 , F			
% Relative Humidity:	60	70	70			
Wind Velocity, Unit:	4 , MPH	4 , MPH	3.5 , MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	70 , F	76 , G	80 , F			
Soil Moisture:	HIGH	HIGH	GOOD			
% Cloud Cover:	30	20	25			
Weed Species	Weed Stage, Density at Application					
SETFA	3L , 4"					
AMACH	4L , 1.5"					
CHEAL	5L , 1.5"					
ABUTH	4L , 4"					
XANST	4L , 4"					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.8	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.8	FLAT FAN	800	19"	19"	5'	25	WATER	30

SOYBEAN VELVETLEAF

Project Code: S5030  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
1	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	87	3	100	93	97	97
1	ACTION	5	W	.0027	lb ai/A	LP							
1	SPREADER 80			.25	% v/v	LP							
2	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	90	17	100	97	90	100
2	ACTION	5	W	.0036	lb ai/A	LP							
2	SPREADER 80			.25	% v/v	LP							
3	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	80	7	100	87	83	77
3	ACTION	5	W	.0045	lb ai/A	LP							
3	SPREADER 80			.25	% v/v	LP							
4	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	90	20	100	100	83	100
4	ACTION	5	W	.0135	lb ai/A	LP							
4	SPREADER 80			.25	% v/v	LP							
5	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	83	17	100	97	77	93
5	ACTION	5	W	.005	lb ai/A	LP							
5	SPREADER 80			.25	% v/v	LP							
6	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	90	10	100	97	87	93
6	RESOURCE	.86	EC	.027	lb ai/A	LP							
6	SPREADER 80			.25	% v/v	LP							
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	90	7	100	93	83	97
7	RESOURCE	.86	EC	.054	lb ai/A	LP							
7	SPREADER 80			.25	% v/v	LP							
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	100	27	100	93	93	100
8	RESOURCE	.86	EC	.081	lb ai/A	LP							
8	SPREADER 80			.25	% v/v	LP							
9	RESOURCE	.86	EC	.027	lb ai/A	EP	100	73	0	100	53	77	80
9	BASAGRAN	4	EC	.5	lb ai/A	EP							
9	SUNIT II		L	1	qt pr/A	EP							
9	SELECT	2	EC	.094	lb ai/A	+7D							
9	SUNIT II		L	1	qt pr/A	+7D							
10	RESOURCE	.86	EC	.027	lb ai/A	EP	100	73	10	100	80	87	90
10	CLASSIC	25	DF	.006	lb ai/A	EP							
10	SUNIT II		L	1	qt pr/A	EP							
10	SELECT	2	EC	.094	lb ai/A	+7D							
10	SUNIT II		L	1	qt p./A	+7D							

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
11	RESOURCE	.86	EC	.027	lb ai/A	EP	100	77	3	100	73	83	100
11	COBRA	2	L	.094	lb ai/A	EP							
11	SUNIT II		L		1 qt pr/A	EP							
11	SELECT	2	EC	.094	lb ai/A	+7D							
11	SUNIT II		L		1 qt pr/A	+7D							
12	RESOURCE	.86	EC	.027	lb ai/A	EP	100	97	7	100	100	100	97
12	PURSUIT	70	DF	.063	lb ai/A	EP							
12	SUNIT II		L		1 qt pr/A	EP							
12	SELECT	2	EC	.094	lb ai/A	+7D							
12	SUNIT II		L		1 qt pr/A	+7D							
13	RESOURCE	.86	EC	.027	lb ai/A	EP	100	93	3	100	97	90	93
13	SCEPTER	70	DF	.063	lb ai/A	EP							
13	SUNIT II		L		1 qt pr/A	EP							
13	SELECT	2	EC	.094	lb ai/A	+7D							
13	SUNIT II		L		1 qt pr/A	+7D							
14	RESOURCE	.86	EC	.027	lb ai/A	EP	100	90	13	100	100	97	100
14	REFLEX	2	EC	.375	lb ai/A	EP							
14	SUNIT II		L		1 qt pr/A	EP							
14	SELECT	2	EC	.094	lb ai/A	+7D							
14	SUNIT II		L		1 qt pr/A	+7D							
15	RESOURCE	.86	EC	.027	lb ai/A	EP	97	83	10	90	93	100	83
15	BASAGRAN	4	EC	.5	lb ai/A	EP							
15	PINNACLE	25	DF	.002	lb ai/A	EP							
15	SUNIT II		L		1 qt pr/A	EP							
15	SELECT	2	EC	.094	lb ai/A	+7D							
15	SUNIT II		L		1 qt pr/A	+7D							
16	RESOURCE	.86	EC	.027	lb ai/A	EP	100	90	13	100	83	97	100
16	BASAGRAN	4	EC	.5	lb ai/A	EP							
16	COBRA	2	L	.094	lb ai/A	EP							
16	SUNIT II		L		1 qt pr/A	EP							
16	SELECT	2	EC	.094	lb ai/A	+7D							
16	SUNIT II		L		1 qt pr/A	+7D							
17	RESOURCE	.86	EC	.027	lb ai/A	EP	100	93	27	100	100	97	93
17	STORM	4	EC	.75	lb ai/A	EP							
17	SUNIT II		L		1 qt pr/A	EP							
17	SELECT	2	EC	.094	lb ai/A	+7D							
17	SUNIT II		L		1 qt pr/A	+7D							
18	RESOURCE	.86	EC	.027	lb ai/A	EP	97	87	23	97	97	100	100
18	COBRA	2	L	.094	lb ai/A	EP							
18	PURSUIT	70	DF	.063	lb ai/A	EP							
18	SUNIT II		L		1 qt pr/A	EP							
18	SELECT	2	EC	.094	lb ai/A	+7D							
18	SUNIT II		L		1 qt pr/A	+7D							

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
19	RESOURCE	.86	EC	.027	lb ai/A	EP	100	87	13	100	87	100	100
19	GALAXY	3.67	S	.69	lb ai/A	EP							
19	SUNIT II		L	1	qt pr/A	EP							
19	SELECT	2	EC	.094	lb ai/A	+7D							
19	SUNIT II		L	1	qt pr/A	+7D							
20	AC 299,263	1	E	.032	lb ai/A	MP	87	80	0	87	100	90	87
20	SPREADER 80			.25	% v/v	MP							
20	LIQUID N		L	1	qt pr/A	MP							
20	SELECT	2	EC	.094	lb ai/A	+7D							
20	SUNIT II		L	1	qt pr/A	+7D							
21	AC 299,263	1	E	.040	lb ai/A	MP	83	80	10	87	100	93	80
21	SPREADER 80			.25	% v/v	MP							
21	LIQUID N		L	1	qt pr/A	MP							
21	SELECT	2	EC	.094	lb ai/A	+7D							
21	SUNIT II		L	1	qt pr/A	+7D							
22	FIRSTRATE	84	W	.031	lb ai/A	PRE	100	97	10	100	100	97	97
22	DUAL II	7.8	EC	1.95	lb ai/A	PRE							
23	FIRSTRATE	84	W	.039	lb ai/A	PRE	100	100	0	100	100	100	100
23	DUAL II	7.8	EC	1.95	lb ai/A	PRE							
24	FUSION	2.66	EC	.25	lb ai/A	MP	100	93	33	100	90	100	100
24	REFLEX	2	EC	.375	lb ai/A	MP							
24	COC		L	1	lb ai/A	MP							
24	LIQUID N		L	2.5	qt pr/A	MP							
25	FUSION	2.66	EC	.25	lb ai/A	MP	100	87	20	100	97	90	97
25	FLEXSTAR	1	L	.375	lb ai/A	MP							
25	COC		L	1	lb ai/A	MP							
25	LIQUID N		L	2.5	qt pr/A	MP							
26	DUAL II	7.8	EC	1.95	lb ai/A	PRE	100	93	10	100	97	97	93
26	PURSUIT	70	DF	.063	lb ai/A	MP							
26	SUNIT II		L	.75	qt pr/A	MP							
26	LIQUID N		L	1	qt pr/A	MP							
27	CONCLUDE	5.53	L	1.03	lb ai/A	MP	100	90	27	100	83	77	97
27	COC		L	1	qt pr/A	MP							
28	COMMAND	4	EC	.75	lb ai/A	PRE	100	90	7	100	93	93	87
LSD (P=.05)							6.4	12.7	19.7	8.1	17.9	18.4	18.4
Standard Deviation							3.9	7.8	12.1	4.9	10.9	11.3	11.3
CV							3.95	8.85	97.44	5.0	11.87	12.34	12.0

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SOYBEAN VELVETLEAF

Project Code:S5030  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Amt	Rate	Unit	Grow Stg	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
1	DUAL II	7.8	EC	1.95	lb ai/A	PRE		3	100	100	87	97
1	ACTION	5	W	.0027	lb ai/A	LP						
1	SPREADER 80			.25	% v/v	LP						
2	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	97	83	100
2	ACTION	5	W	.0036	lb ai/A	LP						
2	SPREADER 80			.25	% v/v	LP						
3	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	90	83	80
3	ACTION	5	W	.0045	lb ai/A	LP						
3	SPREADER 80			.25	% v/v	LP						
4	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	97	83	100
4	ACTION	5	W	.0135	lb ai/A	LP						
4	SPREADER 80			.25	% v/v	LP						
5	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	97	77	97
5	ACTION	5	W	.005	lb ai/A	LP						
5	SPREADER 80			.25	% v/v	LP						
6	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	97	90	97
6	RESOURCE	.86	EC	.027	lb ai/A	LP						
6	SPREADER 80			.25	% v/v	LP						
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	100	83	93
7	RESOURCE	.86	EC	.054	lb ai/A	LP						
7	SPREADER 80			.25	% v/v	LP						
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE		0	100	93	93	90
8	RESOURCE	.86	EC	.081	lb ai/A	LP						
8	SPREADER 80			.25	% v/v	LP						
9	RESOURCE	.86	EC	.027	lb ai/A	EP		0	100	57	77	97
9	BASAGRAN	4	EC	.5	lb ai/A	EP						
9	SUNIT II		L	1	qt pr/A	EP						
9	SELECT	2	EC	.094	lb ai/A	+7D						
9	SUNIT II		L	1	qt pr/A	+7D						
10	RESOURCE	.86	EC	.027	lb ai/A	EP		0	100	80	87	90
10	CLASSIC	25	DF	.006	lb ai/A	EP						
10	SUNIT II		L	1	qt pr/A	EP						
10	SELECT	2	EC	.094	lb ai/A	+7D						
10	SUNIT II		L	1	qt pr/A	+7D						

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GLYMA INJURY CONTROL PERCENT	SETFA CONTROL PERCENT	ABUTH CONTROL PERCENT	CHEAL CONTROL PERCENT	IPOHE CONTROL PERCENT
11	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	70	87	100
11	COBRA	2	L	.094	lb	ai/A	EP						
11	SUNIT II		L	1	qt	pr/A	EP						
11	SELECT	2	EC	.094	lb	ai/A	+7D						
11	SUNIT II		L	1	qt	pr/A	+7D						
12	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	100	100	100
12	PURSUIT	70	DF	.063	lb	ai/A	EP						
12	SUNIT II		L	1	qt	pr/A	EP						
12	SELECT	2	EC	.094	lb	ai/A	+7D						
12	SUNIT II		L	1	qt	pr/A	+7D						
13	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	97	93	93
13	SCEPTER	70	DF	.063	lb	ai/A	EP						
13	SUNIT II		L	1	qt	pr/A	EP						
13	SELECT	2	EC	.094	lb	ai/A	+7D						
13	SUNIT II		L	1	qt	pr/A	+7D						
14	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	100	90	100
14	REFLEX	2	EC	.375	lb	ai/A	EP						
14	SUNIT II		L	1	qt	pr/A	EP						
14	SELECT	2	EC	.094	lb	ai/A	+7D						
14	SUNIT II		L	1	qt	pr/A	+7D						
15	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	87	87	93
15	BASAGRAN	4	EC	.5	lb	ai/A	EP						
15	PINNACLE	25	DF	.002	lb	ai/A	EP						
15	SUNIT II		L	1	qt	pr/A	EP						
15	SELECT	2	EC	.094	lb	ai/A	+7D						
15	SUNIT II		L	1	qt	pr/A	+7D						
16	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	77	97	90
16	BASAGRAN	4	EC	.5	lb	ai/A	EP						
16	COBRA	2	L	.094	lb	ai/A	EP						
16	SUNIT II		L	1	qt	pr/A	EP						
16	SELECT	2	EC	.094	lb	ai/A	+7D						
16	SUNIT II		L	1	qt	pr/A	+7D						
17	RESOURCE	.86	EC	.027	lb	ai/A	EP		0	100	100	83	93
17	STORM	4	EC	.75	lb	ai/A	EP						
17	SUNIT II		L	1	qt	pr/A	EP						
17	SELECT	2	EC	.094	lb	ai/A	+7D						
17	SUNIT II		L	1	qt	pr/A	+7D						
18	RESOURCE	.86	EC	.027	lb	ai/A	EP		7	97	97	100	100
18	COBRA	2	L	.094	lb	ai/A	EP						
18	PURSUIT	70	DF	.063	lb	ai/A	EP						
18	SUNIT II		L	1	qt	pr/A	EP						
18	SELECT	2	EC	.094	lb	ai/A	+7D						
18	SUNIT II		L	1	qt	pr/A	+7D						

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	ABUTH	CHEAL	IPOHE
19	RESOURCE	.86	EC	.027	lb ai/A	EP	0	100	90	90	100
19	GALAXY	3.67	S	.69	lb ai/A	EP					
19	SUNIT II		L	1	qt pr/A	EP					
19	SELECT	2	EC	.094	lb ai/A	+7D					
19	SUNIT II		L	1	qt pr/A	+7D					
20	AC 299,263	1	E	.032	lb ai/A	MP	0	87	100	80	87
20	SPREADER 80			.25	% v/v	MP					
20	LIQUID N		L	1	qt pr/A	MP					
20	SELECT	2	EC	.094	lb ai/A	+7D					
20	SUNIT II		L	1	qt pr/A	+7D					
21	AC 299,263	1	E	.040	lb ai/A	MP	0	93	100	90	80
21	SPREADER 80			.25	% v/v	MP					
21	LIQUID N		L	1	qt pr/A	MP					
21	SELECT	2	EC	.094	lb ai/A	+7D					
21	SUNIT II		L	1	qt pr/A	+7D					
22	FIRSTRATE	84	W	.031	lb ai/A	PRE	0	100	100	90	90
22	DUAL II	7.8	EC	1.95	lb ai/A	PRE					
23	FIRSTRATE	84	W	.039	lb ai/A	PRE	0	100	100	100	100
23	DUAL II	7.8	EC	1.95	lb ai/A	PRE					
24	FUSION	2.66	EC	.25	lb ai/A	MP	0	100	90	100	100
24	REFLEX	2	EC	.375	lb ai/A	MP					
24	COC		L	1	lb ai/A	MP					
24	LIQUID N		L	2.5	qt pr/A	MP					
25	FUSION	2.66	EC	.25	lb ai/A	MP	7	100	100	100	97
25	FLEXSTAR	1	L	.375	lb ai/A	MP					
25	COC		L	1	lb ai/A	MP					
25	LIQUID N		L	2.5	qt pr/A	MP					
26	DUAL II	7.8	EC	1.95	lb ai/A	PRE	0	100	97	97	93
26	PURSUIT	70	DF	.063	lb ai/A	MP					
26	SUNIT II		L	.75	qt pr/A	MP					
26	LIQUID N		L	1	qt pr/A	MP					
27	CONCLUDE	5.53	L	1.03	lb ai/A	MP	0	100	77	83	90
27	COC		L	1	qt pr/A	MP					
28	COMMAND	4	EC	.75	lb ai/A	PRE	0	100	93	97	83
LSD (P=.05)							5.3	6.2	15.8	20.4	13.8
Standard Deviation							3.2	3.8	9.7	12.5	8.4
CV							345.36	3.81	10.48	13.92	8.99



19-9-95 (S5030)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

SOYBEAN VELVETLEAF

Project Code: S5030  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 24-5-95  
Planting Method: ROW Rate, Unit: 10 , ' Depth, Unit: 1.5 , "  
Row Spacing, Unit: 30 , "  
Soil Temp., Unit: 68 , F Soil Moisture: HIGH Emergence Date: 30-5-95  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 44 , FT Reps: 3  
Ground Cover: 20%  
Tillage Type: CONVENTIONAL Study Design: RCB  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED & FIELD CULTIVATED.

Soil Description

Texture: SILT LOAM % OM: 3 % Sand: 9.6 % Silt: 67.3 % Clay: 23.1  
pH: 6 CEC: 15 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 24-5-95 4-6-95 12-6-95 19-6-95 E F  
Time of Day: 10 AM 2 PM 1 PM 2 PM  
Application Method: BROADCAST BROADCAST BROADCAST BROADCAST  
Application Timing: PRE EP + 7D, MP + 7D, LP  
Air Temp., Unit: 76 ,F 69 ,F 65 ,F 74 ,F  
% Relative Humidity: 50 50 40 50  
Wind Velocity, Unit: 4 ,MPH 4 ,MPH 4 ,MPH 4 ,MPH  
Dew Presence (Y/N): N N N N  
Soil Temp., Unit: 67 ,F 69 ,F 67 ,F 72 ,F  
Soil Moisture: HIGH HIGH HIGH HIGH  
% Cloud Cover: 30 30 25 30

Weed Species Weed Stage, Density at Application

ABUTH 2" ,2L 4" ,3L 6-8" ,6L  
SETFA 2" ,2L 4" ,3L 6" ,5L  
CHEAL 1.5" ,4L 3" ,6L 5" ,10L  
PHBPU 2" ,2L 4" ,4L 6" ,6L

Application Equipment

Sprayer Speed Nozzle Nozzle Nozzle Nozzle Boom  
Type MPH Type Size Height Spacing Width GPA Carrier PSI  
A. C02 4 WHEELER 4 FLAT FAN 8004 19" 19" 5' 25 WATER 30  
B. C02 4 FLAT FAN 8004 19" 19" 5' 25 WATER 30  
C. C02 4 FLAT FAN 8004 19" 19" 5' 25 WATER 30  
D. C02 4 FLAT FAN 8004 19" 19" 5' 25 WATER 30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT

Project Code:S5017  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	PRM Data Type	Decimals Printed	GGGG CONTROL PERCENT 4 WEEK	BBBB CONTROL PERCENT 4 WEEK	GLYMA INJURY PERCENT 4 WEEK	SETFA CONTROL PERCENT 4 WEEK	PHBPU CONTROL PERCENT 4 WEEK	XANST CONTROL PERCENT 4 WEEK	GLYMA INJURY PERCENT 8 WEEK	SETFA CONTROL PERCENT 8 WEEK	PHBPU CONTROL PERCENT 8 WEEK	XANST CONTROL PERCENT 8 WEEK
						P	P	P	P	P	P	P	P	P	P
						0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT 4 WEEK	BBBB CONTROL PERCENT 4 WEEK	GLYMA INJURY PERCENT 4 WEEK	SETFA CONTROL PERCENT 4 WEEK	PHBPU CONTROL PERCENT 4 WEEK	XANST CONTROL PERCENT 4 WEEK	GLYMA INJURY PERCENT 8 WEEK	SETFA CONTROL PERCENT 8 WEEK	PHBPU CONTROL PERCENT 8 WEEK	XANST CONTROL PERCENT 8 WEEK
1	COMMAND	4	EC	1 lb ai/A	2WK		40	47	0	40	27	93	0	33	43	90
1	CANOPY	75	DF	.094 lb ai/A	2WK											
1	WEEDONE 638	2.80	EC	0.5 lb ai/A	2WK											
1	REFLEX	2	EC	.375 lb ai/A	MP											
1	COC	L		1 qt pr/A	MP											
1	LIQUID N	L		1 qt pr/A	MP											
2	COMMAND	4	EC	1 lb ai/A	2WK		3	23	0	3	30	43	0	3	33	43
2	CANOPY	75	DF	.094 lb ai/A	2WK											
2	WEEDONE 638	2.80	EC	0.5 lb ai/A	2WK											
3	COMMAND	4	EC	1 lb ai/A	2WK		63	50	0	63	47	80	0	77	57	77
3	LIBERTY	1.67	AS	0.71 lb ai/A	2WK											
3	PURSUIT	70	DF	.031 lb ai/A	MP											
3	SUNIT II	L		0.5 qt pr/A	MP											
3	LIQUID N	L		1 qt pr/A	MP											
4	CANOPY	75	DF	.24 lb ai/A	PRE		80	73	0	80	63	97	0	87	73	97
4	LIBERTY	1.67	AS	0.71 lb ai/A	PRE											
4	PURSUIT	70	DF	0.031 lb ai/A	MP											
4	SUNIT II	L		0.5 qt pr/A	MP											
4	LIQUID N	L		1 qt pr/A	MP											
5	BROADSTRIKE + DUAL	7.67	SC	2.64 lb ai/A	2WK		3	23	0	3	10	70	0	0	27	63
5	ROUNDUP	4	L	0.75 lb ai/A	2WK											
5	X-77			0.25 % v/v	2WK											
6	BROADSTRIKE + DUAL	7.67	SC	2.40 lb ai/A	PRE		57	37	0	57	33	90	0	60	40	80
6	ROUNDUP	4	L	0.75 lb ai/A	PRE											
6	X-77			0.25 % v/v	PRE											
7	BROADSTRIKE SF + DUA	7.75	SC	2.20 lb ai/A	2WK		7	30	0	7	17	63	0	3	20	60
7	ROUNDUP	4	L	0.75 lb ai/A	2WK											
7	X-77			0.25 % v/v	2WK											
8	BROADSTRIKE SF + DUA	7.75	SC	1.80 lb ai/A	PRE		53	40	0	53	33	87	0	47	33	87
8	ROUNDUP	4	L	0.75 lb ai/A	PRE											
8	X-77			0.25 % v/v	PRE											
9	WEEDONE LV4	3.8	SC	.5 lb ai/A	1WK		0	37	0	0	37	47	0	0	37	47
10	ROUNDUP	4	L	.5 lb ai/A	1WK		0	10	0	0	3	30	0	3	3	30
10	QUEST			.25 qt pr/A	1WK											
10	X-77			0.5 % v/v	1WK											

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Weed/Crop Code		GGGG	BBBB	GLYMA	SETFA	PHBPU	XANST	GLYMA	SETFA	PHBPU	XANST	
Rating Data Type		CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Trt-Eval Interval		4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	
PRM Data Type		P	P	P	P	P	P	P	P	P	P	
Decimals Printed		0	0	0	0	0	0	0	0	0	0	
Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	PHBPU	XANST
11	WEEDONE LV4	3.8	SC	.5 lb ai/A	1WK		3	20	0	3	17	53
11	ROUNDUP	4	L	.5 lb ai/A	1WK							
11	QUEST		L	.25 qt pr/A	1WK							
11	X-77			0.5 % v/v	1WK							
12	GRAMOXONE EXTRA	2.5	L	0.625 lb ai/A	1WK		0	3	0	0	3	0
12	X-77			0.25 % v/v	1WK							
13	PROWL	3.3	EC	1 lb ai/A	1WK		0	13	0	0	3	27
13	ROUNDUP	4	L	.5 lb ai/A	1WK							
13	QUEST		L	.25 qt pr/A	1WK							
13	X-77			0.5 % v/v	1WK							
14	PROWL	3.3	EC	1 lb ai/A	1WK		0	3	0	0	7	0
14	GRAMOXONE EXTRA	2.5	L	0.625 lb ai/A	1WK							
14	X-77			0.25 % v/v	1WK							
15	PENTAGON	60	WG	1 lb ai/A	1WK		0	3	0	0	10	0
15	WEEDONE LV4	3.8	SC	.5 lb ai/A	1WK							
16	PENTAGON	60	WG	1 lb ai/A	1WK		0	10	0	0	7	13
16	ROUNDUP	4	L	.5 lb ai/A	1WK							
16	QUEST		L	.25 qt pr/A	1WK							
16	X-77			0.5 % v/v	1WK							
17	PENTAGON	60	WP	1 lb ai/A	1WK		0	7	0	0	7	7
17	WEEDONE LV4	3.8	SC	.5 lb ai/A	1WK							
17	ROUNDUP	4	L	.5 lb ai/A	1WK							
17	QUEST		L	.25 qt pr/A	1WK							
17	X-77			0.5 % v/v	1WK							
18	PENTAGON	60	WP	1 lb ai/A	1WK		0	7	0	0	10	0
18	GRAMOXONE EXTRA	2.5	L	0.625 lb ai/A	1WK							
18	X-77			0.25 % v/v	1WK							
19	FRONTIER	7.5	EC	0.85 lb ai/A	2WK		67	73	0	67	67	97
19	ROUNDUP	4	L	1 lb ai/A	2WK							
19	X-77			0.5 % v/v	2WK							
19	FRONTIER	7.5	EC	0.45 lb ai/A	PRE							
19	CANOPY	75	DF	0.375 lb ai/A	PRE							
19	COC		L	1 qt pr/A	PRE							
20	FRONTIER	7.5	EC	1.3 lb ai/A	2WK		10	37	0	10	37	83
20	CANOPY	75	DF	0.375 lb ai/A	2WK							
20	ROUNDUP	4	L	1 lb ai/A	2WK							
20	X-77			0.5 % v/v	2WK							
21	FRONTIER	7.5	EC	1.3 lb ai/A	PRE		63	67	0	63	60	90
21	CANOPY	75	DF	0.375 lb ai/A	PRE							
21	ROUNDUP	4	L	1 lb ai/A	PRE							
21	X-77			0.5 % v/v	PRE							

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	PHBPU	XANST	GLYMA	SETFA	PHBPU	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt Treatment	Form	Fm	Rate	Grow												
No	Name	Amt	Ds	Rate	Unit	Stg										
22	CHECK WEEDY						0	0	0	0	0	0	7	0	0	
LSD (P=.05)							11.7	24.0	0.0	11.7	23.5	44.7	0.0	15.4	24.3	47.0
Standard Deviation							7.1	14.5	0.0	7.1	14.3	27.1	0.0	9.3	14.7	28.5
CV							34.72	52.13	.	34.72	62.76	54.22	.	43.37	57.24	60.1

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT

Project Code: S5017  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN  
Planting Method: NO-TILL  
Soil Temp., Unit: 70 , F  
Plot Width/Area, Unit: 6.33 , FT  
Tillage Type: MINIMUM

Variety: FLYER  
Rate, Unit: 4 , FT  
Row Spacing, Unit: 8 , IN  
Soil Moisture: GOOD  
Plot Length, Unit: 30 , FT  
Study Design: RCB

Planting Date: 24-5-95  
Depth, Unit: 1 , IN  
Emergence Date: 31-5-95  
Reps: 3

Soil Description

Texture: SILT LOAM  
pH: 6

% OM: 4.1  
CEC: 24.9

Soil Name: LANTON  
Fertility Level: GOOD

% Sand: 6.3  
% Silt: 64.7  
% Clay: 28.9

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	25-4-95	3-5-95	24-5-95	4-6-95		
Time of Day:	3:30PM	1 PM	3 PM	3 PM		
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST		
Application Timing:	2WK	1WK	PRE	MP		
Air Temp., Unit:	63 ,F	64 ,F	85 ,F	80 ,F		
% Relative Humidity:	55	40	50	60		
Wind Velocity, Unit:	4.5 ,MPH	4 ,MPH	4 ,MPH	4 ,MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	59 ,F	58 ,F	70 ,F	65 ,F		
Soil Moisture:	GOOD	GOOD	GOOD	GOOD		
% Cloud Cover:	10	30	20	30		
Weed Species	Weed Stage, Density at Application					
SETFA				3"		,3L
XANST				4"		,4L
PHBPU				3"		,3L

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.33'	25	WATER	30
B. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.33'	25	WATER	30
C. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30
D. CO2	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT II

Project Code:S5018  
Cooperator :

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	PRM Data Type	Decimals Printed	GGGG CONTROL PERCENT 4 WEEK	BBBB CONTROL PERCENT 4 WEEK	GLYMA INJURY PERCENT 4 WEEK	SETFA CONTROL PERCENT 4 WEEK	DIGSA CONTROL PERCENT 4 WEEK	PHBPU CONTROL PERCENT 4 WEEK	ERICA CONTROL PERCENT 4 WEEK	XANST CONTROL PERCENT 4 WEEK	CHEAL CONTROL PERCENT 4 WEEK
						P	P	P	P	P	P	P	P	P
						0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT 4 WEEK	BBBB CONTROL PERCENT 4 WEEK	GLYMA INJURY PERCENT 4 WEEK	SETFA CONTROL PERCENT 4 WEEK	DIGSA CONTROL PERCENT 4 WEEK	PHBPU CONTROL PERCENT 4 WEEK	ERICA CONTROL PERCENT 4 WEEK	XANST CONTROL PERCENT 4 WEEK	CHEAL CONTROL PERCENT 4 WEEK
1	SELECT	2	EC	.031	lb ai/A	1WK	90	77	0	90	90	73	90	97	100
1	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
1	COC		L	1	qt pr/A	1WK									
1	LIQUID N		L	1	qt pr/A	1WK									
1	PURSUIT	70	DF	.063	lb ai/A	+4W									
1	COBRA	2	L	.1	lb ai/A	+4W									
1	COC		L	1	qt pr/A	+4W									
1	LIQUID N		L	1	qt pr/A	+4W									
2	SELECT	2	EC	.043	lb ai/A	1WK	93	83	0	93	100	87	87	100	100
2	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
2	COC		L	1	qt pr/A	1WK									
2	LIQUID N		L	1	qt pr/A	1WK									
2	PURSUIT	70	DF	.063	lb ai/A	+4W									
2	COBRA	2	L	.1	lb ai/A	+4W									
2	COC		L	1	qt pr/A	+4W									
2	LIQUID N		L	1	qt pr/A	+4W									
3	SELECT	2	EC	.063	lb ai/A	1WK	83	73	0	83	87	77	87	87	100
3	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
3	COC		L	1	qt pr/A	1WK									
3	LIQUID N		L	1	qt pr/A	1WK									
3	PURSUIT	70	DF	.063	lb ai/A	+4W									
3	COBRA	2	L	.1	lb ai/A	+4W									
3	COC		L	1	qt pr/A	+4W									
3	LIQUID N		L	1	qt pr/A	+4W									
4	SELECT	2	EC	.074	lb ai/A	1WK	90	87	0	93	83	87	87	100	100
4	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
4	COC		L	1	qt pr/A	1WK									
4	LIQUID N		L	1	qt pr/A	1WK									
4	PURSUIT	70	DF	.063	lb ai/A	+4W									
4	COBRA	2	L	.1	lb ai/A	+4W									
4	COC		L	1	qt pr/A	+4W									
4	LIQUID N		L	1	qt pr/A	+4W									
5	SELECT	2	EC	.094	lb ai/A	1WK	97	80	0	93	93	77	80	93	100
5	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
5	COC		L	1	qt pr/A	1WK									
5	LIQUID N		L	1	qt pr/A	1WK									
5	PURSUIT	70	DF	.063	lb ai/A	+4W									
5	COBRA	2	L	.1	lb ai/A	+4W									
5	COC		L	1	qt pr/A	+4W									
5	LIQUID N		L	1	qt pr/A	+4W									

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
6	SELECT	2	EC	.043	lb	ai/A	1WK		100	80	0	100	100	90	87	90	100
6	PROWL	3.3	EC		1	lb	ai/A	1WK									
6	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK										
6	COC		L		1	qt	pr/A	1WK									
6	LIQUID N		L		1	qt	pr/A	1WK									
6	PURSUIT	70	DF	.063	lb	ai/A	+4W										
6	COBRA	2	L	.1	lb	ai/A	+4W										
6	COC		L		1	qt	pr/A	+4W									
6	LIQUID N		L		1	qt	pr/A	+4W									
7	SELECT	2	EC	.063	lb	ai/A	1WK		100	73	0	100	100	100	73	87	100
7	PROWL	3.3	EC		1	lb	ai/A	1WK									
7	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK										
7	COC		L		1	qt	pr/A	1WK									
7	LIQUID N		L		1	qt	pr/A	1WK									
7	PURSUIT	70	DF	.063	lb	ai/A	+4W										
7	COBRA	2	L	.1	lb	ai/A	+4W										
7	COC		L		1	qt	pr/A	+4W									
7	LIQUID N		L		1	qt	pr/A	+4W									
8	SELECT	2	EC	.063	lb	ai/A	1WK		100	47	0	100	100	100	27	100	60
8	COC		L		1	qt	pr/A	1WK									
8	LIQUID N		L		1	qt	pr/A	1WK									
8	PURSUIT	70	DF	.063	lb	ai/A	+4W										
8	COBRA	2	L	.1	lb	ai/A	+4W										
8	COC		L		1	qt	pr/A	+4W									
8	LIQUID N		L		1	qt	pr/A	+4W									
9	SELECT	2	EC	.031	lb	ai/A	1WK		87	60	0	83	100	90	53	93	63
9	SENCOR	75	DF	.09	lb	ai/A	1WK										
9	COC		L		1	qt	pr/A	1WK									
9	LIQUID N		L		1	qt	pr/A	1WK									
9	PURSUIT	70	DF	.063	lb	ai/A	+4W										
9	COBRA	2	L	.1	lb	ai/A	+4W										
9	COC		L		1	qt	pr/A	+4W									
9	LIQUID N		L		1	qt	pr/A	+4W									
10	ROUNDUP	4	L	.5	lb	ai/A	1WK		87	73	0	87	80	90	87	77	97
10	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK										
10	QUEST		L		1	qt	pr/A	1WK									
10	X-77			.25	%	v/v	1WK										
10	PURSUIT	70	DF	.063	lb	ai/A	+4W										
10	COBRA	2	L	.1	lb	ai/A	+4W										
10	COC		L		1	qt	pr/A	+4W									
10	LIQUID N		L		1	qt	pr/A	+4W									
11	SQUADRON	2.33	EC	.87	lb	ai/A	1WK		67	67	0	60	87	63	97	53	100
11	PROWL	3.3	EC	.41	lb	ai/A	1WK										
11	ROUNDUP	4	L		1	lb	ai/A	1WK									
11	X-77			.5	%	v/v	1WK										

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL	BBBB CONTROL	GLYMA INJURY	SETFA CONTROL	DIGSA CONTROL	PHBPU CONTROL	ERICA CONTROL	XANST CONTROL	CHEAL CONTROL
12	SQUADRON	2.33	EC	.87	lb ai/A	1WK	63	63	0	60	97	67	100	67	93
12	PROWL	3.3	EC	.41	lb ai/A	1WK									
12	SENCOR 75DF	75	DF	.25	lb ai/A	1WK									
12	ROUNDUP	4	L	1	lb ai/A	1WK									
12	X-77			.5	% v/v	1WK									
13	DETAIL	4.1	EC	1.03	lb ai/A	1WK	57	73	0	57	87	63	100	83	90
13	ROUNDUP	4	L	1	lb ai/A	1WK									
13	X-77			.5	% v/v	1WK									
14	DUAL	8	EC	2.5	lb ai/A	1WK	73	67	0	63	87	53	93	93	83
14	SCEPTER	70	WP	.125	lb ai/A	1WK									
14	ROUNDUP	4	L	1	lb ai/A	1WK									
14	X-77			.5	% v/v	1WK									
15	CANOPY	75	DF	.23	lb ai/A	1WK	27	73	0	20	93	77	93	97	77
15	COC		L	1	lb ai/A	1WK									
16	DUAL	8	EC	2	lb ai/A	1WK	47	70	0	47	87	63	100	87	100
16	CANOPY	75	DF	.23	lb ai/A	1WK									
16	ROUNDUP	4	L	1	lb ai/A	1WK									
16	X-77			.5	% v/v	1WK									
17	PROWL	3.3	EC	1.24	lb ai/A	1WK	37	43	0	30	83	67	97	40	87
17	ROUNDUP	4	L	1	lb ai/A	1WK									
17	X-77			.5	% v/v	1WK									
18	CANOPY	75	DF	.375	lb ai/A	1WK	100	77	0	100	100	63	100	93	100
18	WEEDONE 638	2.80	EC	.75	lb ai/A	1WK									
18	ASSURE II	.8	EC	.055	lb ai/A	MP									
18	COC		L	1	qt pr/A	MP									
19	TOUCHDOWN	6	L	1	lb ai/A	PRE	100	83	0	100	100	70	100	100	100
19	X-77			.5	% v/v	PRE									
19	REFLEX	2	EC	.375	lb ai/A	MP									
19	FUSION	2.66	EC	.25	lb ai/A	MP									
19	SUNIT II		L	1	qt pr/A	MP									
19	LIQUID N		L	2	qt pr/A	MP									
20	TOUCHDOWN	6	L	1	lb ai/A	PRE	100	90	0	100	100	83	100	100	100
20	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE									
20	X-77			.5	% v/v	PRE									
20	REFLEX	2	EC	.375	lb ai/A	MP									
20	FUSION	2.66	EC	.25	lb ai/A	MP									
20	SUNIT II		L	1	qt pr/A	MP									
20	LIQUID N		L	2	qt pr/A	MP									

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LSD (P=.05)	14.3	22.3	0.0	18.0	17.8	24.1	15.9	21.6	15.9
Standard Deviation	8.6	13.5	0.0	10.9	10.8	14.6	9.6	13.1	9.6
CV	10.82	18.74	.	14.0	11.63	18.96	11.11	15.09	10.4



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT II

Project Code:S5018  
Cooperator :

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm Amt	Fm Ds	Rate	Unit	Grow Stg	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
1	SELECT	2	EC	.031	lb	ai/A	1WK	0	87	90	67	83	83	100
1	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
1	COC		L	1	qt	pr/A	1WK							
1	LIQUID N		L	1	qt	pr/A	1WK							
1	PURSUIT	70	DF	.063	lb	ai/A	+4W							
1	COBRA	2	L	.1	lb	ai/A	+4W							
1	COC		L	1	qt	pr/A	+4W							
1	LIQUID N		L	1	qt	pr/A	+4W							
2	SELECT	2	EC	.043	lb	ai/A	1WK	0	93	100	83	83	87	100
2	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
2	COC		L	1	qt	pr/A	1WK							
2	LIQUID N		L	1	qt	pr/A	1WK							
2	PURSUIT	70	DF	.063	lb	ai/A	+4W							
2	COBRA	2	L	.1	lb	ai/A	+4W							
2	COC		L	1	qt	pr/A	+4W							
2	LIQUID N		L	1	qt	pr/A	+4W							
3	SELECT	2	EC	.063	lb	ai/A	1WK	0	83	87	77	87	77	100
3	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
3	COC		L	1	qt	pr/A	1WK							
3	LIQUID N		L	1	qt	pr/A	1WK							
3	PURSUIT	70	DF	.063	lb	ai/A	+4W							
3	COBRA	2	L	.1	lb	ai/A	+4W							
3	COC		L	1	qt	pr/A	+4W							
3	LIQUID N		L	1	qt	pr/A	+4W							
4	SELECT	2	EC	.074	lb	ai/A	1WK	0	93	83	87	83	87	97
4	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
4	COC		L	1	qt	pr/A	1WK							
4	LIQUID N		L	1	qt	pr/A	1WK							
4	PURSUIT	70	DF	.063	lb	ai/A	+4W							
4	COBRA	2	L	.1	lb	ai/A	+4W							
4	COC		L	1	qt	pr/A	+4W							
4	LIQUID N		L	1	qt	pr/A	+4W							
5	SELECT	2	EC	.094	lb	ai/A	1WK	0	93	93	73	80	93	100
5	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
5	COC		L	1	qt	pr/A	1WK							
5	LIQUID N		L	1	qt	pr/A	1WK							
5	PURSUIT	70	DF	.063	lb	ai/A	+4W							
5	COBRA	2	L	.1	lb	ai/A	+4W							
5	COC		L	1	qt	pr/A	+4W							
5	LIQUID N		L	1	qt	pr/A	+4W							

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Rate	Unit	Grow Stg	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
6	SELECT	2	EC	.043	lb	ai/A	1WK	0	97	100	80	83	87	100
6	PROWL	3.3	EC	1	lb	ai/A	1WK							
6	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
6	COC		L	1	qt	pr/A	1WK							
6	LIQUID N		L	1	qt	pr/A	1WK							
6	PURSUIT	70	DF	.063	lb	ai/A	+4W							
6	COBRA	2	L	.1	lb	ai/A	+4W							
6	COC		L	1	qt	pr/A	+4W							
6	LIQUID N		L	1	qt	pr/A	+4W							
7	SELECT	2	EC	.063	lb	ai/A	1WK	0	93	97	97	73	87	100
7	PROWL	3.3	EC	1	lb	ai/A	1WK							
7	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
7	COC		L	1	qt	pr/A	1WK							
7	LIQUID N		L	1	qt	pr/A	1WK							
7	PURSUIT	70	DF	.063	lb	ai/A	+4W							
7	COBRA	2	L	.1	lb	ai/A	+4W							
7	COC		L	1	qt	pr/A	+4W							
7	LIQUID N		L	1	qt	pr/A	+4W							
8	SELECT	2	EC	.063	lb	ai/A	1WK	0	100	100	100	27	93	60
8	COC		L	1	qt	pr/A	1WK							
8	LIQUID N		L	1	qt	pr/A	1WK							
8	PURSUIT	70	DF	.063	lb	ai/A	+4W							
8	COBRA	2	L	.1	lb	ai/A	+4W							
8	COC		L	1	qt	pr/A	+4W							
8	LIQUID N		L	1	qt	pr/A	+4W							
9	SELECT	2	EC	.031	lb	ai/A	1WK	0	83	100	83	47	93	63
9	SENCOR	75	DF	.09	lb	ai/A	1WK							
9	COC		L	1	qt	pr/A	1WK							
9	LIQUID N		L	1	qt	pr/A	1WK							
9	PURSUIT	70	DF	.063	lb	ai/A	+4W							
9	COBRA	2	L	.1	lb	ai/A	+4W							
9	COC		L	1	qt	pr/A	+4W							
9	LIQUID N		L	1	qt	pr/A	+4W							
10	ROUNDUP	4	L	.5	lb	ai/A	1WK	0	87	80	87	83	70	97
10	WEEDONE 638	2.80	EC	.5	lb	ai/A	1WK							
10	QUEST		L	1	qt	pr/A	1WK							
10	X-77			.25	%	v/v	1WK							
10	PURSUIT	70	DF	.063	lb	ai/A	+4W							
10	COBRA	2	L	.1	lb	ai/A	+4W							
10	COC		L	1	qt	pr/A	+4W							
10	LIQUID N		L	1	qt	pr/A	+4W							
11	SQUADRON	2.33	EC	.87	lb	ai/A	1WK	0	60	87	63	97	53	100
11	PROWL	3.3	EC	.41	lb	ai/A	1WK							
11	ROUNDUP	4	L	1	lb	ai/A	1WK							
11	X-77			.5	%	v/v	1WK							

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	DIGSA	PHBPU	ERICA	XANST	CHEAL
12	SQUADRON	2.33	EC	.87	lb ai/A	1WK	0	57	97	67	97	63	93
12	PROWL	3.3	EC	.41	lb ai/A	1WK							
12	SENCOR 75DF	75	DF	.25	lb ai/A	1WK							
12	ROUNDUP	4	L	1	lb ai/A	1WK							
12	X-77			.5	% v/v	1WK							
13	DETAIL	4.1	EC	1.03	lb ai/A	1WK	0	53	80	63	97	80	87
13	ROUNDUP	4	L	1	lb ai/A	1WK							
13	X-77			.5	% v/v	1WK							
14	DUAL	8	EC	2.5	lb ai/A	1WK	0	63	87	53	87	83	80
14	SCEPTER	70	WP	.125	lb ai/A	1WK							
14	ROUNDUP	4	L	1	lb ai/A	1WK							
14	X-77			.5	% v/v	1WK							
15	CANOPY	75	DF	.23	lb ai/A	1WK	0	20	93	77	90	97	77
15	COC		L	1	lb ai/A	1WK							
16	DUAL	8	EC	2	lb ai/A	1WK	0	43	87	63	100	87	90
16	CANOPY	75	DF	.23	lb ai/A	1WK							
16	ROUNDUP	4	L	1	lb ai/A	1WK							
16	X-77			.5	% v/v	1WK							
17	PROWL	3.3	EC	1.24	lb ai/A	1WK	0	30	83	67	93	40	87
17	ROUNDUP	4	L	1	lb ai/A	1WK							
17	X-77			.5	% v/v	1WK							
18	CANOPY	75	DF	.375	lb ai/A	1WK	0	100	100	63	100	83	100
18	WEEDONE 638	2.80	EC	.75	lb ai/A	1WK							
18	ASSURE II	.8	EC	.055	lb a/A	MP							
18	COC		L	1	qt pr/A	MP							
19	TOUCHDOWN	6	L	1	lb ai/A	PRE	0	97	100	67	100	100	90
19	X-77			.5	% v/v	PRE							
19	REFLEX	2	EC	.375	lb ai/A	MP							
19	FUSION	2.66	EC	.25	lb ai/A	MP							
19	SUNIT II		L	1	qt pr/A	MP							
19	LIQUID N		L	2	qt pr/A	MP							
20	TOUCHDOWN	6	L	1	lb ai/A	PRE	0	97	100	77	93	100	100
20	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE							
20	X-77			.5	% v/v	PRE							
20	REFLEX	2	EC	.375	lb ai/A	MP							
20	FUSION	2.66	EC	.25	lb ai/A	MP							
20	SUNIT II		L	1	qt pr/A	MP							
20	LIQUID N		L	2	qt pr/A	MP							

LSD (P=.05)	0.0	17.4	18.4	21.2	15.5	24.8	16.2
Standard Deviation	0.0	10.5	11.2	12.9	9.4	15.0	9.8
CV	.	13.76	12.12	17.21	11.17	18.31	10.78

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT II

Project Code: S5018  
Cooperator :

Location : LEXINGTON  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 24-5-94  
Planting Method: DRILLED Rate, Unit: 4 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 8 , IN  
Soil Temp., Unit: 70 , F Soil Moisture: GOOD Emergence Date: 31-5-95  
Plot Width/Area, Unit: 6.33 , FT Plot Length, Unit: 30 , FT Reps: 3  
Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 4.1 % Sand: 6.3 % Silt: 64.7 % Clay: 28.9  
pH: 6 CEC: 24.9 Soil Name: LANTON Fertility Level: GOOD

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

Application Information

	A	B	C	D	E	F
Application Date:	3-5-95	24-5-95	4-6-95			
Time of Day:	11 AM	3 PM	3 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	1WK	PRE	MP & +4WK			
Air Temp., Unit:	61 ,F	85 ,F	80 ,F			
% Relative Humidity:	40	50	60			
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	3 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	58 ,F	70 ,F	75 ,F			
Soil Moisture:	GOOD	GOOD	GOOD			
% Cloud Cover:	30	20	30			
Weed Species	Weed Stage, Density at Application					
SETFA	2L ,2"	4L ,6"	3L ,3"			
PHBPU	1L ,2"	3L ,3"	2L ,4"			
XANST	2L ,2"	3L ,3"	4L ,4"			

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.33'	25	WATER	30
B. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30
C. CO2	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

MINIMUM TILL SOYBEAN EARLY PREPLANT

Project Code:S5019

Location :LEXINGTON, KY.

Cooperator :

By:C. H. SLACK

Weed/Crop Code	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	AMBTR CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT	POLPY CONTROL PERCENT
Rating Data Type										
Rating Unit										
Rating Date										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
1	COMMAND	4	EC	1	lb ai/A	2WK	93	90	0	93	100	100	100	80	100	100
1	CANOPY	75	DF	.094	lb ai/A	2WK										
1	WEEDONE 638	2.80	EC	0.5	lb ai/A	2WK										
1	REFLEX	2	EC	.375	lb ai/A	MP										
1	COC		L	1	qt pr/A	MP										
1	LIQUID N		L	1	qt pr/A	MP										
2	COMMAND	4	EC	1	lb ai/A	2WK	77	83	0	77	100	100	100	63	100	100
2	CANOPY	75	DF	.094	lb ai/A	2WK										
2	WEEDONE 638	2.80	EC	0.5	lb ai/A	2WK										
3	COMMAND	4	EC	1	lb ai/A	2WK	93	87	0	93	100	100	100	80	100	100
3	LIBERTY	1.67	AS	0.71	lb ai/A	2WK										
3	PURSUIT	70	DF	.031	lb ai/A	MP										
3	SUNIT II		L	0.5	qt pr/A	MP										
3	LIQUID N		L	1	qt pr/A	MP										
4	CANOPY	75	DF	.24	lb ai/A	PRE	93	87	0	93	90	100	100	87	100	97
4	LIBERTY	1.67	AS	0.71	lb ai/A	PRE										
4	PURSUIT	70	DF	0.031	lb ai/A	MP										
4	SUNIT II		L	0.5	qt pr/A	MP										
4	LIQUID N		L	1	qt pr/A	MP										
5	BROADSTRIKE + DUAL	7.67	SC	2.64	lb ai/A	2WK	80	80	0	80	100	97	100	67	100	100
5	ROUNDUP	4	L	0.75	lb ai/A	2WK										
5	X-77			0.25	% v/v	2WK										
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	90	77	0	90	100	97	93	57	100	100
6	ROUNDUP	4	L	0.75	lb ai/A	PRE										
6	X-77			0.25	% v/v	PRE										
7	BROADSTRIKE SF + DUA	7.75	SC	2.20	lb ai/A	2WK	73	73	0	73	100	100	100	53	87	100
7	ROUNDUP	4	L	0.75	lb ai/A	2WK										
7	X-77			0.25	% v/v	2WK										
8	BROADSTRIKE SF + DUA	7.75	SC	1.80	lb ai/A	PRE	90	73	0	90	97	97	97	53	100	100
8	ROUNDUP	4	L	0.75	lb ai/A	PRE										
8	X-77			0.25	% v/v	PRE										
9	WEEDONE LV4	3.8	SC	.5	lb ai/A	1WK	10	63	0	10	100	70	100	63	73	60
10	ROUNDUP	4	L	.5	lb ai/A	1WK	50	53	0	50	83	70	97	63	57	80
10	QUEST		L	.25	qt pr/A	1WK										
10	X-77			0.5	% v/v	1WK										

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
11	WEEDONE LV4	3.8	SC	.5	lb ai/A	1WK		57	50	0	57	100	100	100	57	53	93
11	ROUNDUP	4	L	.5	lb ai/A	1WK											
11	QUEST		L	.25	qt pr/A	1WK											
11	X-77			0.5	% v/v	1WK											
12	GRAMOXONE EXTRA	2.5	L	0.625	lb ai/A	1WK		47	47	0	47	73	93	83	63	87	17
12	X-77			0.25	% v/v	1WK											
13	PROWL	3.3	EC	1	lb ai/A	1WK		67	53	0	67	97	50	73	57	83	77
13	ROUNDUP	4	L	.5	lb ai/A	1WK											
13	QUEST		L	.25	qt pr/A	1WK											
13	X-77			0.5	% v/v	1WK											
14	PROWL	3.3	EC	1	lb ai/A	1WK		60	53	0	60	93	93	83	63	63	27
14	GRAMOXONE EXTRA	2.5	L	0.625	lb ai/A	1WK											
14	X-77			0.25	% v/v	1WK											
15	PENTAGON	60	WG	1	lb ai/A	1WK		0	70	0	0	100	97	100	90	97	57
15	WEEDONE LV4	3.8	SC	.5	lb ai/A	1WK											
16	PENTAGON	60	WG	1	lb ai/A	1WK		70	40	0	70	87	13	53	63	57	80
16	ROUNDUP	4	L	.5	lb ai/A	1WK											
16	QUEST		L	.25	qt pr/A	1WK											
16	X-77			0.5	% v/v	1WK											
17	PENTAGON	60	WP	1	lb ai/A	1WK		53	73	0	53	100	90	100	60	87	87
17	WEEDONE LV4	3.8	SC	.5	lb ai/A	1WK											
17	ROUNDUP	4	L	.5	lb ai/A	1WK											
17	QUEST		L	.25	qt pr/A	1WK											
17	X-77			0.5	% v/v	1WK											
18	PENTAGON	60	WP	1	lb ai/A	1WK		53	47	0	53	83	53	33	53	83	17
18	GRAMOXONE EXTRA	2.5	L	0.625	lb ai/A	1WK											
18	X-77			0.25	% v/v	1WK											
19	FRONTIER	7.5	EC	0.85	lb ai/A	2WK		90	87	0	90	100	100	100	77	100	100
19	ROUNDUP	4	L	1	lb ai/A	2WK											
19	X-77			0.5	% v/v	2WK											
19	FRONTIER	7.5	EC	0.45	lb ai/A	PRE											
19	CANOPY	75	DF	0.375	lb ai/A	PRE											
19	COC		L	1	qt pr/A	PRE											
20	FRONTIER	7.5	EC	1.3	lb ai/A	2WK		67	87	0	67	100	100	100	73	100	100
20	CANOPY	75	DF	0.375	lb ai/A	2WK											
20	ROUNDUP	4	L	1	lb ai/A	2WK											
20	X-77			0.5	% v/v	2WK											

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt Treatment No Name	Form Amt	Fm Ds	Rate Rate	Unit Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
21 FRONTIER	7.5 EC		1.3 lb ai/A		PRE	90	83	0	90	93	90	100	73	100	100
21 CANOPY	75 DF		0.375 lb ai/A		PRE										
21 ROUNDUP	4 L		1 lb ai/A		PRE										
21 X-77			0.5 $\frac{1}{2}$ v/v		PRE										
22 CHECK WEEDY						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						17.3	19.0	0.0	17.3	17.3	30.9	27.1	26.0	38.2	29.9
Standard Deviation						10.5	11.5	0.0	10.5	10.5	18.7	16.4	15.8	23.1	18.1
CV						16.44	17.41	.	16.44	11.53	22.76	18.86	24.86	27.87	23.61

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MINIMUM TILL SOYBEAN EARLY PREPLANT

Project Code: S5019

Location : LEXINGTON, KY.

Cooperator :

By: C. H. SLACK

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
1	COMMAND	4	EC	1	lb ai/A	2WK		0	97	100	100	100	90	100	100
1	CANOPY	75	DF	.094	lb ai/A	2WK									
1	WEEDONE 638	2.80	EC	0.5	lb ai/A	2WK									
1	REFLEX	2	EC	.375	lb ai/A	MP									
1	COC		L	1	qt pr/A	MP									
1	LIQUID N		L	1	qt pr/A	MP									
2	COMMAND	4	EC	1	lb ai/A	2WK		0	80	100	93	100	87	73	100
2	CANOPY	75	DF	.094	lb ai/A	2WK									
2	WEEDONE 638	2.80	EC	0.5	lb ai/A	2WK									
3	COMMAND	4	EC	1	lb ai/A	2WK		0	100	100	100	100	97	100	100
3	LIBERTY	1.67	AS	0.71	lb ai/A	2WK									
3	PURSUIT	70	DF	.031	lb ai/A	MP									
3	SUNIT II		L	0.5	qt pr/A	MP									
3	LIQUID N		L	1	qt pr/A	MP									
4	CANOPY	75	DF	.24	lb ai/A	PRE		0	100	90	100	93	63	100	100
4	LIBERTY	1.67	AS	0.71	lb ai/A	PRE									
4	PURSUIT	70	DF	0.031	lb ai/A	MP									
4	SUNIT II		L	0.5	qt pr/A	MP									
4	LIQUID N		L	1	qt pr/A	MP									
5	BROADSTRIKE + DUAL	7.67	SC	2.64	lb ai/A	2WK		0	83	100	97	100	83	90	100
5	ROUNDUP	4	L	0.75	lb ai/A	2WK									
5	X-77			0.25	g v/v	2WK									
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE		0	90	93	100	93	70	97	100
6	ROUNDUP	4	L	0.75	lb ai/A	PRE									
6	X-77			0.25	g v/v	PRE									
7	BROADSTRIKE SF + DUA	7.75	SC	2.20	lb ai/A	2WK		0	70	100	93	83	60	70	100
7	ROUNDUP	4	L	0.75	lb ai/A	2WK									
7	X-77			0.25	g v/v	2WK									
8	BROADSTRIKE SF + DUA	7.75	SC	1.80	lb ai/A	PRE		0	87	100	90	70	50	80	93
8	ROUNDUP	4	L	0.75	lb ai/A	PRE									
8	X-77			0.25	g v/v	PRE									
9	WEEDONE LV4	3.8	SC	.5	lb ai/A	1WK		0	10	100	80	90	77	73	87
10	ROUNDUP	4	L	.5	lb ai/A	1WK		0	50	83	60	93	73	57	97
10	QUEST		L	.25	qt pr/A	1WK									
10	X-77			0.5	g v/v	1WK									



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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	AMBTR CONTROL PERCENT	PHEPU CONTROL PERCENT	XANST CONTROL PERCENT	POLPY CONTROL PERCENT
8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0	8 WEEK P 0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHEPU	XANST	POLPY
11	WEEDONE LV4	3.8	SC	.5		lb ai/A	1WK		0	17	100	97	100	77	53	97
11	ROUNDUP	4	L	.5		lb ai/A	1WK									
11	QUEST		L	.25		qt pr/A	1WK									
11	X-77			0.5		% v/v	1WK									
12	GRAMOXONE EXTRA	2.5	L	0.625		lb ai/A	1WK		0	43	87	83	83	73	70	80
12	X-77			0.25		% v/v	1WK									
13	PROWL	3.3	EC	1		lb ai/A	1WK		0	57	100	33	80	50	83	100
13	ROUNDUP	4	L	.5		lb ai/A	1WK									
13	QUEST		L	.25		qt pr/A	1WK									
13	X-77			0.5		% v/v	1WK									
14	PROWL	3.3	EC	1		lb ai/A	1WK		0	20	97	70	83	57	53	97
14	GRAMOXONE EXTRA	2.5	L	0.625		lb ai/A	1WK									
14	X-77			0.25		% v/v	1WK									
15	PENTAGON	60	WG	1		lb ai/A	1WK		0	0	100	83	97	67	90	100
15	WEEDONE LV4	3.8	SC	.5		lb ai/A	1WK									
16	PENTAGON	60	WG	1		lb ai/A	1WK		0	63	100	20	50	70	63	100
16	ROUNDUP	4	L	.5		lb ai/A	1WK									
16	QUEST		L	.25		qt pr/A	1WK									
16	X-77			0.5		% v/v	1WK									
17	PENTAGON	60	WP	1		lb ai/A	1WK		0	43	100	80	97	63	83	100
17	WEEDONE LV4	3.8	SC	.5		lb ai/A	1WK									
17	ROUNDUP	4	L	.5		lb ai/A	1WK									
17	QUEST		L	.25		qt pr/A	1WK									
17	X-77			0.5		% v/v	1WK									
18	PENTAGON	60	WP	1		lb ai/A	1WK		0	27	93	43	40	43	67	93
18	GRAMOXONE EXTRA	2.5	L	0.625		lb ai/A	1WK									
18	X-77			0.25		% v/v	1WK									
19	FRONTIER	7.5	EC	0.85		lb ai/A	2WK		0	80	100	100	100	67	100	100
19	ROUNDUP	4	L	1		lb ai/A	2WK									
19	X-77			0.5		% v/v	2WK									
19	FRONTIER	7.5	EC	0.45		lb ai/A	PRE									
19	CANOPY	75	DF	0.375		lb ai/A	PRE									
19	COC		L	1		qt pr/A	PRE									
20	FRONTIER	7.5	EC	1.3		lb ai/A	2WK		0	63	100	100	100	77	97	100
20	CANOPY	75	DF	0.375		lb ai/A	2WK									
20	ROUNDUP	4	L	1		lb ai/A	2WK									
20	X-77			0.5		% v/v	2WK									

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Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBEL	AMBTR	PHBPU	XANST	POLPY
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0
-----								
Trt Treatment	Form	Fm	Rate	Grow				
No Name	Amt	Ds	Rate	Unit	Stg			
=====								
21 FRONTIER	7.5	EC	1.3	lb ai/A	PRE	0	93	93
21 CANOPY	75	DF	0.375	lb ai/A	PRE			
21 ROUNDUP	4	L	1	lb ai/A	PRE			
21 X-77			0.5	% v/v	PRE			
22 CHECK WEEDY						0	0	0
LSD (P=.05)	0.0		20.8			13.2	34.4	29.4
Standard Deviation	0.0		12.6			8.0	20.8	17.8
CV	.		21.75			8.61	26.69	21.23
						29.76	31.53	29.76
								8.83

MINIMUM TILL SOYBEAN EARLY PREPLANT

Project Code: S5019 Location : LEXINGTON, KY.  
Cooperator : By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 24-5-95  
Planting Method: NO-TILL Rate, Unit: 4 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 8 , IN  
Soil Temp., Unit: 70 , F Soil Moisture: GOOD Emergence Date: 31-5-95  
Plot Width/Area, Unit: 6.33 , FT Plot Length, Unit: 30 , FT Reps: 3  
Tillage Type: MINIMUM Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 4.1 % Sand: 6.3 % Silt: 64.7 % Clay: 28.9  
pH: 6 CEC: 24.9 Soil Name: LANFON Fertility Level: GOOD

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
Application Information								
		A	B	C	D	E	F	
Application Date:	25-4-95	3-5-95	24-5-95	4-6-95				
Time of Day:	3:30PM	1 PM	3 PM	3:30 PM				
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST				
Application Timing:	2WK	1WK	PRE	MP				
Air Temp., Unit:	63 ,F	64 ,F	85 ,F	80 ,F				
% Relative Humidity:	55	40	50	60				
Wind Velocity, Unit:	4.5 ,MPH	4 ,MPH	4 ,MPH	4 ,MPH				
Dew Presence (Y/N):	N	N	N	N				
Soil Temp., Unit:	59 ,F	58 ,F	70 ,F	68 ,F				
Soil Moisture:	GOOD	GOOD	GOOD	GOOD				
% Cloud Cover:	10	30	20	30				
Weed Species Weed Stage, Density at Application								
SETFA					3L		,4"	
CHEAL					6L		,3"	
PHBPU					3L		,4"	
AMBTR					4L		,4"	

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.33'	25	WATER	30
B. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.33'	25	WATER	30
C. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30
D. CO2	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30

MINIMUM TILL SOYBEAN EARLY PREPLANT II

Project Code:S5020  
Cooperator :

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
1	SELECT	2	EC	.031	lb ai/A	1WK	93	90	0	93	97	93	90	97	97
1	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
1	COC		L	1	qt pr/A	1WK									
1	LIQUID N		L	1	qt pr/A	1WK									
1	PURSUIT	70	DF	.063	lb ai/A	+4W									
1	COBRA	2	L	.1	lb ai/A	+4W									
1	COC		L	1	qt pr/A	+4W									
1	LIQUID N		L	1	qt pr/A	+4W									
2	SELECT	2	EC	.043	lb ai/A	1WK	93	87	0	93	97	97	77	93	97
2	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
2	COC		L	1	qt pr/A	1WK									
2	LIQUID N		L	1	qt pr/A	1WK									
2	PURSUIT	70	DF	.063	lb ai/A	+4W									
2	COBRA	2	L	.1	lb ai/A	+4W									
2	COC		L	1	qt pr/A	+4W									
2	LIQUID N		L	1	qt pr/A	+4W									
3	SELECT	2	EC	.063	lb ai/A	1WK	90	90	0	90	93	93	83	93	93
3	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
3	COC		L	1	qt pr/A	1WK									
3	LIQUID N		L	1	qt pr/A	1WK									
3	PURSUIT	70	DF	.063	lb ai/A	+4W									
3	COBRA	2	L	.1	lb ai/A	+4W									
3	COC		L	1	qt pr/A	+4W									
3	LIQUID N		L	1	qt pr/A	+4W									
4	SELECT	2	EC	.074	lb ai/A	1WK	97	90	0	97	97	97	83	97	97
4	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
4	COC		L	1	qt pr/A	1WK									
4	LIQUID N		L	1	qt pr/A	1WK									
4	PURSUIT	70	DF	.063	lb ai/A	+4W									
4	COBRA	2	L	.1	lb ai/A	+4W									
4	COC		L	1	qt pr/A	+4W									
4	LIQUID N		L	1	qt pr/A	+4W									
5	SELECT	2	EC	.094	lb ai/A	1WK	93	90	0	93	93	93	80	93	93
5	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
5	COC		L	1	qt pr/A	1WK									
5	LIQUID N		L	1	qt pr/A	1WK									
5	PURSUIT	70	DF	.063	lb ai/A	+4W									
5	COBRA	2	L	.1	lb ai/A	+4W									
5	COC		L	1	qt pr/A	+4W									
5	LIQUID N		L	1	qt pr/A	+4W									

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
6	SELECT	2	EC	.043	lb ai/A	1WK	100	93	0	100	97	97	93	97	97
6	PROWL	3.3	EC	1	lb ai/A	1WK									
6	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
6	COC		L	1	qt pr/A	1WK									
6	LIQUID N		L	1	qt pr/A	1WK									
6	PURSUIT	70	DF	.063	lb ai/A	+4W									
6	COBRA	2	L	.1	lb ai/A	+4W									
6	COC		L	1	qt pr/A	+4W									
6	LIQUID N		L	1	qt pr/A	+4W									
7	SELECT	2	EC	.063	lb ai/A	1WK	100	97	0	100	97	97	93	97	100
7	PROWL	3.3	EC	1	lb ai/A	1WK									
7	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
7	COC		L	1	qt pr/A	1WK									
7	LIQUID N		L	1	qt pr/A	1WK									
7	PURSUIT	70	DF	.063	lb ai/A	+4W									
7	COBRA	2	L	.1	lb ai/A	+4W									
7	COC		L	1	qt pr/A	+4W									
7	LIQUID N		L	1	qt pr/A	+4W									
8	SELECT	2	EC	.063	lb ai/A	1WK	100	77	0	100	93	90	77	60	80
8	COC		L	1	qt pr/A	1WK									
8	LIQUID N		L	1	qt pr/A	1WK									
8	PURSUIT	70	DF	.063	lb ai/A	+4W									
8	COBRA	2	L	.1	lb ai/A	+4W									
8	COC		L	1	qt pr/A	+4W									
8	LIQUID N		L	1	qt pr/A	+4W									
9	SELECT	2	EC	.031	lb ai/A	1WK	100	80	0	100	97	93	83	77	77
9	SENCOR 75DF	75	DF	.09	lb ai/A	1WK									
9	COC		L	1	qt pr/A	1WK									
9	LIQUID N		L	1	qt pr/A	1WK									
9	PURSUIT	70	DF	.063	lb ai/A	+4W									
9	COBRA	2	L	.1	lb ai/A	+4W									
9	COC		L	1	qt pr/A	+4W									
9	LIQUID N		L	1	qt pr/A	+4W									
10	ROUNDUP	4	L	.5	lb ai/A	1WK	93	87	0	93	90	90	77	83	90
10	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK									
10	QUEST		L	1	qt pr/A	1WK									
10	X-77			.25	% v/v	1WK									
10	PURSUIT	70	DF	.063	lb ai/A	+4W									
10	COBRA	2	L	.1	lb ai/A	+4W									
10	COC		L	1	qt pr/A	+4W									
10	LIQUID N		L	1	qt pr/A	+4W									
11	SQUADRON	2.33	EC	.87	lb ai/A	1WK	63	73	0	63	77	67	63	80	87
11	PROWL	3.3	EC	.41	lb ai/A	1WK									
11	ROUNDUP	4	L	1	lb ai/A	1WK									
11	X-77			.5	% v/v	1WK									

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
12	SQUADRON	2.33	EC	.87	lb	ai/A	1WK		67	70	0	67	67	90	60	83	80
12	PROWL	3.3	EC	.41	lb	ai/A	1WK										
12	SENCOR 75DF	75	DF	.25	lb	ai/A	1WK										
12	ROUNDUP	4	L	1	lb	ai/A	1WK										
12	X-77			.5	%	v/v	1WK										
13	DETAIL	4.1	EC	1.03	lb	ai/A	1WK		60	73	0	60	70	67	73	73	80
13	ROUNDUP	4	L	1	lb	ai/A	1WK										
13	X-77			.5	%	v/v	1WK										
14	DUAL	8	EC	2.5	lb	ai/A	1WK		77	77	0	77	80	77	77	80	83
14	SCEPTER	70	WP	.125	lb	ai/A	1WK										
14	ROUNDUP	4	L	1	lb	ai/A	1WK										
14	X-77			.5	%	v/v	1WK										
15	CANOPY	75	DF	.23	lb	ai/A	1WK		53	57	0	53	57	83	63	83	70
15	COC		L	1	lb	ai/A	1WK										
16	DUAL	8	EC	2	lb	ai/A	1WK		67	67	0	67	77	83	63	83	73
16	CANOPY	75	DF	.23	lb	ai/A	1WK										
16	ROUNDUP	4	L	1	lb	ai/A	1WK										
16	X-77			.5	%	v/v	1WK										
17	PROWL	3.3	EC	1.24	lb	ai/A	1WK		63	63	0	63	60	57	63	77	57
17	ROUNDUP	4	L	1	lb	ai/A	1WK										
17	X-77			.5	%	v/v	1WK										
18	CANOPY	75	DF	.375	lb	ai/A	1WK		97	73	0	97	87	90	70	90	90
18	WEEDONE 638	2.80	EC	.75	lb	ai/A	1WK										
18	ASSURE II	.8	EC	.055	lb	ai/A	MP										
18	COC		L	1	qt	pr/A	MP										
19	TOUCHDOWN	6	L	1	lb	ai/A	PRE		100	87	13	100	100	93	80	90	100
19	X-77			.5	%	v/v	PRE										
19	REFLEX	2	EC	.375	lb	ai/A	MP										
19	FUSION	2.66	EC	.25	lb	ai/A	MP										
19	SUNIT II		L	1	qt	pr/A	MP										
19	LIQUID N		L	2	qt	pr/A	MP										
20	TOUCHDOWN	6	L	1	lb	ai/A	PRE		100	60	10	100	100	100	80	100	100
20	WEEDONE LV4	3.8	SC	.5	lb	ai/A	PRE										
20	X-77			.5	%	v/v	PRE										
20	REFLEX	2	EC	.375	lb	ai/A	MP										
20	FUSION	2.66	EC	.25	lb	ai/A	MP										
20	SUNIT II		L	1	qt	pr/A	MP										
20	LIQUID N		L	2	qt	pr/A	MP										

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LSD (P=.05)	11.2	20.5	2.1	11.2	13.1	12.2	19.1	14.6	17.0
Standard Deviation	6.8	12.4	1.3	6.8	8.0	7.4	11.6	8.8	10.3
CV	7.97	15.74	110.66	7.97	9.24	8.46	15.15	10.24	11.86

MINIMUM TILL SOYBEAN EARLY PREPLANT II

Project Code:S5020  
Cooperator :

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
1	SELECT	2	EC	.031	lb ai/A	1WK	0	93	97	93	90	97	97
1	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
1	COC		L	1	qt pr/A	1WK							
1	LIQUID N		L	1	qt pr/A	1WK							
1	PURSUIT	70	DF	.063	lb ai/A	+4W							
1	COBRA	2	L	.1	lb ai/A	+4W							
1	COC		L	1	qt pr/A	+4W							
1	LIQUID N		L	1	qt pr/A	+4W							
2	SELECT	2	EC	.043	lb ai/A	1WK	0	93	97	97	77	93	97
2	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
2	COC		L	1	qt pr/A	1WK							
2	LIQUID N		L	1	qt pr/A	1WK							
2	PURSUIT	70	DF	.063	lb ai/A	+4W							
2	COBRA	2	L	.1	lb ai/A	+4W							
2	COC		L	1	qt pr/A	+4W							
2	LIQUID N		L	1	qt pr/A	+4W							
3	SELECT	2	EC	.063	lb ai/A	1WK	0	87	93	93	83	93	93
3	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
3	COC		L	1	qt pr/A	1WK							
3	LIQUID N		L	1	qt pr/A	1WK							
3	PURSUIT	70	DF	.063	lb ai/A	+4W							
3	COBRA	2	L	.1	lb ai/A	+4W							
3	COC		L	1	qt pr/A	+4W							
3	LIQUID N		L	1	qt pr/A	+4W							
4	SELECT	2	EC	.074	lb ai/A	1WK	0	97	97	97	83	97	97
4	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
4	COC		L	1	qt pr/A	1WK							
4	LIQUID N		L	1	qt pr/A	1WK							
4	PURSUIT	70	DF	.063	lb ai/A	+4W							
4	COBRA	2	L	.1	lb ai/A	+4W							
4	COC		L	1	qt pr/A	+4W							
4	LIQUID N		L	1	qt pr/A	+4W							
5	SELECT	2	EC	.094	lb ai/A	1WK	0	93	93	93	80	93	93
5	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
5	COC		L	1	qt pr/A	1WK							
5	LIQUID N		L	1	qt pr/A	1WK							
5	PURSUIT	70	DF	.063	lb ai/A	+4W							
5	COBRA	2	L	.1	lb ai/A	+4W							
5	COC		L	1	qt pr/A	+4W							
5	LIQUID N		L	1	qt pr/A	+4W							

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMETR
INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMETR
6	SELECT	2	EC	.043	lb ai/A	1WK	0	100	97	97	93	97	97
6	PROWL	3.3	EC	1	lb ai/A	1WK							
6	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
6	COC		L	1	qt pr/A	1WK							
6	LIQUID N		L	1	qt pr/A	1WK							
6	PURSUIT	70	DF	.063	lb ai/A	+4W							
6	COBRA	2	L	.1	lb ai/A	+4W							
6	COC		L	1	qt pr/A	+4W							
6	LIQUID N		L	1	qt pr/A	+4W							
7	SELECT	2	EC	.063	lb ai/A	1WK	0	100	97	97	93	97	100
7	PROWL	3.3	EC	1	lb ai/A	1WK							
7	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
7	COC		L	1	qt pr/A	1WK							
7	LIQUID N		L	1	qt pr/A	1WK							
7	PURSUIT	70	DF	.063	lb ai/A	+4W							
7	COBRA	2	L	.1	lb ai/A	+4W							
7	COC		L	1	qt pr/A	+4W							
7	LIQUID N		L	1	qt pr/A	+4W							
8	SELECT	2	EC	.063	lb ai/A	1WK	0	100	93	90	77	53	80
8	COC		L	1	qt pr/A	1WK							
8	LIQUID N		L	1	qt pr/A	1WK							
8	PURSUIT	70	DF	.063	lb ai/A	+4W							
8	COBRA	2	L	.1	lb ai/A	+4W							
8	COC		L	1	qt pr/A	+4W							
8	LIQUID N		L	1	qt pr/A	+4W							
9	SELECT	2	EC	.031	lb ai/A	1WK	0	100	97	93	83	73	70
9	SENCOR 75DF	75	DF	.09	lb ai/A	1WK							
9	COC		L	1	qt pr/A	1WK							
9	LIQUID N		L	1	qt pr/A	1WK							
9	PURSUIT	70	DF	.063	lb ai/A	+4W							
9	COBRA	2	L	.1	lb ai/A	+4W							
9	COC		L	1	qt pr/A	+4W							
9	LIQUID N		L	1	qt pr/A	+4W							
10	ROUNDUP	4	L	.5	lb ai/A	1WK	0	87	90	90	77	83	90
10	WEEDONE 638	2.80	EC	.5	lb ai/A	1WK							
10	QUEST		L	1	qt pr/A	1WK							
10	X-77			.25	% v/v	1WK							
10	PURSUIT	70	DF	.063	lb ai/A	+4W							
10	COBRA	2	L	.1	lb ai/A	+4W							
10	COC		L	1	qt pr/A	+4W							
10	LIQUID N		L	1	qt pr/A	+4W							
11	SQUADRON	2.33	EC	.87	lb ai/A	1WK	0	60	77	67	63	80	87
11	PROWL	3.3	EC	.41	lb ai/A	1WK							
11	ROUNDUP	4	L	1	lb ai/A	1WK							
11	X-77			.5	% v/v	1WK							

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Dept. of Agronomy, Univ. of KY  
Weed Science Field ResearchWeed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P
0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Rate	Unit	Grow Stg	GLYMA	SETFA	AMBEL	POLPY	PHBPU	CHEAL	AMBTR
12	SQUADRON	2.33	EC	.87	lb ai/A	1WK		0	67	67	90	60	83	80
12	PROWL	3.3	EC	.41	lb ai/A	1WK								
12	SENCOR 75DF	75	DF	.25	lb ai/A	1WK								
12	ROUNDUP	4	L	1	lb ai/A	1WK								
12	X-77			.5	% v/v	1WK								
13	DETAIL	4.1	EC	1.03	lb ai/A	1WK		0	60	70	67	73	73	80
13	ROUNDUP	4	L	1	lb ai/A	1WK								
13	X-77			.5	% v/v	1WK								
14	DUAL	8	EC	2.5	lb ai/A	1WK		0	77	80	77	77	80	80
14	SCEPTER	70	WP	.125	lb ai/A	1WK								
14	ROUNDUP	4	L	1	lb ai/A	1WK								
14	X-77			.5	% v/v	1WK								
15	CANOPY	75	DF	.23	lb ai/A	1WK		0	53	57	83	63	83	70
15	COC		L	1	lb ai/A	1WK								
16	DUAL	8	EC	2	lb ai/A	1WK		0	57	77	83	63	83	73
16	CANOPY	75	DF	.23	lb ai/A	1WK								
16	ROUNDUP	4	L	1	lb ai/A	1WK								
16	X-77			.5	% v/v	1WK								
17	PROWL	3.3	EC	1.24	lb ai/A	1WK		0	63	60	57	63	77	57
17	ROUNDUP	4	L	1	lb ai/A	1WK								
17	X-77			.5	% v/v	1WK								
18	CANOPY	75	DF	.375	lb ai/A	1WK		0	97	87	83	70	90	90
18	WEEDONE 638	2.80	EC	.75	lb ai/A	1WK								
18	ASSURE II	.8	EC	.055	lb ai/A	MP								
18	COC		L	1	qt pr/A	MP								
19	TOUCHDOWN	6	L	1	lb ai/A	PRE		0	100	100	93	80	90	100
19	X-77			.5	% v/v	PRE								
19	REFLEX	2	EC	.375	lb ai/A	MP								
19	FUSION	2.66	EC	.25	lb ai/A	MP								
19	SUNIT II		L	1	qt pr/A	MP								
19	LIQUID N		L	2	qt pr/A	MP								
20	TOUCHDOWN	6	L	1	lb ai/A	PRE		0	100	100	100	80	100	100
20	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE								
20	X-77			.5	% v/v	PRE								
20	REFLEX	2	EC	.375	lb ai/A	MP								
20	FUSION	2.66	EC	.25	lb ai/A	MP								
20	SUNIT II		L	1	qt pr/A	MP								
20	LIQUID N		L	2	qt pr/A	MP								

LSD (P=.05)  
Standard Deviation  
CV

0.0	12.9	13.1	12.1	19.1	13.8	17.5
0.0	7.8	8.0	7.4	11.6	8.4	10.6
.	9.28	9.24	8.46	15.15	9.76	12.27

26-9-95 (S5020)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description Page 1 of 1

MINIMUM TILL SOYBEAN EARLY PREPLANT II

Project Code: S5020  
Cooperator :

Location : LEXINGTON  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 24-5-94  
Planting Method: DRILLED Rate, Unit: 4 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 8 , IN  
Soil Temp., Unit: 70 , F Soil Moisture: GOOD Emergence Date: 31-5-95  
Plot Width/Area, Unit: 6.33 , FT Plot Length, Unit: 30 , FT Reps: 3  
Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 4.1 % Sand: 6.3 % Silt: 64.7 % Clay: 28.9  
pH: 6 CEC: 24.9 Soil Name: LANTON Fertility Level: GOOD

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

	A	B	C	D	E	F
Application Date:	3-5-95	24-5-95	4-6-95			
Time of Day:	11 AM	3 PM	3 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	1WK	PRE	MP & +4WK			
Air Temp., Unit:	61 ,F	85 ,F	80 ,F			
% Relative Humidity:	40	50	60			
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	3 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	58 ,F	70 ,F	75 ,F			
Soil Moisture:	GOOD	GOOD	GOOD			
% Cloud Cover:	30	20	30			
Weed Species	Weed Stage, Density at Application					
SETFA	2L ,2"	4L ,6"	3L ,3"			
PHBPU	1L ,2"	3L ,3"	2L ,4"			
XANST	2L ,2"	3L ,3"	4L ,4"			

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.33'	25	WATER	30
B. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30
C. CO2	4	FLAT FAN	8004	19"	19"	6.3'	25	WATER	30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL SOYBEAN FULL SEASON

Project Code:S5021  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	Decimals Printed	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY CONTROL PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT
							4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0	4 WEEK P 0

Trt No	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY CONTROL PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT
1	DUAL	8	EC	2	lb ai/A	PRE	87	73	0	87	100	100	63	87
1	CANOPY	75	DF	.375	lb ai/A	PRE								
1	ROUNDUP	4	L	1	lb ai/A	PRE								
1	X-77			.5	% v/v	PRE								
2	DUAL	8	EC	2	lb ai/A	PRE	93	70	0	93	80	87	60	77
2	SCEPTER	70	DF	.125	lb ai/A	PRE								
2	ROUNDUP	4	L	1	lb ai/A	PRE								
2	X-77			.5	% v/v	PRE								
3	BROADSTRIKE SF + DUA	7.75	SC	1.69	lb ai/A	PRE	80	47	0	80	93	100	30	60
3	ROUNDUP	4	L	1	lb ai/A	PRE								
3	X-77			.5	% v/v	PRE								
4	BROADSTRIKE SF + DUA	7.75	SC	1.93	lb ai/A	PRE	80	57	0	80	100	90	40	67
4	ROUNDUP	4	L	1	lb ai/A	PRE								
4	X-77			.5	% v/v	PRE								
5	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	80	60	0	80	90	90	47	87
5	ROUNDUP	4	L	1	lb ai/A	PRE								
5	X-77			.5	% v/v	PRE								
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	80	63	0	80	97	93	50	90
6	ROUNDUP	4	L	1	lb ai/A	PRE								
6	X-77			.5	% v/v	PRE								
7	DUAL	8	EC	2	lb ai/A	PRE	80	50	0	80	80	87	40	50
7	ROUNDUP	4	L	1	lb ai/A	PRE								
7	X-77			.5	% v/v	PRE								
8	ROUNDUP	4	L	1	lb ai/A	PRE	0	0	0	0	0	0	0	0
8	X-77			.5	% v/v	PRE								
9	AUTHORITY	75	DF	.3125	lb ai/A	PRE	87	67	0	87	97	73	73	50
9	DUAL	8	EC	2	lb ai/A	PRE								
9	ROUNDUP	4	L	1	lb ai/A	PRE								
9	X-77			.5	% v/v	PRE								
10	AUTHORITY	75	DF	.375	lb ai/A	PRE	90	67	0	90	100	57	70	27
10	DUAL	8	EC	2	lb ai/A	PRE								
10	ROUNDUP	4	L	1	lb ai/A	PRE								
10	X-77			.5	% v/v	PRE								

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT
11	AUTHORITY	75	DF	.375	lb	ai/A	PRE		97	70	0	97	100	90	57	83
11	COMMAND	4	EC	.75	lb	ai/A	PRE									
11	ROUNDUP	4	L	1	lb	ai/A	PRE									
11	X-77			.5	†	v/v	PRE									
12	SQUADRON	2.33	EC	.87	lb	ai/A	PRE		93	67	0	93	90	93	40	100
12	PROWL	3.3	EC	.41	lb	ai/A	PRE									
12	ROUNDUP	4	L	1	lb	ai/A	PRE									
12	X-77			.5	†	v/v	PRE									
13	PROWL	3.3	EC	1.25	lb	ai/A	PRE		73	43	0	73	87	67	43	37
13	ROUNDUP	4	L	1	lb	ai/A	PRE									
13	X-77			.5	†	v/v	PRE									
14	SCEPTER	70	DF	.125	lb	ai/A	PRE		90	80	0	90	93	97	77	93
14	ROUNDUP	4	L	1	lb	ai/A	PRE									
14	X-77			.5	†	v/v	PRE									
15	DETAIL	4.1	EC	1.03	lb	ai/A	PRE		90	77	0	90	97	100	67	93
15	ROUNDUP	4	L	1	lb	ai/A	PRE									
15	X-77			.5	†	v/v	PRE									
16	ROUNDUP	4	L	1	lb	ai/A	PRE		93	83	0	93	93	100	67	93
16	X-77			.5	†	v/v	PRE									
16	PURSUIT	70	DF	.063	lb	ai/A	EP									
16	SUNIT II		L	.75	qt	pr/A	EP									
16	LIQUID N		L	1	qt	pr/A	EP									
17	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE		100	80	3	100	97	100	70	93
17	WEEDONE LV4	3.8	SC	.5	lb	ai/A	PRE									
17	X-77			.25	lb	ai/A	PRE									
17	REFLEX	2	EC	.375	lb	ai/A	MP									
17	FUSION	2.66	EC	.166	lb	ai/A	MP									
17	SUNIT II		L	1	qt	pr/A	MP									
17	LIQUID N		L	2.5	qt	pr/A	MP									
18	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE		100	80	0	100	93	100	73	100
18	SENCOR	75	DF	.063	lb	ai/A	PRE									
18	X-77			.25	†	v/v	PRE									
18	REFLEX	2	EC	.375	lb	ai/A	MP									
18	FUSION	2.66	EC	.166	lb	ai/A	MP									
18	SUNIT II		L	1	qt	pr/A	MP									
18	LIQUID N		L	2.5	qt	pr/A	MP									

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt Treatment No Name	Form Fm Amt Ds	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT
19 GRAMOXONE EXTRA	2.5 L	.625	lb ai/A	PRE	100	80	0	100	93	100	83	93
19 CANOPY	75 DF	.094	lb ai/A	PRE								
19 X-77		.25	% v/v	PRE								
19 REFLEX	2 EC	.375	lb ai/A	MP								
19 FUSION	2.66 EC	.166	lb ai/A	MP								
19 SUNIT II	L	1	qt pr/A	MP								
19 LIQUID N	L	2.5	qt pr/A	MP								
20 TOUCHDOWN	6 L	1	lb ai/A	PRE	100	80	0	100	100	100	73	100
20 WEEDONE LV4	3.8 SC	.5	lb ai/A	PRE								
20 X-77		.5	% v/v	PRE								
20 REFLEX	2 EC	.375	lb ai/A	MP								
20 FUSION	2.66 EC	.166	lb ai/A	MP								
20 SUNIT II	L	1	qt pr/A	MP								
20 LIQUID N	L	2.5	qt pr/A	MP								
21 TOUCHDOWN	6 L	1	lb ai/A	PRE	100	77	0	100	87	100	73	100
21 X-77		.5	% v/v	PRE								
21 REFLEX	2 EC	.375	lb ai/A	MP								
21 FUSION	2.66 EC	.166	lb ai/A	MP								
21 SUNIT II	L	1	qt pr/A	MP								
21 LIQUID N	L	2.5	qt pr/A	MP								
22 FUSION	2.66 EC	.083	lb ai/A	PRE	100	77	0	100	100	100	63	100
22 WEEDONE LV4	3.8 SC	.5	lb ai/A	PRE								
22 SUNIT II	L	1	qt pr/A	PRE								
22 REFLEX	2 EC	.375	lb ai/A	MP								
22 FUSION	2.66 EC	.166	lb ai/A	MP								
22 SUNIT II	L	1	qt pr/A	MP								
22 LIQUID N	L	2.5	qt pr/A	MP								
23 FRONTIER	7.5 EC	1.2	lb ai/A	PRE	83	63	0	83	90	100	60	70
23 CANOPY	75 DF	.28	lb ai/A	PRE								
23 ROUNDUP	4 L	1	lb ai/A	PRE								
23 X-77		.5	% v/v	PRE								
24 FRONTIER	7.5 EC	1.2	lb ai/A	PRE	93	73	0	93	77	93	70	93
24 SCEPTER	70 DF	.125	lb ai/A	PRE								
24 ROUNDUP	4 L	1	lb ai/A	PRE								
24 X-77		.5	% v/v	PRE								
25 FRONTIER	7.5 EC	1.2	lb ai/A	PRE	100	73	0	100	90	90	63	67
25 PURSUIT	70 DF	.063	lb ai/A	PRE								
25 ROUNDUP	4 L	1	lb ai/A	PRE								
25 X-77		.5	% v/v	PRE								

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt Treatment No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
26	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	80	30	0	80	93	87	33	67
26	ROUNDUP	4	L	1	lb ai/A	PRE								
26	X-77			.5	% v/v	PRE								
26	PURSUIT	70	DF	.063	lb ai/A	3TR								
26	SUNIT II		L	.75	qt pr/A	3TR								
26	LIQUID N		L	1	qt pr/A	3TR								
27	DETAIL	4.1	EC	1.03	lb ai/A	PRE	97	70	0	97	97	100	53	100
27	FRONTIER	7.5	EC	.25	lb ai/A	PRE								
27	ROUNDUP	4	L	1	lb ai/A	PRE								
27	X-77			.5	% v/v	PRE								
LSD (P=.05)							11.2	18.0	1.8	11.2	15.5	18.9	32.0	40.4
Standard Deviation							6.8	11.0	1.1	6.8	9.5	11.6	19.6	24.7
CV							7.86	16.96	900.0	7.86	10.6	13.05	34.38	32.17

NO-TILL SOYBEAN FULL SEASON

Project Code:S5021  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Grow	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST	
No	Name	Amt	Ds	Rate	Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
1	DUAL	8	EC	2	lb ai/A	PRE	0	87	100	100	50	100
1	CANOPY	75	DF	.375	lb ai/A	PRE						
1	ROUNDUP	4	L	1	lb ai/A	PRE						
1	X-77			.5	% v/v	PRE						
2	DUAL	8	EC	2	lb ai/A	PRE	0	93	93	100	50	100
2	SCEPTER	70	DF	.125	lb ai/A	PRE						
2	ROUNDUP	4	L	1	lb ai/A	PRE						
2	X-77			.5	% v/v	PRE						
3	BROADSTRIKE SF + DUA	7.75	SC	1.69	lb ai/A	PRE	0	77	97	97	50	80
3	ROUNDUP	4	L	1	lb ai/A	PRE						
3	X-77			.5	% v/v	PRE						
4	BROADSTRIKE SF + DUA	7.75	SC	1.93	lb ai/A	PRE	0	80	100	100	50	83
4	ROUNDUP	4	L	1	lb ai/A	PRE						
4	X-77			.5	% v/v	PRE						
5	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	0	80	93	100	50	83
5	ROUNDUP	4	L	1	lb ai/A	PRE						
5	X-77			.5	% v/v	PRE						
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	0	80	90	100	50	100
6	ROUNDUP	4	L	1	lb ai/A	PRE						
6	X-77			.5	% v/v	PRE						
7	DUAL	8	EC	2	lb ai/A	PRE	0	87	83	83	50	43
7	ROUNDUP	4	L	1	lb ai/A	PRE						
7	X-77			.5	% v/v	PRE						
8	ROUNDUP	4	L	1	lb ai/A	PRE	0	43	63	87	50	80
8	X-77			.5	% v/v	PRE						
9	AUTHORITY	75	DF	.3125	lb ai/A	PRE	0	90	90	70	50	53
9	DUAL	8	EC	2	lb ai/A	PRE						
9	ROUNDUP	4	L	1	lb ai/A	PRE						
9	X-77			.5	% v/v	PRE						
10	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	90	100	80	50	70
10	DUAL	8	EC	2	lb ai/A	PRE						
10	ROUNDUP	4	L	1	lb ai/A	PRE						
10	X-77			.5	% v/v	PRE						

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Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT
11	AUTHORITY	75	DF	.375	lb	ai/A	PRE		0	97	100	100	50	83
11	COMMAND	4	EC	.75	lb	ai/A	PRE							
11	ROUNDUP	4	L	1	lb	ai/A	PRE							
11	X-77			.5	%	v/v	PRE							
12	SQUADRON	2.33	EC	.87	lb	ai/A	PRE		0	97	100	100	50	100
12	PROWL	3.3	EC	.41	lb	ai/A	PRE							
12	ROUNDUP	4	L	1	lb	ai/A	PRE							
12	X-77			.5	%	v/v	PRE							
13	PROWL	3.3	EC	1.25	lb	ai/A	PRE		0	77	97	93	50	50
13	ROUNDUP	4	L	1	lb	ai/A	PRE							
13	X-77			.5	%	v/v	PRE							
14	SCEPTER	70	DF	.125	lb	ai/A	PRE		0	100	90	97	50	100
14	ROUNDUP	4	L	1	lb	ai/A	PRE							
14	X-77			.5	%	v/v	PRE							
15	DETAIL	4.1	EC	1.03	lb	ai/A	PRE		0	100	93	100	50	100
15	ROUNDUP	4	L	1	lb	ai/A	PRE							
15	X-77			.5	%	v/v	PRE							
16	ROUNDUP	4	L	1	lb	ai/A	PRE		0	100	100	100	50	100
16	X-77			.5	%	v/v	PRE							
16	PURSUIT	70	DF	.063	lb	ai/A	EP							
16	SUNIT II		L	.75	qt	pr/A	EP							
16	LIQUID N		L	1	qt	pr/A	EP							
17	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE		0	100	100	100	50	100
17	WEEDONE LV4	3.8	SC	.5	lb	ai/A	PRE							
17	X-77			.25	lb	ai/A	PRE							
17	REFLEX	2	EC	.375	lb	ai/A	MP							
17	FUSION	2.66	EC	.166	lb	ai/A	MP							
17	SUNIT II		L	1	qt	pr/A	MP							
17	LIQUID N		L	2.5	qt	pr/A	MP							
18	GRAMOXONE EXTRA	2.5	L	.625	lb	ai/A	PRE		0	100	97	100	50	100
18	SENCOR	75	DF	.063	lb	ai/A	PRE							
18	X-77			.25	%	v/v	PRE							
18	REFLEX	2	EC	.375	lb	ai/A	MP							
18	FUSION	2.66	EC	.166	lb	ai/A	MP							
18	SUNIT II		L	1	qt	pr/A	MP							
18	LIQUID N		L	2.5	qt	pr/A	MP							



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Rating Date  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P
0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg						
19	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE		0	97	100	100	50	100
19	CANOPY	75	DF	.094	lb ai/A	PRE							
19	X-77			.25	% v/v	PRE							
19	REFLEX	2	EC	.375	lb ai/A	MP							
19	FUSION	2.66	EC	.166	lb ai/A	MP							
19	SUNIT II		L	1	qt pr/A	MP							
19	LIQUID N		L	2.5	qt pr/A	MP							
20	TOUCHDOWN	6	L	1	lb ai/A	PRE		0	100	100	100	50	100
20	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE							
20	X-77			.5	% v/v	PRE							
20	REFLEX	2	EC	.375	lb ai/A	MP							
20	FUSION	2.66	EC	.166	lb ai/A	MP							
20	SUNIT II		L	1	qt pr/A	MP							
20	LIQUID N		L	2.5	qt pr/A	MP							
21	TOUCHDOWN	6	L	1	lb ai/A	PRE		0	100	100	100	50	100
21	X-77			.5	% v/v	PRE							
21	REFLEX	2	EC	.375	lb ai/A	MP							
21	FUSION	2.66	EC	.166	lb ai/A	MP							
21	SUNIT II		L	1	qt pr/A	MP							
21	LIQUID N		L	2.5	qt pr/A	MP							
22	FUSION	2.66	EC	.083	lb ai/A	PRE		0	100	97	100	50	100
22	WEEDONE LV4	3.8	SC	.5	lb ai/A	PRE							
22	SUNIT II		L	1	qt pr/A	PRE							
22	REFLEX	2	EC	.375	lb ai/A	MP							
22	FUSION	2.66	EC	.166	lb ai/A	MP							
22	SUNIT II		L	1	qt pr/A	MP							
22	LIQUID N		L	2.5	qt pr/A	MP							
23	FRONTIER	7.5	EC	1.2	lb ai/A	PRE		0	83	100	100	50	90
23	CANOPY	75	DF	.28	lb ai/A	PRE							
23	ROUNDUP	4	L	1	lb ai/A	PRE							
23	X-77			.5	% v/v	PRE							
24	FRONTIER	7.5	EC	1.2	lb ai/A	PRE		0	100	100	100	50	100
24	SCEPTER	70	DF	.125	lb ai/A	PRE							
24	ROUNDUP	4	L	1	lb ai/A	PRE							
24	X-77			.5	% v/v	PRE							
25	FRONTIER	7.5	EC	1.2	lb ai/A	PRE		0	100	100	100	50	90
25	PURSUIT	70	DF	.063	lb ai/A	PRE							
25	ROUNDUP	4	L	1	lb ai/A	PRE							
25	X-77			.5	% v/v	PRE							

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBEL	PHBPU	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	CHEAL CONTROL PERCENT	AMBEL CONTROL PERCENT	PHBPU CONTROL PERCENT	XANST CONTROL PERCENT
26	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	0	100	93	100	50	100
26	ROUNDUP	4	L	1	lb ai/A	PRE						
26	X-77			.5	% v/v	PRE						
26	PURSUIT	70	DF	.063	lb ai/A	3TR						
26	SUNIT II		L	.75	qt pr/A	3TR						
26	LIQUID N		L	1	qt pr/A	3TR						
27	DETAIL	4.1	EC	1.03	lb ai/A	PRE	0	97	100	100	50	100
27	FRONTIER	7.5	EC	.25	lb ai/A	PRE						
27	ROUNDUP	4	L	1	lb ai/A	PRE						
27	X-77			.5	% v/v	PRE						
LSD (P=.05)							0.0	10.3	20.1	11.6	0.0	24.8
Standard Deviation							0.0	6.3	12.3	7.1	0.0	15.2
CV							.	6.92	12.9	7.34	0.0	17.05

19-9-95 (S5021)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

NO-TILL SOYBEAN FULL SEASON

Project Code: S5021

Location : LEXINGTON, KY.

Cooperator :

By: C. H. SLACK

Site Description

Crop: SOYBEAN	Variety: FLYER	Planting Date: 24-5-95
Planting Method: DRILLED	Rate, Unit: 4 , FT	Depth, Unit: 1.5 , IN
	Row Spacing, Unit: 8 , IN	
Soil Temp., Unit: 70 , F	Soil Moisture: GOOD	Emergence Date: 31-5-95
Plot Width/Area, Unit: 5 , FT	Plot Length, Unit: 30 , FT	Reps: 3
	Study Design: RCB	

Soil Description

Texture: SILT LOAM	% OM: 4.1	% Sand: 6.3	% Silt: 64.7	% Clay: 28.9
pH: 6	CEC: 24.9	Soil Name: LANTON	Fertility Level: MEDIUM	

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	24-5-95	7-6-95	8-6-95			
Time of Day:	3:30 PM	2 PM	4 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EP	MP			
Air Temp., Unit:	85 , F	82 , F	79 , F			
% Relative Humidity:	70	60	65			
Wind Velocity, Unit:	3 , MPH	3 , MPH	3 , MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	72 , F	75 , F	75 , F			
Soil Moisture:	GOOD	GOOD	GOOD			
% Cloud Cover:	30	20	10			

Weed Species Weed Stage, Density at Application

SETFA	3L , 2"	4L , 4"
CHEAL	6L , 2"	6L , 3"
PHBPU	2L , 2"	4L , 3"
XANST	4L , 2"	5L , 4"

Application Equipment

	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A. C02	4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. C02		4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. C02		4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG CONTROL PERCENT 4 WEEK P 0	BBBB CONTROL PERCENT 4 WEEK P 0	GLYMA INJURY PERCENT 4 WEEK P 0	SETFA CONTROL PERCENT 4 WEEK P 0	CHEAL CONTROL PERCENT 4 WEEK P 0	AMBEL CONTROL PERCENT 4 WEEK P 0	POLPY CONTROL PERCENT 4 WEEK P 0	PHBPU CONTROL PERCENT 4 WEEK P 0	SOLPT CONTROL PERCENT 4 WEEK P 0	AMBTR CONTROL PERCENT 4 WEEK P 0
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Trt Treatment No Name	Form Fm Amt Ds Rate	Rate Unit	Grow Stg	GGGG CONTROL PERCENT 4 WEEK P 0	BBBB CONTROL PERCENT 4 WEEK P 0	GLYMA INJURY PERCENT 4 WEEK P 0	SETFA CONTROL PERCENT 4 WEEK P 0	CHEAL CONTROL PERCENT 4 WEEK P 0	AMBEL CONTROL PERCENT 4 WEEK P 0	POLPY CONTROL PERCENT 4 WEEK P 0	PHBPU CONTROL PERCENT 4 WEEK P 0	SOLPT CONTROL PERCENT 4 WEEK P 0	AMBTR CONTROL PERCENT 4 WEEK P 0
12 SQUADRON	2.33 EC	.87 lb ai/A	PRE	87	70	3	87	83	80	77	67	83	67
12 PROWL	3.3 EC	.41 lb ai/A	PRE										
12 ROUNDUP	4 L	1 lb ai/A	PRE										
12 X-77		.5 % v/v	PRE										
13 PROWL	3.3 EC	1.25 lb ai/A	PRE	53	37	0	53	57	40	40	60	50	27
13 ROUNDUP	4 L	1 lb ai/A	PRE										
13 X-77		.5 % v/v	PRE										
14 SCEPTER	70 DF	.125 lb ai/A	PRE	77	57	0	77	63	60	67	50	60	63
14 ROUNDUP	4 L	1 lb ai/A	PRE										
14 X-77		.5 % v/v	PRE										
15 DETAIL	4.1 EC	1.03 lb ai/A	PRE	83	73	0	83	73	77	80	73	90	60
15 ROUNDUP	4 L	1 lb ai/A	PRE										
15 X-77		.5 % v/v	PRE										
16 ROUNDUP	4 L	1 lb ai/A	PRE	97	83	0	97	83	83	87	77	90	100
16 X-77		.5 % v/v	PRE										
16 PURSUIT	70 DF	.063 lb ai/A	EP										
16 SUNIT II	L	.75 qt pr/A	EP										
16 LIQUID N	L	1 qt pr/A	EP										
17 GRAMOXONE EXTRA	2.5 L	.625 lb ai/A	PRE	87	83	10	87	87	100	70	67	93	100
17 WEEDONE LV4	4 SC	.5 lb ai/A	PRE										
17 X-77		.25 lb ai/A	PRE										
17 REFLEX	2 EC	.375 lb ai/A	MP										
17 FUSION	2.66 EC	.166 lb ai/A	MP										
17 SUNIT II	L	1 qt pr/A	MP										
17 LIQUID N	L	2.5 qt pr/A	MP										
18 GRAMOXONE EXTRA	2.5 L	.625 lb ai/A	PRE	93	87	10	93	70	100	80	83	97	100
18 SENCOR	75 DF	.063 lb ai/A	PRE										
18 X-77		.25 % v/v	PRE										
18 REFLEX	2 EC	.375 lb ai/A	MP										
18 FUSION	2.66 EC	.166 lb ai/A	MP										
18 SUNIT II	L	1 qt pr/A	MP										
18 LIQUID N	L	2.5 qt pr/A	MP										
19 GRAMOXONE EXTRA	2.5 L	.625 lb ai/A	PRE	93	83	10	93	70	100	83	80	93	100
19 CANOPY	75 DF	.094 lb ai/A	PRE										
19 X-77		.25 % v/v	PRE										
19 REFLEX	2 EC	.375 lb ai/A	MP										
19 FUSION	2.66 EC	.166 lb ai/A	MP										
19 SUNIT II	L	1 qt pr/A	MP										
19 LIQUID N	L	2.5 qt pr/A	MP										

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
20	TOUCHDOWN	6	L	1	lb ai/A	PRE	100	90	10	100	100	100	100	77	100	100
20	WEEDONE LV4	4	SC	.5	lb ai/A	PRE										
20	X-77			.5	% v/v	PRE										
20	REFLEX	2	EC	.375	lb ai/A	MP										
20	FUSION	2.66	EC	.166	lb ai/A	MP										
20	SUNIT II		L	1	qt pr/A	MP										
20	LIQUID N		L	2.5	qt pr/A	MP										
21	TOUCHDOWN	6	L	1	lb ai/A	PRE	97	90	10	97	80	100	97	83	100	100
21	X-77			.5	% v/v	PRE										
21	REFLEX	2	EC	.375	lb ai/A	MP										
21	FUSION	2.66	EC	.166	lb ai/A	MP										
21	SUNIT II		L	1	qt pr/A	MP										
21	LIQUID N		L	2.5	qt pr/A	MP										
22	FUSION	2.66	EC	.083	lb ai/A	PRE	87	83	10	87	93	97	87	70	83	100
22	WEEDONE LV4	4	SC	.5	lb ai/A	PRE										
22	SUNIT II		L	1	qt pr/A	PRE										
22	REFLEX	2	EC	.375	lb ai/A	MP										
22	FUSION	2.66	EC	.166	lb ai/A	MP										
22	SUNIT II		L	1	qt pr/A	MP										
22	LIQUID N		L	2.5	qt pr/A	MP										
23	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	80	70	0	80	80	80	87	63	60	57
23	CANOPY	75	DF	.28	lb ai/A	PRE										
23	ROUNDUP	4	L	1	lb ai/A	PRE										
23	X-77			.5	% v/v	PRE										
24	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	83	67	0	83	60	70	83	77	70	70
24	SCEPTER	70	DF	.125	lb ai/A	PRE										
24	ROUNDUP	4	L	1	lb ai/A	PRE										
24	X-77			.5	% v/v	PRE										
25	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	90	67	0	90	73	60	77	73	80	50
25	PURSUIT	70	DF	.063	lb ai/A	PRE										
25	ROUNDUP	4	L	1	lb ai/A	PRE										
25	X-77			.5	% v/v	PRE										
26	FRONTIER	7.5	EC	1.2	lb ai/A	PRE	67	53	13	67	70	50	53	53	67	67
26	ROUNDUP	4	L	1	lb ai/A	PRE										
26	X-77			.5	% v/v	PRE										
26	PURSUIT	70	DF	.063	lb ai/A	3TR										
26	SUNIT II		L	.75	qt pr/A	3TR										
26	LIQUID N		L	1	qt pr/A	3TR										
27	DETAIL	4.1	EC	1.03	lb ai/A	PRE	80	70	0	83	60	77	83	63	77	83
27	FRONTIER	7.5	EC	.25	lb ai/A	PRE										
27	ROUNDUP	4	L	1	lb ai/A	PRE										
27	X-77			.5	% v/v	PRE										

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

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Trt Treatment	Form Fm	Rate	Grow							
No Name	Amt Ds	Rate	Unit	Stg						

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LSD (P=.05)	15.0	17.4	5.2	15.0	25.0	21.8	25.2	17.4	28.2	43.5
Standard Deviation	9.2	10.6	3.2	9.2	15.3	13.3	15.4	10.6	17.2	26.7
CV	11.46	15.68	112.52	11.38	20.25	18.6	21.4	15.51	22.86	38.16

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

MINIMUM TILL SOYBEAN FULL SEASON

Project Code: S5022  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow								
No	Name	Amt	Ds	Rate	Unit	Stg								
1	DUAL	8	EC	2	lb ai/A	PRE	0	83	90	83	93	80	80	83
1	CANOPY	75	DF	.375	lb ai/A	PRE								
1	ROUNDUP	4	L	1	lb ai/A	PRE								
1	X-77			.5	% v/v	PRE								
2	DUAL	8	EC	2	lb ai/A	PRE	0	90	83	77	80	70	93	73
2	SCEPTER	70	DF	.125	lb ai/A	PRE								
2	ROUNDUP	4	L	1	lb ai/A	PRE								
2	X-77			.5	% v/v	PRE								
3	BROADSTRIKE SF + DUA	7.75	SC	1.69	lb ai/A	PRE	0	77	87	53	87	60	90	47
3	ROUNDUP	4	L	1	lb ai/A	PRE								
3	X-77			.5	% v/v	PRE								
4	BROADSTRIKE SF + DUA	7.75	SC	1.93	lb ai/A	PRE	0	73	87	67	87	67	90	100
4	ROUNDUP	4	L	1	lb ai/A	PRE								
4	X-77			.5	% v/v	PRE								
5	BROADSTRIKE SF + DUA	7.75	SC	2.17	lb ai/A	PRE	0	63	90	53	73	63	60	53
5	ROUNDUP	4	L	1	lb ai/A	PRE								
5	X-77			.5	% v/v	PRE								
6	BROADSTRIKE + DUAL	7.67	SC	2.40	lb ai/A	PRE	0	77	87	60	83	77	90	90
6	ROUNDUP	4	L	1	lb ai/A	PRE								
6	X-77			.5	% v/v	PRE								
7	DUAL	8	EC	2	lb ai/A	PRE	0	70	73	37	60	50	90	23
7	ROUNDUP	4	L	1	lb ai/A	PRE								
7	X-77			.5	% v/v	PRE								
8	ROUNDUP	4	L	1	lb ai/A	PRE	0	30	70	60	60	57	87	13
8	X-77			.5	% v/v	PRE								
9	AUTHORITY	75	DF	.3125	lb ai/A	PRE	0	73	87	30	60	80	90	10
9	DUAL	8	EC	2	lb ai/A	PRE								
9	ROUNDUP	4	L	1	lb ai/A	PRE								
9	X-77			.5	% v/v	PRE								
10	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	80	90	27	73	63	90	40
10	DUAL	8	EC	2	lb ai/A	PRE								
10	ROUNDUP	4	L	1	lb ai/A	PRE								
10	X-77			.5	% v/v	PRE								
11	AUTHORITY	75	DF	.375	lb ai/A	PRE	0	90	87	87	90	77	97	17
11	COMMAND	4	EC	.75	lb ai/A	PRE								
11	ROUNDUP	4	L	1	lb ai/A	PRE								
11	X-77			.5	% v/v	PRE								

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Weed Science Field Research

Weed/Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
PRM Data Type  
Decimals Printed

GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
12	SQUADRON	2.33	EC	.41	lb ai/A	PRE	0	83	90	80	80	77	93	60
12	PROWL	3.3	EC	.41	lb ai/A	PRE								
12	ROUNDUP	4	L	1	lb ai/A	PRE								
12	X-77			.5	% v/v	PRE								
13	PROWL	3.3	EC	1.25	lb ai/A	PRE	0	53	83	33	63	57	83	20
13	ROUNDUP	4	L	1	lb ai/A	PRE								
13	X-77			.5	% v/v	PRE								
14	SCEPTER	70	DF	.125	lb ai/A	PRE	0	83	80	63	77	57	90	43
14	ROUNDUP	4	L	1	lb ai/A	PRE								
14	X-77			.5	% v/v	PRE								
15	DETAIL	4.1	EC	1.03	lb ai/A	PRE	0	87	87	87	80	63	90	47
15	ROUNDUP	4	L	1	lb ai/A	PRE								
15	X-77			.5	% v/v	PRE								
16	ROUNDUP	4	L	1	lb ai/A	PRE	0	97	90	87	90	73	97	100
16	X-77			.5	% v/v	PRE								
16	PURSUIT	70	DF	.063	lb ai/A	EP								
16	SUNIT II		L	.75	qt pr/A	EP								
16	LIQUID N		L	1	qt pr/A	EP								
17	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE	0	87	83	100	87	67	97	100
17	WEEDONE LV4	4	SC	.5	lb ai/A	PRE								
17	X-77			.25	lb ai/A	PRE								
17	REFLEX	2	EC	.375	lb ai/A	MP								
17	FUSION	2.66	EC	.166	lb ai/A	MP								
17	SUNIT II		L	1	qt pr/A	MP								
17	LIQUID N		L	2.5	qt pr/A	MP								
18	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE	0	90	80	100	87	83	97	100
18	SENCOR	75	DF	.063	lb ai/A	PRE								
18	X-77			.25	% v/v	PRE								
18	REFLEX	2	EC	.375	lb ai/A	MP								
18	FUSION	2.66	EC	.166	lb ai/A	MP								
18	SUNIT II		L	1	qt pr/A	MP								
18	LIQUID N		L	2.5	qt pr/A	MP								
19	GRAMOXONE EXTRA	2.5	L	.625	lb ai/A	PRE	0	90	83	100	87	80	100	100
19	CANOPY	75	DF	.094	lb ai/A	PRE								
19	X-77			.25	% v/v	PRE								
19	REFLEX	2	EC	.375	lb ai/A	MP								
19	FUSION	2.66	EC	.166	lb ai/A	MP								
19	SUNIT II		L	1	qt pr/A	MP								
19	LIQUID N		L	2.5	qt pr/A	MP								

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code		Rating Data Type		Rating Unit		Trt-Eval Interval		PRM Data Type		Decimals Printed		GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR	
												INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
												PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
												8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
												P	P	P	P	P	P	P	P	P
												0	0	0	0	0	0	0	0	0
20	TOUCHDOWN	6	L	1	lb ai/A	PRE						0	97	100	100	100	80	100	100	
20	WEEDONE LV4	4	SC	.5	lb ai/A	PRE														
20	X-77			.5	% v/v	PRE														
20	REFLEX	2	EC	.375	lb ai/A	MP														
20	FUSION	2.66	EC	.166	lb ai/A	MP														
20	SUNIT II		L	1	qt pr/A	MP														
20	LIQUID N		L	2.5	qt pr/A	MP														
21	TOUCHDOWN	6	L	1	lb ai/A	PRE						0	97	83	100	97	83	100	100	
21	X-77			.5	% v/v	PRE														
21	REFLEX	2	EC	.375	lb ai/A	MP														
21	FUSION	2.66	EC	.166	lb ai/A	MP														
21	SUNIT II		L	1	qt pr/A	MP														
21	LIQUID N		L	2.5	qt pr/A	MP														
22	FUSION	2.66	EC	.083	lb ai/A	PRE						0	87	93	97	90	70	90	100	
22	WEEDONE LV4	4	SC	.5	lb ai/A	PRE														
22	SUNIT II		L	1	qt pr/A	PRE														
22	REFLEX	2	EC	.375	lb ai/A	MP														
22	FUSION	2.66	EC	.166	lb ai/A	MP														
22	SUNIT II		L	1	qt pr/A	MP														
22	LIQUID N		L	2.5	qt pr/A	MP														
23	FRONTIER	7.5	EC	1.2	lb ai/A	PRE						0	73	83	67	87	70	80	33	
23	CANOPY	75	DF	.28	lb ai/A	PRE														
23	ROUNDUP	4	L	1	lb ai/A	PRE														
23	X-77			.5	% v/v	PRE														
24	FRONTIER	7.5	EC	1.2	lb ai/A	PRE						0	87	80	70	83	80	83	57	
24	SCEPTER	70	DF	.125	lb ai/A	PRE														
24	ROUNDUP	4	L	1	lb ai/A	PRE														
24	X-77			.5	% v/v	PRE														
25	FRONTIER	7.5	EC	1.2	lb ai/A	PRE						0	90	80	60	83	67	90	50	
25	PURSUIT	70	DF	.063	lb ai/A	PRE														
25	ROUNDUP	4	L	1	lb ai/A	PRE														
25	X-77			.5	% v/v	PRE														
26	FRONTIER	7.5	EC	1.2	lb ai/A	PRE						7	83	87	83	80	73	87	77	
26	ROUNDUP	4	L	1	lb ai/A	PRE														
26	X-77			.5	% v/v	PRE														
26	PURSUIT	70	DF	.063	lb ai/A	3TR														
26	SUNIT II		L	.75	qt pr/A	3TR														
26	LIQUID N		L	1	qt pr/A	3TR														
27	DETAIL	4.1	EC	1.03	lb ai/A	PRE						0	87	77	80	87	70	87	83	
27	FRONTIER	7.5	EC	.25	lb ai/A	PRE														
27	ROUNDUP	4	L	1	lb ai/A	PRE														
27	X-77			.5	% v/v	PRE														

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	CHEAL	AMBEL	POLPY	PHBPU	SOLPT	AMBTR
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt Treatment	Form	Fm	Rate	Grow
No Name	Amt	Ds	Unit	Stg
=====				
LSD (P=.05)	1.8	17.5	12.4	28.3
Standard Deviation	1.1	10.7	7.6	17.3
CV	450.0	13.26	8.94	24.09

19-9-95 (S5022)

Site Description

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

MINIMUM TILL SOYBEAN FULL SEASON

Project Code: S5022  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: FLYER Planting Date: 24-5-95  
Planting Method: DRILLED Rate, Unit: 4 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 8 , IN  
Soil Temp., Unit: 70 , F Soil Moisture: GOOD Emergence Date: 31-5-95  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 30 , FT Reps: 3  
Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 4.1 % Sand: 6.3 % Silt: 64.7 % Clay: 28.9  
pH: 6 CEC: 24.9 Soil Name: LANTON Fertility Level: MEDIUM

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

	A	B	C	D	E	F
Application Date:	24-5-95	7-6-95	8-6-95			
Time of Day:	3 PM	2 PM	4 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	EP	MP			
Air Temp., Unit:	85 ,F	82 ,F	79 ,F			
% Relative Humidity:	70	60	65			
Wind Velocity, Unit:	3 ,MPH	3 ,MPH	3 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	70 ,F	75 ,F	75 ,F			
Soil Moisture:	GOOD	GOOD	GOOD			
% Cloud Cover:	30	20	10			
Weed Species	Weed Stage, Density at Application					
SETFA	2L ,2"	3L ,4"				
CHEAL	4-6L,2"	6L ,3"				
POLPY	4L ,2"	4L ,3"				
PHBPU	2L ,2"	3L ,3"				
AMBTR	3L ,2	4L ,4"				

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. C02 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. C02	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. C02	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	IPOLA	ACCOS	GLYMA	SETFA	IPOLA	ACCOS
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt Treatment	Form	Fm	Rate	Grow											
No Name	Amt	Ds	Rate	Unit	Stg										
11 8 INCH						100	87	0	100	83	100	0	100	80	97
11 ROUNDUP	4 L		.75 lb ai/A	<6"											
11 X-77			.5 % v/v	<6"											
12 8 INCH						100	87	0	100	87	100	0	100	87	100
12 ROUNDUP	4 L		.75 lb ai/A	<6"											
12 X-77			.5 % v/v	<6"											
12 ROUNDUP	4 L		.75 lb ai/A	3"											
12 X-77			.5 % v/v	3"											
13 8 INCH						100	100	0	100	97	100	0	100	93	100
13 PURSUIT	70 DF		.063 lb ai/A	<6"											
13 ROUNDUP	4 L		.75 lb ai/A	<6"											
13 X-77			.5 % v/v	<6"											
14 8 INCH						100	93	0	100	93	100	0	100	93	100
14 SCEPTER	70 DF		.125 lb ai/A	PRE											
14 ROUNDUP	4 L		.75 lb ai/A	<6"											
14 X-77			.5 lb ai/A	<6"											
15 8 INCH						93	70	0	93	67	100	0	93	70	100
15 PARTNER	65 DF		3 lb ai/A	PRE											
15 ROUNDUP	4 L		.75 lb ai/A	<6"											
15 X-77			.5 lb ai/A	<6"											
16 8 INCH						80	80	0	80	80	80	0	70	83	80
16 PURSUIT	70 DF		.063 lb ai/A	<6"											
16 SUNIT II	L		.75 qt pr/A	<6"											
16 LIQUID N	L		1 qt pr/A	<6"											
17 8 INCH						70	63	0	70	63	73	0	70	67	60
17 COBRA	2 L		.25 lb ai/A	<6"											
17 SELECT	2 EC		.054 lb ai/A	<6"											
17 COC			.5 qt pr/A	<6"											
18 8 INCH						70	63	0	70	77	63	0	77	77	57
18 CONCLUDE	5.53 L		1.03 lb ai/A	<6"											
18 COC			1 qt pr/A	<6"											
19 8 INCH						77	80	0	77	80	83	0	83	80	83
19 TORNADO	1.75 L		.44 lb ai/A	<6"											
19 COC			1 qt pr/A	<6"											
20 8 INCH						67	67	0	67	90	60	0	67	87	57
20 CLASSIC	25 DF		.008 lb ai/A	<6"											
20 ASSURE II	.8 EC		.5 lb ai/A	<6"											
20 COC			1 qt pr/A	<6"											
LSD (P=.05)						13.0	14.3	0.0	13.4	14.4	12.6	0.0	13.1	17.0	15.4
Standard Deviation						7.9	8.6	0.0	8.1	8.7	7.6	0.0	7.9	10.3	9.4
CV						9.31	11.95	.	9.62	11.85	8.87	.	9.55	14.44	11.34

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19-9-95 (S5031)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

NO-TILL ROUNDUP READY SOYBEANS

Project Code: S5031  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN      Variety: AGR 46006      Planting Date: 25-5-95  
Planting Method: ROW/DRILL      Depth, Unit: 1.5 , IN  
Soil Temp., Unit: 70 , F      Soil Moisture: GOOD      Emergence Date: 31-5-95  
Plot Width/Area, Unit: 5 , FT      Plot Length, Unit: 35 , FT      Reps: 3  
Study Design: Split-Plot

Soil Description

Texture: SILT LOAM      % OM: 4.5      % Sand: 5.57      % Silt: 62.6      % Clay: 31.8  
pH: 6.3      CEC: 27.9      Soil Name: LANTON      Fertility Level: MEDIUM

Moisture Conditions

Moisture On:      Date      Amount Unit      Type      Date      Amount Unit      Type

Application Information

Application Date:      25-5-95      19-6-95  
Time of Day:      5 PM      10 AM  
Application Method:      BROADCAST      BROADCAST  
Application Timing:      PRE      <6"  
Air Temp., Unit:      78 ,F      80 ,F  
% Relative Humidity:      70      60  
Wind Velocity, Unit:      4 ,MPH      3.6 ,MPH  
Dew Presence (Y/N):      N      N  
Soil Temp., Unit:      70 ,F      72 ,F  
Soil Moisture:      HIGH      GOOD  
% Cloud Cover:      25      10  
Weed Species      Weed Stage, Density at Application  
SETFA      6" ,6L  
IPOLA      4" ,5L  
ACCOS      3" ,6L

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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MINIMUM TILL ROUNDUP READY SOYBEANS

Project Code:S5032  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	IPOLA	ACCOS	GLYMA	SETFA	IPOLA	ACCOS
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Grow	GGGG	BBBB	GLYMA	SETFA	IPOLA	ACCOS
No	Name	Amt	Ds	Rate	Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1	30 INCH ROUNDUP	4	L	.75 lb ai/A	<6"	77	87	0	77	87	90
	1 X-77			.5 % v/v	<6"						0
2	30 INCH ROUNDUP	4	L	.75 lb ai/A	<6"	80	77	0	80	80	90
	2 X-77			.5 % v/v	<6"						0
	2 ROUNDUP	4	L	.75 lb ai/A	3"						77
	2 X-77			.5 % v/v	3"						80
3	30 INCH PURSUIT	70	DF	.063 lb ai/A	<6"	97	97	0	97	97	97
	3 ROUNDUP	4	L	.75 lb ai/A	<6"						0
	3 X-77			.5 % v/v	<6"						90
4	30 INCH SCEPTER	70	DF	.125 lb ai/A	PRE	100	100	0	100	100	100
	4 ROUNDUP	4	L	.75 lb ai/A	<6"						0
	4 X-77			.5 lb ai/A	<6"						97
5	30 INCH PARTNER	65	DF	3 lb ai/A	PRE	100	97	30	100	97	100
	5 ROUNDUP	4	L	.75 lb ai/A	<6"						17
	5 X-77			.5 lb ai/A	<6"						87
6	30 INCH PURSUIT	70	DF	.063 lb ai/A	<6"	83	70	0	83	97	67
	6 SUNIT II		L	.75 qt pr/A	<6"						0
	6 LIQUID N		L	1 qt pr/A	<6"						77
7	30 INCH COBRA	2	L	.25 lb ai/A	<6"	53	87	0	53	87	90
	7 SELECT	2	EC	.054 lb ai/A	<6"						0
	7 COC			.5 qt pr/A	<6"						53
8	30 INCH CONCLUDE	5.53	L	1.03 lb ai/A	<6"	67	67	0	67	83	60
	8 COC			1 qt pr/A	<6"						0
9	30 INCH TORNADO	1.75	L	.44 lb ai/A	<6"	77	73	0	77	90	77
	9 COC			1 qt pr/A	<6"						0
10	30 INCH CLASSIC	25	DF	.008 lb ai/A	<6"	67	60	0	67	93	50
	10 ASSURE II	.8	EC	.5 lb ai/A	<6"						0
	10 COC			1 qt pr/A	<6"						60

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Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	IPOLA	ACCOS	GLYMA	SETFA	IPOLA	ACCOS
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt Treatment No Name	Form Fm Amt Ds	Rate Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	IPOLA CONTROL PERCENT	ACCOS CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	IPOLA CONTROL PERCENT	ACCOS CONTROL PERCENT
11 8 INCH ROUNDUP	4 L	.75 lb ai/A	<6"	83	93	0	83	93	100	0	83	93	90
11 X-77		.5 % v/v	<6"										
12 8 INCH ROUNDUP	4 L	.75 lb ai/A	<6"	90	93	0	90	93	93	0	90	93	90
12 X-77		.5 % v/v	<6"										
12 ROUNDUP	4 L	.75 lb ai/A	3"										
12 X-77		.5 % v/v	3"										
13 8 INCH PURSUIT	70 DF	.063 lb ai/A	<6"	100	90	0	100	100	87	0	100	97	83
13 ROUNDUP	4 L	.75 lb ai/A	<6"										
13 X-77		.5 % v/v	<6"										
14 8 INCH SCEPTER	70 DF	.125 lb ai/A	PRE	100	100	0	100	97	100	0	100	100	97
14 ROUNDUP	4 L	.75 lb ai/A	<6"										
14 X-77		.5 lb ai/A	<6"										
15 8 INCH PARTNER	65 DF	3 lb ai/A	PRE	100	100	40	100	100	100	30	100	97	100
15 ROUNDUP	4 L	.75 lb ai/A	<6"										
15 X-77		.5 lb ai/A	<6"										
16 8 INCH PURSUIT	70 DF	.063 lb ai/A	<6"	77	83	0	77	90	80	0	77	93	73
16 SUNIT II	L	.75 qt pr/A	<6"										
16 LIQUID N	L	1 qt pr/A	<6"										
17 8 INCH COBRA	2 L	.25 lb ai/A	<6"	60	77	0	60	77	87	0	57	77	83
17 SELECT	2 EC	.054 lb ai/A	<6"										
17 COC		.5 qt pr/A	<6"										
18 8 INCH CONCLUDE	5.53 L	1.03 lb ai/A	<6"	63	73	0	63	83	67	0	67	80	67
18 COC		1 qt pr/A	<6"										
19 8 INCH TORNADO	1.75 L	.44 lb ai/A	<6"	87	87	0	87	93	77	0	90	93	80
19 COC		1 qt pr/A	<6"										
20 8 INCH CLASSIC	25 DF	.008 lb ai/A	<6"	73	40	0	73	90	37	0	67	90	33
20 ASSURE II	.8 EC	.5 lb ai/A	<6"										
20 COC		1 qt pr/A	<6"										
LSD (P=.05)				11.0	13.6	0.0	11.0	10.7	20.2	1.1	12.9	12.9	23.0
Standard Deviation				6.7	8.3	0.0	6.7	6.5	12.2	0.6	7.8	7.8	13.9
CV				8.18	10.02	0.0	8.18	7.11	14.84	27.66	9.93	8.68	17.92

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19-9-95 (S5032)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

MINIMUM TILL ROUNDUP READY SOYBEANS

Project Code: S5032  
Cooperator :

Location : LEXINGTON, KY.  
By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: AGR 46006 Planting Date: 25-5-95  
Planting Method: ROW/DRILL Depth, Unit: 1.5 , IN  
Soil Temp., Unit: 70 , F Soil Moisture: GOOD Emergence Date: 31-5-95  
Plot Width/Area, Unit: 5 , FT Plot Length, Unit: 35 , FT Reps: 3  
Study Design: Split-Plot

Soil Description

Texture: SILT LOAM % OM: 4.5 % Sand: 5.57 % Silt: 62.6 % Clay: 31.8  
pH: 6.3 CEC: 27.9 Soil Name: LANTON Fertility Level: MEDIUM

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 25-5-95 19-6-95  
Time of Day: 5 PM 10 AM  
Application Method: BROADCAST BROADCAST  
Application Timing: PRE <6"  
Air Temp., Unit: 78 , F 80 , F  
% Relative Humidity: 70 60  
Wind Velocity, Unit: 4 , MPH 3.6 , MPH  
Dew Presence (Y/N): N N  
Soil Temp., Unit: 70 , F 72 , F  
Soil Moisture: HIGH GOOD  
% Cloud Cover: 25 10  
Weed Species Weed Stage, Density at Application  
SETFA 6" ,6L  
IPOLA 4" ,5L  
ACCOS 3" ,6L

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4 WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

ROUNDUP READY SOYBEAN ROW SPACING

Project Code: S5040  
Cooperator : JOE GREENWELL

Location : LEXINGTON, KY.  
By: C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	AMACH	GLYMA	SETFA	AMACH	GLYMA	SETFA	AMACH
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Trt-Eval Interval	12 DAT	12 DAT	12 DAT	30 DAT	30 DAT	30 DAT	60 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow						
No	Name	Amt	Ds	Rate	Unit	Stg						
1	DRILLED						0	100	100	0	58	48
1	ROUNDUP	4	L	.25 lb ai/A	PRE						0	50
1	X-77			.5 % v/v	PRE							48
2	DRILLED						0	100	100	0	60	50
2	ROUNDUP	4	L	.5 lb ai/A	PRE						0	55
2	X-77			.5 % v/v	PRE							48
3	DRILLED						0	100	100	0	70	58
3	ROUNDUP	4	L	.75 lb ai/A	PRE						0	68
3	X-77			.5 % v/v	PRE							58
4	DRILLED						0	100	100	0	73	50
4	ROUNDUP	4	L	1 lb ai/A	PRE						0	63
4	X-77			.5 % v/v	PRE							48
5	DRILLED						0	98	88	0	93	85
5	ROUNDUP	4	L	.25 lb ai/A	+2W						0	93
5	X-77			.5 % v/v	+2W							85
6	DRILLED						3	95	90	0	93	90
6	ROUNDUP	4	L	.5 lb ai/A	+2W						0	93
6	X-77			.5 % v/v	+2W							90
7	DRILLED						0	85	85	0	85	85
7	ROUNDUP	4	L	.75 lb ai/A	+2W						0	85
7	X-77			.5 % v/v	+2W							85
8	DRILLED						0	98	88	0	98	88
8	ROUNDUP	4	L	1 lb ai/A	+2W						0	98
8	X-77			.5 % v/v	+2W							88
9	DRILLED						0	93	90	0	93	90
9	ROUNDUP	4	L	.25 lb ai/A	PRE						0	93
9	X-77			.5 % v/v	PRE							90
9	ROUNDUP	4	L	.25 lb ai/A	+2W						0	93
9	X-77			.5 % v/v	+2W							90
10	DRILLED						0	98	100	0	98	100
10	ROUNDUP	4	L	.5 lb ai/A	PRE						0	95
10	X-77			.5 % v/v	PRE							98
10	ROUNDUP	4	L	.5 lb ai/A	+2W						0	95
10	X-77			.5 % v/v	+2W							98

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Weed/Crop Code	GLYMA	SETFA	AMACH	GLYMA	SETFA	AMACH	GLYMA	SETFA	AMACH
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Trt-Eval Interval	12 DAT	12 DAT	12 DAT	30 DAT	30 DAT	30 DAT	60 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT
11	DRILLED						0	90	93	0	90	93
11	ROUNDUP	4	L	.75 lb ai/A	PRE							
11	X-77			.5 % v/v	PRE							
11	ROUNDUP	4	L	.75 lb ai/A	+2W							
11	X-77			.5 % v/v	+2W							
12	DRILLED						3	90	93	0	90	90
12	ROUNDUP	4	L	1 lb ai/A	PRE							
12	X-77			.5 % v/v	PRE							
12	ROUNDUP	4	L	1 lb ai/A	+2W							
12	X-77			.5 % v/v	+2W							
13	DRILLED						0	95	98	0	95	98
13	MICRO TECH	4	ME	2.5 lb ai/A	PRE							
13	ROUNDUP	4	L	.5 lb ai/A	+2W							
13	X-77			.5 % v/v	+2W							
14	DRILLED						5	98	98	0	98	98
14	ROUNDUP	4	L	1 lb ai/A	PRE							
14	X-77			.5 % v/v	PRE							
14	PURSUIT	70	DF	.063 lb ai/A	+2W							
14	SUNIT II		L	.75 lb ai/A	+2W							
14	LIQUID N		L	1 qt pr/A	+2W							
15	DRILLED						0	0	0	0	0	0
15	CHECK											
16	30" ROWS						0	100	100	0	60	48
16	ROUNDUP	4	L	.25 lb ai/A	PRE							
16	X-77			.5 % v/v	PRE							
17	30" ROWS						0	100	100	0	63	63
17	ROUNDUP	4	L	.5 lb ai/A	PRE							
17	X-77			.5 % v/v	PRE							
18	30" ROWS						0	100	100	0	65	58
18	ROUNDUP	4	L	.75 lb ai/A	PRE							
18	X-77			.5 % v/v	PRE							
19	30" ROWS						0	100	100	0	63	58
19	ROUNDUP	4	L	1 lb ai/A	PRE							
19	X-77			.5 % v/v	PRE							
20	30" ROWS						0	93	80	0	85	78
20	ROUNDUP	4	L	.25 lb ai/A	+2W							
20	X-77			.5 % v/v	+2W							
21	30" ROWS						0	58	58	0	50	50
21	ROUNDUP	4	L	.5 lb ai/A	+2W							
21	X-77			.5 % v/v	+2W							

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	AMACH	GLYMA	SETFA	AMACH	GLYMA	SETFA	AMACH
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Trt-Eval Interval	12 DAT	12 DAT	12 DAT	30 DAT	30 DAT	30 DAT	60 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT	GLYMA INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT
22	30" ROWS						0	98	85	0	90	83
22	ROUNDUP	4	L	.75 lb ai/A		+2W						
22	X-77			.5 % v/v		+2W						
23	30" ROWS						0	100	93	0	95	90
23	ROUNDUP	4	L	1 lb ai/A		+2W						
23	X-77			.5 % v/v		+2W						
24	30" ROWS						0	93	90	0	88	88
24	ROUNDUP	4	L	.25 lb ai/A		PRE						
24	X-77			.5 % v/v		PRE						
24	ROUNDUP	4	L	.25 lb ai/A		+2W						
24	X-77			.5 % v/v		+2W						
25	30" ROWS						0	93	85	0	85	73
25	ROUNDUP	4	L	.5 lb ai/A		PRE						
25	X-77			.5 % v/v		PRE						
25	ROUNDUP	4	L	.5 lb ai/A		+2W						
25	X-77			.5 % v/v		+2W						
26	30" ROWS						0	90	88	0	83	83
26	ROUNDUP	4	L	.75 lb ai/A		PRE						
26	X-77			.5 % v/v		PRE						
26	ROUNDUP	4	L	.75 lb ai/A		+2W						
26	X-77			.5 % v/v		+2W						
27	30" ROWS						0	90	90	0	88	88
27	ROUNDUP	4	L	1 lb ai/A		PRE						
27	X-77			.5 % v/v		PRE						
27	ROUNDUP	4	L	1 lb ai/A		+2W						
27	X-77			.5 % v/v		+2W						
28	30" ROWS						0	95	70	0	90	68
28	MICRO TECH	4	ME	2.5 lb ai/A		PRE						
28	ROUNDUP	4	L	.5 lb ai/A		+2W						
28	X-77			.5 % v/v		+2W						
29	30" ROWS						8	100	100	0	100	98
29	ROUNDUP	4	L	1 lb ai/A		PRE						
29	X-77			.5 % v/v		PRE						
29	PURSUIT	70	DF	.063 lb ai/A		+2W						
29	SUNIT II		L	.75 lb ai/A		+2W						
29	LIQUID N		L	1 qt pr/A		+2W						
30	30" ROWS						0	0	0	0	0	0
30	CHECK											
LSD (P=.05)							2.7	6.6	10.6	0.0	14.8	14.2
Standard Deviation							1.9	4.6	7.5	0.0	10.4	10.1
CV							326.63	5.27	8.8	.	13.67	14.1

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19-9-95 (S5040)

Site Description

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

ROUNDUP READY SOYBEAN ROW SPACING

Project Code: S5040  
Cooperator : JOE GREENWELL

Location : LEXINGTON, KY.  
By: C. H. SLACK.

Site Description

Crop: SOYBEAN Variety: ROUNDUP READY Planting Date: 22-5-95  
Planting Method: ROW/DRILL Rate, Unit: 8/3 , FT Depth, Unit: 1.5 , IN  
Soil Temp., Unit: 62 , F Soil Moisture: HIGH Emergence Date: 30-5-95  
Plot Width/Area, Unit: 10 , FT Plot Length, Unit: 30 , FT Reps: 4  
Ground Cover: 100  
Tillage Type: NO-TILL Study Design: Split-Plot

Soil Description

Texture: SILT LOAM % OM: 4.1 % Sand: 8 % Silt: 65.3 % Clay: 22.6  
pH: 6.3 CEC: 20 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 25-5-95 8-6-95  
Time of Day: 11 AM 1 PM  
Application Method: BROADCAST BROADCAST  
Application Timing: PRE +2WK  
Air Temp., Unit: 74 ,F 79 ,F  
% Relative Humidity: 80 76  
Wind Velocity, Unit: 4 ,MPH 3.2 ,MPH  
Dew Presence (Y/N): N N  
Soil Temp., Unit: 65 ,F 75 ,F  
Soil Moisture: HIGH GOOD  
% Cloud Cover: 40 60  
Weed Species Weed Stage, Density at Application  
SETFA 2-4L, 3-5"  
AMACH 4-6L, 5-7"

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	80015	19"	19"	10'	10	WATER	30
B. CO2	3.7	FLAT FAN	80015	19"	19"	10'	10	WATER	30



Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	ABUTH	CHEAL	XANST	AMACH	PHBPU
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	30 DAT	30 DAT	30 DAT	30 DAT	30 DAT	30 DAT	30 DAT
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	ABUTH	CHEAL	XANST	AMACH	PHBPU
14	CANOPY	75	DF	.28	lb ai/A	PRE	0	93	90	100	100	100	77
14	ASSURE II	.8	EC	.055	lb ai/A	+2W							
14	COC		L	1	qt pr/A	+2W							
15	SELECT	2	EC	.094	lb ai/A	+2W	0	93	90	73	97	100	83
15	COBRA	2	L	.2	lb ai/A	+2W							
15	COC		L	1	qt pr/A	+2W							
16	CANOPY	75	DF	.28	lb ai/A	PRE	0	100	87	100	100	97	70
16	FUSILADE DX	2	EC	.188	lb ai/A	+2W							
16	COC		L	2.5	qt pr/A	+2W							
17	TORNADO	1.75	L	.438	lb ai/A	+2W	0	100	93	97	100	100	93
17	Crop Oil Conc		L	1	qt pr/A	+2W							
17	LIQUID N		L	2.5	lb ai/A	+2W							
18	DUAL	8	EC	2.5	lb ai/A	PRE	0	97	90	90	97	100	90
18	COBRA	2	L	.25	lb ai/A	+2W							
18	COC		L	1	qt pr/A	+2W							
19	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	97	100	97	100	97
19	FLEXSTAR	1	L	.375	lb ai/A	+2W							
19	COC		L	1	qt pr/A	+2W							
19	LIQUID N		L	2.5	qt pr/A	+2W							
20	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	90	87	87	100	90
20	CLASSIC	25	DF	.008	lb ai/A	+2W							
20	X-77			.25	% v/v	+2W							
21	PURSUIT	70	DF	.063	lb ai/A	+2W	0	100	93	83	100	100	90
21	SUNIT II		L	.75	qt pr/A	+2W							
21	LIQUID N		L	1	qt pr/A	+2W							
22	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	93	100	100	100	93
22	REFLEX	2	EC	.375	lb ai/A	+2W							
22	SUNIT II		L	1	qt pr/A	+2W							
23	CANOPY	75	DF	.28	lb ai/A	PRE	0	93	93	97	97	100	90
23	SELECT	2	EC	.094	lb ai/A	+2W							
23	COC		L	1	qt pr/A	+2W							
23	LIQUID N		L	1	qt pr/A	+2W							
24	CHECK WEEDY						0	0	0	0	0	0	0
LSD (P=.05)							0.0	8.2	10.2	11.9	8.9	14.6	22.9
Standard Deviation							0.0	5.0	6.2	7.2	5.4	8.9	13.9
CV							.	5.92	7.75	8.95	6.35	10.5	19.39

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CONVENTIONAL ROUNDUP READY

Project Code:S5042  
Cooperator :JOE GREENWELL

Location :LEXINGTON  
By:C. H. SLACK

Weed/Crop Code	GLYMA	SETFA	ABUTH	CHEAL	XANST	AMACH	PHBPU
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA	SETFA	ABUTH	CHEAL	XANST	AMACH	PHBPU
1	ROUNDUP	4	L	.25	lb ai/A	PRE	0	30	33	33	33	33	33
1	X-77			.5	% v/v	PRE							
2	ROUNDUP	4	L	.5	lb ai/A	PRE	0	37	33	33	33	33	33
2	X-77			.5	% v/v	PRE							
3	ROUNDUP	4	L	1	lb ai/A	PRE	0	33	33	33	33	33	33
3	X-77			.5	% v/v	PRE							
4	ROUNDUP	4	L	.25	lb ai/A	+2W	0	90	80	73	90	93	60
4	X-77			.5	% v/v	+2W							
5	ROUNDUP	4	L	.5	lb ai/A	+2W	0	90	87	93	100	97	53
5	X-77			.5	% v/v	+2W							
6	ROUNDUP	4	L	1	lb ai/A	+2W	0	93	90	93	93	97	77
6	X-77			.5	% v/v	+2W							
7	ROUNDUP	4	L	.25	lb ai/A	+4W	0	90	83	87	97	73	63
7	X-77			.5	% v/v	+4W							
8	ROUNDUP	4	L	.5	lb ai/A	+4W	0	97	100	100	100	100	87
8	X-77			.5	% v/v	+4W							
9	ROUNDUP	4	L	1	lb ai/A	+4W	0	97	93	93	93	83	80
9	X-77			.5	% v/v	+4W							
10	ROUNDUP	4	L	.25	lb ai/A	+2W	0	100	93	93	93	93	70
10	X-77			.5	% v/v	+2W							
10	ROUNDUP	4	L	.25	lb ai/A	+4W							
10	X-77			.5	% v/v	+4W							
11	ROUNDUP	4	L	.5	lb ai/A	+2W	0	97	87	97	97	100	80
11	X-77			.5	% v/v	+2W							
11	ROUNDUP	4	L	.5	lb ai/A	+4W							
11	X-77			.5	% v/v	+4W							
12	ROUNDUP	4	L	1	lb ai/A	+2W	0	97	100	93	100	100	93
12	X-77			.5	% v/v	+2W							
12	ROUNDUP	4	L	1	lb ai/A	+4W							
12	X-77			.5	% v/v	+4W							
13	ROUNDUP	4	L	.5	lb ai/A	ASN	0	97	87	90	93	97	80
13	X-77			.5	% v/v	ASN							

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	ABUTH	CHEAL	XANST	AMACH	PHBPU
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg							
14	CANOPY	75	DF	.28	lb ai/A	PRE	0	93	90	100	100	100	77
14	ASSURE II	.8	EC	.055	lb ai/A	+2W							
14	COC	L		1	qt pr/A	+2W							
15	SELECT	2	EC	.094	lb ai/A	+2W	0	93	90	73	97	100	83
15	COBRA	2	L	.2	lb ai/A	+2W							
15	COC	L		1	qt pr/A	+2W							
16	CANOPY	75	DF	.28	lb ai/A	PRE	0	100	87	100	100	97	70
16	FUSILADE DX	2	EC	.188	lb ai/A	+2W							
16	COC	L		2.5	qt pr/A	+2W							
17	TORNADO	1.75	L	.438	lb ai/A	+2W	0	100	93	97	100	100	93
17	Crop Oil Conc	L		1	qt pr/A	+2W							
17	LIQUID N	L		2.5	lb ai/A	+2W							
18	DUAL	8	EC	2.5	lb ai/A	PRE	0	97	90	90	97	100	90
18	COBRA	2	L	.25	lb ai/A	+2W							
18	COC	L		1	qt pr/A	+2W							
19	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	97	100	97	100	97
19	FLEXSTAR	1	L	.375	lb ai/A	+2W							
19	COC	L		1	qt pr/A	+2W							
19	LIQUID N	L		2.5	qt pr/A	+2W							
20	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	90	87	87	100	90
20	CLASSIC	25	DF	.008	lb ai/A	+2W							
20	X-77			.25	‡ v/v	+2W							
21	PURSUIT	70	DF	.063	lb ai/A	+2W	0	100	93	83	100	100	90
21	SUNIT II	L		.75	qt pr/A	+2W							
21	LIQUID N	L		1	qt pr/A	+2W							
22	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	93	100	100	100	93
22	REFLEX	2	EC	.375	lb ai/A	+2W							
22	SUNIT II	L		1	qt pr/A	+2W							
23	CANOPY	75	DF	.28	lb ai/A	PRE	0	93	93	97	97	100	90
23	SELECT	2	EC	.094	lb ai/A	+2W							
23	COC	L		1	qt pr/A	+2W							
23	LIQUID N	L		1	qt pr/A	+2W							
24	CHECK WEEDY						0	0	0	0	0	0	0
LSD (P=.05)							0.0	8.2	10.2	11.9	8.9	14.6	22.9
Standard Deviation							0.0	5.0	6.2	7.2	5.4	8.9	13.9
CV							.	5.92	7.75	8.95	6.35	10.5	19.39

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*Handwritten notes:* VL, -u, cb, PW, MG

19-9-95 (S5042)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

CONVENTIONAL ROUNDUP READY

Project Code: S5042 Location : LEXINGTON  
Cooperator : JOE GREENWELL By: C. H. SLACK

Site Description

Crop: SOYBEAN Variety: ROUNDUP READY Planting Date: 22-5-95  
Planting Method: DRILLED Rate, Unit: 3 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 8 , IN  
Soil Temp., Unit: 67 , F Soil Moisture: HIGH Emergence Date: 30-5-95  
Plot Width/Area, Unit: 6.67 , FT Plot Length, Unit: 30 , FT Reps: 3  
Ground Cover: 10  
Tillage Type: CONVENTIONAL Study Design: RCB  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED

Soil Description

Texture: SILT LOAM % OM: 3.2 % Sand: 7 % Silt: 66.7 % Clay: 26.6  
pH: 6.2 CEC: 16.5 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 25-5-95 8-6-95 22-6-95 D E F  
Time of Day: 2 PM 3 PM 1 PM  
Application Method: BROADCAST BROADCAST BROADCAST  
Application Timing: PRE +2WK, ASN +4WK  
Air Temp., Unit: 72 , F 76 , F 75 , F  
% Relative Humidity: 60 50 50  
Wind Velocity, Unit: 4 , MPH 4 , MPH 4 , MPH  
Dew Presence (Y/N): N N N  
Soil Temp., Unit: 69 , F 74 , F 77 , F  
Soil Moisture: HIGH HIGH GOOD  
% Cloud Cover: 60 40 30  
Weed Species Weed Stage, Density at Application  
SETFA 1-3L, 2" 4-6L, 5-7"  
ABUTH 2-4L, 3" 6-8L, 6-8"  
PHBPU 1-3L, 3" 4-5L, 4-6"  
XANST 2-4L, 3" 4-6L, 5-7"

Application Equipment

Sprayer Speed Nozzle Nozzle Nozzle Nozzle Boom  
Type MPH Type Size Height Spacing Width GPA Carrier PSI  
A. CO2 4WHEELER 4 FLAT FAN 8004 19" 19" 6.3 25 WATER 30  
B. CO2 3.7 FLAT FAN 80015 19" 19" 6.3 10 WATER 30  
C. CO2 3.7 FLAT FAN 80015 19" 19" 6.3 10 WATER 30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GLYMA	SETFA	CHEAL	ABUTH	XANST	GLYMA	SETFA	CHEAL	ABUTH	XANST
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Trt-Eval Interval	30 DAT	30 DAT	30 DAT	30 DAT	30 DAT	60 DAT	60 DAT	60 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow										
No	Name		Ds	Rate	Unit	Stg										
14	CANOPY	75	DF	.28	lb ai/A	PRE	0	97	100	100	97	0	97	100	100	97
14	ASSURE II	.8	EC	.055	lb ai/A	+2W										
14	COC	L		1	qt pr/A	+2W										
15	SELECT	2	EC	.094	lb ai/A	+2W	0	100	80	90	100	0	100	80	90	100
15	COBRA	2	L	.2	lb ai/A	+2W										
15	COC	L		1	qt pr/A	+2W										
16	CANOPY	75	DF	.28	lb ai/A	PRE	0	100	100	93	100	0	100	100	93	100
16	FUSILADE DX	2	EC	.188	lb ai/A	+2W										
16	COC	L		2.5	qt pr/A	+2W										
17	TORNADO	1.75	L	.438	lb ai/A	+2W	0	100	100	93	100	0	100	100	93	100
17	COC	L		1	qt pr/A	+2W										
17	LIQUID N	L		2.5	lb ai/A	+2W										
18	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	93	93	87	0	100	93	93	87
18	COBRA	2	L	.25	lb ai/A	+2W										
18	COC	L		1	qt pr/A	+2W										
19	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	100	97	100	0	100	100	97	100
19	FLEXSTAR	1	L	.375	lb ai/A	+2W										
19	COC	L		1	qt pr/A	+2W										
19	LIQUID N	L		2.5	qt pr/A	+2W										
20	DUAL	8	EC	2.5	lb ai/A	PRE	0	93	83	70	90	0	93	83	70	90
20	CLASSIC	25	DF	.008	lb ai/A	+2W										
20	X-77			.25	lb v/v	+2W										
21	PURSUIT	70	DF	.063	lb ai/A	+2W	0	97	97	97	97	0	97	97	97	97
21	SUNIT II	L		.75	qt pr/A	+2W										
21	LIQUID N	L		1	qt pr/A	+2W										
22	DUAL	8	EC	2.5	lb ai/A	PRE	0	100	100	100	100	0	100	100	100	100
22	REFLEX	2	EC	.375	lb ai/A	+2W										
22	SUNIT II	L		1	qt pr/A	+2W										
23	CANOPY	75	DF	.28	lb ai/A	PRE	0	97	97	90	97	0	97	97	90	97
23	SELECT	2	EC	.094	lb ai/A	+2W										
23	COC	L		1	qt pr/A	+2W										
23	LIQUID N	L		1	qt pr/A	+2W										
24	CHECK WEEDY						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							0.0	7.3	12.9	14.3	14.8	0.0	7.3	12.9	14.3	14.8
Standard Deviation							0.0	4.4	7.8	8.7	8.9	0.0	4.4	7.8	8.7	8.9
CV								5.01	9.04	10.44	10.09		5.01	9.04	10.44	10.09

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19-9-95 (S5043)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

NO-TILL ROUNDUP READY

Project Code: S5043  
Cooperator : JOE GREENWELL

Location : LEXINGTON  
By: C. H. SLACK

**Site Description**

Crop: SOYBEAN Variety: ROUNDUP READY Planting Date: 22-5-95  
Planting Method: DRILLED Rate, Unit: 3 , FT Depth, Unit: 1 , IN  
Row Spacing, Unit: 8 , IN  
Soil Temp., Unit: 64 , F Soil Moisture: HIGH Emergence Date: 30-5-95  
Plot Width/Area, Unit: 6.67 , FT Plot Length, Unit: 30 , FT Reps: 3  
Ground Cover: 100  
Tillage Type: NO-TILL Study Design: RCB

**Soil Description**

Texture: SILT LOAM % OM: 3.2 % Sand: 7 % Silt: 66.7 % Clay: 26.6  
pH: 6.2 CEC: 16.5 Soil Name: MAURY Fertility Level: HIGH

**Moisture Conditions**

Moisture On: Date Amount Unit Type Date Amount Unit Type

**Application Information**

	A	B	C	D	E	F
Application Date:	25-5-95	8-6-95	22-6-95			
Time of Day:	2 PM	3 PM	1 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	+2WK, ASN	+4WK			
Air Temp., Unit:	72 ,F	76 ,F	75 ,F			
% Relative Humidity:	60	50	50			
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	4 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	69 ,F	74 ,F	77 ,F			
Soil Moisture:	HIGH	HIGH	GOOD			
% Cloud Cover:	60	40	30			
<b>Weed Species Weed Stage, Density at Application</b>						
SETFA		1-3L,2"	4-6L,5-7"			
ABUTH		1-3L,2"	6-8L,6-8"			
PHBPU		1-3L,3"	4-5L,4-6"			
XANST		2-4L,3"	4-6L,5-7"			

**Application Equipment**

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	6.3	25	WATER	30
B. CO2	3.7	FLAT FAN	80015	19"	19"	6.3	10	WATER	30
C. CO2	3.7	FLAT FAN	80015	19"	19"	6.3	10	WATER	30

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN PREEMERGENCE & POSTEMERGENCE

Project Code: C5110  
Cooperator : JIM MARTIN

Location : PRINCETON  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMBTR	PHBPU	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

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Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	ZEAMX	SETFA	AMBTR	PHBPU	CHEAL
1	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	77	0	100	70	63	97
1	ACTION	5	W	.0027	lb ai/A	LP								
1	SPREADER 80			.25	% v/v	LP								
2	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	70	0	100	70	63	93
2	ACTION	5	W	.0036	lb ai/A	LP								
2	SPREADER 80			.25	% v/v	LP								
3	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	80	0	100	77	73	97
3	ACTION	5	W	.0045	lb ai/A	LP								
3	SPREADER 80			.25	% v/v	LP								
4	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	73	0	100	67	70	90
4	ACTION	5	W	.0135	lb ai/A	LP								
4	SPREADER 80			.25	% v/v	LP								
5	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	73	0	100	80	57	97
5	RESOURCE	.86	EC	.027	lb ai/A	LP								
5	SPREADER 80			.25	% v/v	LP								
6	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	83	0	100	83	77	100
6	RESOURCE	.86	EC	.054	lb ai/A	LP								
6	SPREADER 80			.25	% v/v	LP								
7	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	83	0	100	90	73	100
7	RESOURCE	.86	EC	.081	lb ai/A	LP								
7	SPREADER 80			.25	% v/v	LP								
8	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	97	0	100	97	93	100
8	BEACON	75	DF	.018	lb ai/A	LP								
8	ACCENT	75	DF	.016	lb ai/A	LP								
8	SPREADER 80			.25	% v/v	LP								
9	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	97	0	100	100	97	97
9	EXCEED	57	W	.036	lb ai/A	MP								
9	SPREADER 80			.25	% v/v	MP								
10	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	100	0	100	100	100	100
10	BROADSTRIKE PO	85.6	WG	.21	lb ai/A	MP								
10	SPREADER 80			.25	% v/v	MP								
10	LIQUID N		L	2	qt pr/A	MP								
11	BROADSTRIKE SF	7.75	SC	1.69	lb ai/A	PRE		100	80	0	100	83	83	100
12	BROADSTRIKE SF	7.75	SC	1.93	lb ai/A	PRE		100	80	0	100	60	87	100





Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	AMBTR	PHBPU	CHEAL
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	BBBB CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	PHBPU CONTROL PERCENT	CHEAL CONTROL PERCENT
38	HARNESS EXTRA	6	F	3 lb ai/A	PRE		100	100	0	100	100	100	100
38	BATTALION	15	DF	.047 lb ai/A	PRE								
39	HARNESS EXTRA	6	F	2.6 lb ai/A	PRE		100	90	0	100	97	93	100
39	AATREX	4	L	1 lb ai/A	PRE								
40	DUAL II	7.8	EC	1.95 lb ai/A	PRE		100	93	0	100	100	93	100
40	BUCTRIL GEL	4	E	.5 lb ai/A	LP								
41	DUAL II	7.8	EC	1.95 lb ai/A	PRE		100	100	0	100	100	100	100
41	BUCTRIL GEL	4	E	.25 lb ai/A	LP								
41	AATREX	4	L	.5 lb ai/A	LP								
42	DUAL II	7.8	EC	1.95 lb ai/A	PRE		100	93	0	100	100	93	100
42	BUCTRIL GEL	4	E	.188 lb ai/A	LP								
42	EXCEED	57	W	.009 lb ai/A	LP								
43	DUAL II	7.8	EC	1.95 lb ai/A	PRE		100	90	0	100	97	87	93
43	BUCTRIL GEL	4	E	.188 lb ai/A	LP								
43	EXCEED	57	W	.018 lb ai/A	LP								
44	DUAL II	7.8	EC	1.95 lb ai/A	PRE		100	90	0	100	100	87	93
44	BUCTRIL GEL	4	E	.188 lb ai/A	LP								
44	PERMIT	75	DF	.016 lb ai/A	LP								
LSD (P=.05)							1.4	11.5	0.0	1.4	20.9	12.1	9.1
Standard Deviation							0.9	7.0	0.0	0.9	12.8	7.4	5.5
CV							0.87	7.77	.	0.87	13.97	8.32	5.63

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19-9-95 (C5110)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN PREEMERGENCE & POSTEMERGENCE

Project Code: C5110  
Cooperator : JIM MARTIN

Location : PRINCETON  
By: C. H. SLACK

Site Description

Crop: CORN	Variety: PIONEER 3140	Planting Date: 23-5-95
Planting Method: ROWS	Rate, Unit: 24000 , TH	Depth, Unit: 1.5 , IN
	Row Spacing, Unit: 30 , IN	
Soil Temp., Unit: 65 , F	Soil Moisture: HIGH	Emergence Date: 30-5-95
Plot Width/Area, Unit: 5 , FT	Plot Length, Unit: 30 , FT	Reps: 3
		Ground Cover: 10
Tillage Type: CONVENTIONAL	Study Design: RCB	

Soil Description

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	23-5-95	15-6-95	21-6-95			
Time of Day:	1 PM	2 PM	2 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	MP, 8"C	LP			
Air Temp., Unit:	71 , F	90 , F	88 , F			
% Relative Humidity:	60	40	60			
Wind Velocity, Unit:	4 , MPH	4 , MPH	4 , MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	65 , F	73 , F	75 , F			
Soil Moisture:	HIGH	GOOD	GOOD			
% Cloud Cover:	40	30	20			
Weed Species	Weed Stage, Density at Application					
SETFA		2-4"	4-6"			
PHBPU		2-4"	4-6"			
CHEAL		2-4"	4-6"			

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

NO-TILL CORN

Project Code: C5116  
Cooperator : JIM MARTIN

Location : PRINCETON, KY.  
By: C. H. SLACK

Weed/Crop Code	GGGG	BBBB	ZEAMX	SETFA	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG	BBBB	ZEAMX	SETFA	PHBPU
1	BROADSTRIKE	SF	SC	7.75		1.69	lb ai/A	PRE	97	90	0	97	87
1	ROUNDUP		L	4		1	lb ai/A	PRE					
1	SPREADER 80					.5	% v/v	PRE					
2	BROADSTRIKE	SF	SC	7.75		1.93	lb ai/A	PRE	93	87	0	93	90
2	ROUNDUP		L	4		1	lb ai/A	PRE					
2	SPREADER 80					.5	% v/v	PRE					
3	BROADSTRIKE	SF	SC	7.75		2.17	lb ai/A	PRE	87	93	0	87	97
3	ROUNDUP		L	4		1	lb ai/A	PRE					
3	SPREADER 80					.5	% v/v	PRE					
4	BROADSTRIKE +		SC	7.67		2.40	lb ai/A	PRE	100	97	0	100	97
4	ROUNDUP		L	4		1	lb ai/A	PRE					
4	SPREADER 80					.5	% v/v	PRE					
5	DUAL II		EC	7.8		2	lb ai/A	PRE	97	93	0	97	100
5	BROADSTRIKE	PL	WG	85.6		.17	lb ai/A	PRE					
5	ROUNDUP		L	4		1	lb ai/A	PRE					
5	SPREADER 80					.5	% v/v	PRE					
6	BROADSTRIKE	PL	WG	85.6		.21	lb ai/A	PRE	77	87	0	77	90
6	ROUNDUP		L	4		1	lb ai/A	PRE					
6	SPREADER 80					.5	% v/v	PRE					
7	DUAL II		EC	7.8		1.95	lb ai/A	PRE	80	97	0	80	87
7	AATREX		L	4		1.5	lb ai/A	PRE					
7	ROUNDUP		L	4		1	lb ai/A	PRE					
7	SPREADER 80					.5	% v/v	PRE					
8	DUAL II		EC	7.8		1.95	lb ai/A	PRE	90	100	0	90	100
8	BATTALION		DF	15		.047	lb ai/A	PRE					
8	ROUNDUP		L	4		1	lb ai/A	PRE					
8	SPREADER 80					.5	% v/v	PRE					
LSD (P=.05)									15.2	14.0	0.0	15.2	17.9
Standard Deviation									8.7	8.0	0.0	8.7	10.2
CV									9.66	8.59	.	9.66	10.94

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19-9-95 (C5116)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description Page 1 of 1

NO-TILL CORN

Project Code: C5116  
Cooperator : JIM MARTIN

Location : PRINCETON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN	Variety: PIONEER 3140	Planting Date: 23-5-95
Planting Method: ROWS	Rate, Unit: 24000 , TH	Depth, Unit: 1.5 , IN
	Row Spacing, Unit: 30 , IN	
Soil Temp., Unit: 65 , F	Soil Moisture: HIGH	Emergence Date: 30-5-95
Plot Width/Area, Unit: 5 , FT	Plot Length, Unit: 30 , FT	Reps: 3
		Ground Cover: 80
Tillage Type: NO-TILL	Study Design: RCB	

Soil Description

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	23-5-95					
Time of Day:	2 PM					
Application Method:	BROADCAST					
Application Timing:	PRE					
Air Temp., Unit:	71 , F					
% Relative Humidity:	60					
Wind Velocity, Unit:	4 , MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	65 , F					
Soil Moisture:	HIGH					
% Cloud Cover:	40					
Weed Species	Weed Stage, Density at Application					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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CORN JOHNSONGRASS

Project Code:C5114  
Cooperator :JIM MARTIN

Location :PRINCETON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	ZEAMX	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg			
1	BEACON	75	DF	.036	lb ai/A	MP	67	0	90
1	COC		L		1 qt pr/A	MP			
2	BEACON	75	DF	.018	lb ai/A	MP	93	0	90
2	ACCENT	75	DF	.016	lb ai/A	MP			
2	COC		L		1 qt pr/A	MP			
3	ACCENT	75	DF	.031	lb ai/A	MP	87	0	93
3	COC		L		1 qt pr/A	MP			
4	HARNESS	7	EC	1.75	lb ai/A	PRE	60	0	50
4	ACCENT	75	DF	.032	lb ai/A	LP			
4	SPREADER 80			.25	% v/v	LP			
5	HARNESS	7	EC	1.75	lb ai/A	PRE	63	0	63
5	PERMIT	75	DF	.031	lb ai/A	LP			
5	ACCENT	75	DF	.032	lb ai/A	LP			
5	SPREADER 80			.25	% v/v	LP			
6	HARNESS	7	EC	1.75	lb ai/A	PRE	53	0	50
6	PERMIT	75	DF	.031	lb ai/A	LP			
6	ACCENT	75	DF	.021	lb ai/A	LP			
6	SPREADER 80			.25	% v/v	LP			
7	HARNESS	7	EC	1.75	lb ai/A	PRE	60	0	53
7	PERMIT	75	DF	.031	lb ai/A	LP			
7	ACCENT	75	DF	.016	lb ai/A	LP			
7	SPREADER 80			.25	% v/v	LP			
8	HARNESS	7	EC	1.75	lb ai/A	PRE	67	0	67
8	PERMIT	75	DF	.016	lb ai/A	LP			
8	ACCENT	75	DF	.016	lb ai/A	LP			
8	SPREADER 80			.25	% v/v	LP			
9	HARNESS	7	EC	1.75	lb ai/A	PRE	67	0	60
9	BEACON	75	DF	.036	lb ai/A	LP			
9	SPREADER 80			.25	% v/v	LP			
10	HARNESS	7	EC	1.75	lb ai/A	PRE	60	0	57
10	PERMIT	75	DF	.031	lb ai/A	LP			
10	BEACON	75	DF	.036	lb ai/A	LP			
10	SPREADER 80			.25	% v/v	LP			

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Weed/Crop Code	GGGG	ZEAMX	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	ZEAMX INJURY PERCENT	SORHA CONTROL PERCENT
11	HARNES	7	EC	1.75	lb ai/A	PRE	73	0	67
11	PERMIT	75	DF	.031	lb ai/A	LP			
11	BEACON	75	DF	.024	lb ai/A	LP			
11	SPREADER	80		.25	% v/v	LP			
12	HARNES	7	EC	1.75	lb ai/A	PRE	53	0	50
12	PERMIT	75	DF	.031	lb ai/A	LP			
12	BEACON	75	DF	.018	lb ai/A	LP			
12	SPREADER	80		.25	% v/v	LP			
13	HARNES	7	EC	1.75	lb ai/A	PRE	57	0	57
13	PERMIT	75	DF	.016	lb ai/A	LP			
13	BEACON	75	DF	.018	lb ai/A	LP			
13	SPREADER	80		.25	% v/v	LP			
14	HARNES	7	EC	1.75	lb ai/A	PRE	73	0	67
14	ACCENT	75	DF	.016	lb ai/A	LP			
14	BEACON	75	DF	.018	lb ai/A	LP			
14	SPREADER	80		.25	% v/v	LP			
15	DUAL II	7.8	EC	2	lb ai/A	PRE	53	0	50
15	EXCEED	57	W	.036	lb ai/A	LP			
15	SPREADER	80		.25	% v/v	LP			
16	DUAL II	7.8	EC	2	lb ai/A	PRE	80	0	83
16	EXCEED	57	W	.036	lb ai/A	LP			
16	ACCENT	75	DF	.016	lb ai/A	LP			
16	X-77			.25	% v/v	LP			
LSD (P=.05)							25.6	0.0	27.9
Standard Deviation							15.4	0.0	16.7
CV							23.03	.	25.57

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19-9-95 (C5114)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description Page 1 of 1

CORN JOHNSONGRASS

Project Code: C5114  
Cooperator : JIM MARTIN

Location : PRINCETON, KY.  
By: C. H. SLACK

Site Description

Crop: CORN	Variety: PIONEER 3140	Planting Date: 23-5-95
Planting Method: ROWS	Rate, Unit: 24000 , TH	Depth, Unit: 1.5 , IN
	Row Spacing, Unit: 30	, IN
Soil Temp., Unit: 65 , F	Soil Moisture: HIGH	Emergence Date: 30-5-95
Plot Width/Area, Unit: 5 , FT	Plot Length, Unit: 30 , FT	Reps: 3
		Ground Cover: 10
Tillage Type: CONVENTIONAL	Study Design: RCB	

Soil Description

Moisture Conditions

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type
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Application Information

	A	B	C	D	E	F
Application Date:	23-5-95	15-6-95	21-6-95			
Time of Day:	2 PM	2 PM	3 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	MP	LP			
Air Temp., Unit:	71 , F	90 , F	88 , F			
% Relative Humidity:	60	40	60			
Wind Velocity, Unit:	4 , MPH	4 , MPH	4 , MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	65 , F	73 , F	75 , F			
Soil Moisture:	HIGH	GOOD	GOOD			
% Cloud Cover:	40	30	20			
Weed Species	Weed Stage, Density at Application					
SORHA	12"	18"				

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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CORN JOHNSONGRASS POSTEMERGENCE (IR)

Project Code: C5115  
Cooperator : JIM MARTIN

Location : PRINCETON  
By: C. H. SLACK

Weed/Crop Code	GGGG	ZEAMX	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm Ds	Rate	Unit	Grow Stg	4 WEEK	4 WEEK	4 WEEK
1	RESOLVE		75 DF	.25 lb ai/A	MP		43	0	43
1	SPREADER 80			.25 % v/v	MP				
1	LIQUID N		L	1 qt pr/A	MP				
2	CONTOUR		3.38 EC	.55 lb ai/A	MP		63	0	60
2	SPREADER 80			.25 % v/v	MP				
2	LIQUID N		L	1 qt pr/A	MP				
3	RESOLVE		75 DF	.25 lb ai/A	MP		77	0	80
3	SUNIT II		L	.75 qt pr/A	MP				
3	LIQUID N		L	1 qt pr/A	MP				
4	CONTOUR		3.38 EC	.55 lb ai/A	MP		70	0	73
4	SUNIT II		L	.75 qt pr/A	MP				
4	LIQUID N		L	1 qt pr/A	MP				
5	PROWL		3.3 EC	.825 lb ai/A	PRE		70	0	70
5	RESOLVE		75 DF	.25 lb ai/A	MP				
5	SPREADER 80			.25 % v/v	MP				
5	LIQUID N		L	1 qt pr/A	MP				
6	PROWL		3.3 EC	.825 lb ai/A	PRE		73	0	67
6	CONTOUR		3.38 EC	.55 lb ai/A	MP				
6	SPREADER 80			.25 % v/v	MP				
6	LIQUID N		L	1 qt pr/A	MP				
7	RESOLVE		75 DF	.25 lb ai/A	MP		87	0	90
7	ACCENT		75 DF	.016 lb ai/A	MP				
7	SPREADER 80			.25 % v/v	MP				
7	LIQUID N		L	1 qt pr/A	MP				
8	CONTOUR		3.38 EC	.55 lb ai/A	MP		83	0	80
8	ACCENT		75 DF	.016 lb ai/A	MP				
8	SPREADER 80			.25 % v/v	MP				
8	LIQUID N		L	1 qt pr/A	MP				
9	RESOLVE		75 DF	.25 lb ai/A	MP		73	0	77
9	BEACON		75 DF	.018 lb ai/A	MP				
9	SPREADER 80			.25 % v/v	MP				
9	LIQUID N		L	1 qt pr/A	MP				
10	DETAIL		4.1 EC	1.03 lb ai/A	PRE		20	0	20

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Weed Science Field Research

Weed/Crop Code	GGGG	ZEAMX	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	ZEAMX INJURY PERCENT	SORHA CONTROL PERCENT
11	PROWL	3.3	EC	1 lb ai/A	MP		83	0	87
11	ACCENT	75	DF	.031 lb ai/A	MP				
11	SPREADER 80			.25 % v/v	MP				
11	LIQUID N		L	1 qt pr/A	MP				
12	ACCENT	75	DF	.031 lb ai/A	MP		80	0	83
12	SUNIT II		L	1 qt pr/A	MP				
12	LIQUID N		L	1 qt pr/A	MP				
13	BEACON	75	DF	.036 lb ai/A	MP		73	0	87
13	SUNIT II		L	1 qt pr/A	MP				
13	LIQUID N		L	1 qt pr/A	MP				
14	BEACON	75	DF	.018 lb ai/A	MP		90	0	93
14	ACCENT	75	DF	.016 lb ai/A	MP				
14	SUNIT II		L	1 qt pr/A	MP				
14	LIQUID N		L	1 qt pr/A	MP				
LSD (P=.05)							20.0	0.0	21.6
Standard Deviation							11.9	0.0	12.8
CV							16.88	.	17.81

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19-9-95 (C5115)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

CORN JOHNSONGRASS POSTEMERGENCE (IR)

Project Code: C5115  
Cooperator : JIM MARTIN

Location : PRINCETON  
By: C. H. SLACK

Crop: CORN	<b>Site Description</b>	Planting Date: 23-5-95
Planting Method: ROWS	Variety: PIONEER 32451R	Depth, Unit: 1.5 , IN
	Rate, Unit: 24000 , TH	Row Spacing, Unit: 30 , IN
Soil Temp., Unit: 65 , F	Soil Moisture: HIGH	Emergence Date: 30-5-95
Plot Width/Area, Unit: 5 , FT	Plot Length, Unit: 30 , FT	Reps: 3
		Ground Cover: 10
Tillage Type: CONVENTIONAL	Study Design: RCB	

Soil Description

Moisture Conditions					
Moisture On:	Date	Amount	Unit	Type	

Application Information

	A	B	C	D	E	F
Application Date:	23-5-95	15-6-95				
Time of Day:	2 PM	2 PM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	PRE	MP				
Air Temp., Unit:	71 , F	90 , F				
% Relative Humidity:	60	40				
Wind Velocity, Unit:	4 , MPH	4 , MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	65 , F	73 , F				
Soil Moisture:	HIGH	GOOD				
% Cloud Cover:	40	30				
Weed Species	Weed Stage, Density at Application					
SORHA	12"					

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. C02 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. C02	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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Weed/Crop Code	GGGG	BBBB	GLYMA	SETFA	XANST	ABUTH	CHEAL	PHBPU
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
Decimals Printed	0	0	0	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg	GGGG	BBBB	GLYMA	SETFA	XANST	ABUTH	CHEAL	PHBPU
No	Name	Amt	Ds	Rate	Unit	Stg		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
30	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	90	0	100	97	87	100	90
30	CANOPY	75	DF	.28	lb ai/A	PRE									
30	CLASSIC	25	DF	.008	lb ai/A	MP									
30	SPREADER 80			.25	% v/v	MP									
31	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	50	0	100	97	37	77	83
31	SCEPTER OT			.31	lb ai/A	MP									
31	SPREADER 80			.25	% v/v	MP									
32	PURSUIT	70	DF	.063	lb ai/A	MP		87	90	3	83	90	93	93	87
32	SPREADER 80			.25	% v/v	MP									
32	LIQUID N		L	2	qt pr/A	MP									
33	PURSUIT	70	DF	.063	lb ai/A	MP		67	100	100	67	100	100	100	100
33	KY5000	5	W	.004	lb ai/A	MP									
33	SPREADER 80			.25	% v/v	MP									
33	LIQUID N		L	2	qt pr/A	MP									
34	BROADSTRIKE SF	7.75	SC	1.45	lb ai/A	PRE		100	83	0	100	80	93	100	73
35	BROADSTRIKE SF	7.75	SC	1.69	lb ai/A	PRE		100	80	0	100	60	90	100	83
36	BROADSTRIKE SF	7.75	SC	1.93	lb ai/A	PRE		100	73	0	100	77	93	97	70
37	BROADSTRIKE SF	7.75	SC	2.17	lb ai/A	PRE		100	77	0	100	73	93	93	80
38	BROADSTRIKE +	7.67	SC	2.16	lb ai/A	PRE		100	77	0	100	80	93	100	83
39	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	77	0	97	73	90	97	67
39	CANOPY	75	DF	.28	lb ai/A	PRE									
40	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	80	0	100	83	90	100	70
40	SCEPTER	70	DF	.125	lb ai/A	PRE									
41	DUAL II	7.8	EC	1.95	lb ai/A	PRE		100	70	0	100	80	80	93	87
41	FIRSTRATE	84	W	.031	lb ai/A	PRE									
42	DUAL II	7.8	EC	1.95	lb ai/A	PRE		97	80	0	97	90	77	97	90
42	FIRSTRATE	84	W	.039	lb ai/A	PRE									
LSD (P=.05)								17.2	15.6	6.7	16.4	26.5	15.0	10.4	18.6
Standard Deviation								10.5	9.6	4.1	10.0	16.2	9.2	6.4	11.4
CV								10.9	11.79	22.86	10.32	18.9	10.36	6.69	13.48

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Weed Science Field Research

SOYBEAN VELVETLEAF

Project Code: S5112  
Cooperator : JIM MARTIN

Location : PRINCETON  
By: C. H. SLACK

**Site Description**

Crop: SOYBEAN  
Planting Method: ROWS  
Soil Temp., Unit: 65 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL  
Field Preparation/Plot Maintenance: SPRING PLOWED, DISKED AND FIELD CULTIVATED

Variety: FLYER  
Rate, Unit: 8 , FT  
Soil Moisture: HIGH  
Plot Length, Unit: 30 , FT  
Study Design: RCB  
Ground Cover: 10

Planting Date: 23-5-95  
Depth, Unit: 1.5 , IN  
Row Spacing, Unit: 30 , IN  
Emergence Date: 30-5-95  
Reps: 3

**Soil Description**

Texture: SILT LOAM  
pH: 6.3

% OM: 1.2  
Soil Name: CRIDER  
Fertility Level: HIGH

**Moisture Conditions**

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

**Application Information**

	A	B	C	D	E	F
Application Date:	23-5-95	7-6-95	15-6-95	21-6-95		
Time of Day:	2 PM	3 PM	3PM	3PM		
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST		
Application Timing:	PRE	EP	+7D,MP	LP		
Air Temp., Unit:	71 ,F	80 ,F	90 ,F	88 ,F		
% Relative Humidity:	60	50	40	60		
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	4 ,MPH	4 ,MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	65 ,F	71 ,F	73 ,F	75 ,F		
Soil Moisture:	HIGH	GOOD	GOOD	GOOD		
% Cloud Cover:	40	20	30	20		

**Weed Species Weed Stage, Density at Application**

Weed Species	Weed Stage	Density
SETFA	1-2"	2-4"
XANST	2-3"	2-4"
ABUTH	1-3"	2-4"
PHBPU	2-3"	2-4"
CHEAL	2-3"	2-4"

**Application Equipment**

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5	25	WATER	30
B. CO2	3.7	FLAT FAN	8004	19"	19"	5	25	WATER	30
C. CO2	3.7	FLAT FAN	8004	19"	19"	5	25	WATER	30
D. CO2	3.7	FLAT FAN	8004	19"	19"	5	25	WATER	30

SOYBEAN JOHNSONGRASS

Project Code:S5103  
Cooperator :JIM MARTIN

Location :PRINCETON  
By:C. H. SLACK

Weed/Crop Code	GGGG	GLYMA	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT
1	SELECT	2	EC	.125	lb ai/A	18J	97	0	97
1	SUNIT II	L		1	qt pr/A	18J			
2	ASSURE II	.88	EC	.055	lb ai/A	18J	93	0	93
2	SUNIT II	L		1	qt pr/A	18J			
3	FUSILADE DX	2	EC	.188	lb ai/A	18J	93	0	93
3	SUNIT II	L		1	qt pr/A	18J			
4	POAST PLUS	1	EC	.19	lb ai/A	18J	90	0	90
4	SUNIT II	L		1	qt pr/A	18J			
5	POAST PLUS	1	EC	.28	lb ai/A	18J	97	0	97
5	SUNIT II	L		1	qt pr/A	18J			
6	POAST PLUS	1	EC	.062	lb ai/A	18J	93	0	93
6	SELECT	2	EC	.03	lb ai/A	18J			
6	SUNIT II	L		1	qt pr/A	18J			
7	POAST PLUS	1	EC	.125	lb ai/A	18J	97	0	97
7	SELECT	2	EC	.03	lb ai/A	18J			
7	SUNIT II	L		1	qt pr/A	18J			
8	POAST PLUS	1	EC	.19	lb ai/A	18J	93	0	93
8	SELECT	2	EC	.03	lb ai/A	18J			
8	SUNIT II	L		1	qt pr/A	18J			
9	POAST PLUS	1	EC	.125	lb ai/A	18J	97	0	97
9	ASSURE II	.88	EC	.013	lb ai/A	18J			
9	SUNIT II	L		1	qt pr/A	18J			
10	POAST PLUS	1	EC	.125	lb ai/A	18J	80	0	80
10	FUSILADE DX	2	EC	.051	lb ai/A	18J			
10	SUNIT II	L		1	qt pr/A	18J			
11	POAST PLUS	1	EC	.28	lb ai/A	18J	100	0	100
11	SUNIT II	L		1	qt pr/A	18J			
11	POAST PLUS	1	EC	.19	lb ai/A	REG			
11	SUNIT II	L		1	qt pr/A	REG			
12	POAST PLUS	1	EC	.19	lb ai/A	18J	97	0	97
12	FUSILADE DX	2	EC	.125	lb ai/A	18J			
12	SUNIT II	L		1	qt pr/A	18J			

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Weed/Crop Code	GGGG	GLYMA	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow	Stg			
			Ds							
13	POAST PLUS	1	EC	.28	lb ai/A	3WK		100	0	100
13	SUNIT II		L	1	qt pr/A	3WK				
13	POAST PLUS	1	EC	.19	lb ai/A	REG				
13	SUNIT II		L	1	qt pr/A	REG				
14	SELECT	2	EC	.125	lb ai/A	3WK		87	0	87
14	SUNIT II		L	1	qt pr/A	3WK				
15	ASSURE II	.88	EC	.055	lb ai/A	3WK		80	0	80
15	SUNIT II		L	1	qt pr/A	3WK				
16	FUSILADE DX	2	EC	.188	lb ai/A	3WK		83	0	87
16	SUNIT II		L	1	qt pr/A	3WK				
17	CONCLUDE	5.53	L	1.03	lb ai/A	3WK		67	0	67
17	SUNIT II		L	1	qt pr/A	3WK				
18	CONCLUDE	5.53	L	1.03	lb ai/A	3WK		63	3	63
18	POAST	1.53	EC	.05	lb ai/A	3WK				
18	SUNIT II		L	1	qt pr/A	3WK				
19	CONCLUDE	5.53	L	1.03	lb ai/A	3WK		77	0	77
19	SELECT	2	EC	.03	lb ai/A	3WK				
19	SUNIT II		L	1	qt pr/A	3WK				
20	CONCLUDE	5.53	L	1.03	lb ai/A	3WK		97	0	97
20	FUSILADE DX	2	EC	.063	lb ai/A	3WK				
20	SUNIT II		L	1	qt pr/A	3WK				
21	CONCLUDE	5.53	L	1.03	lb ai/A	3WK		63	0	63
21	ASSURE II	.88	EC	.013	lb ai/A	3WK				
21	SUNIT II		L	1	qt pr/A	3WK				
22	CONCLUDE	5.53	L	1.03	lb ai/A	3WK		70	0	70
22	SUNIT II		L	1	qt pr/A	3WK				
22	POAST PLUS	1	EC	.19	lb ai/A	REG				
22	SUNIT II		L	1	qt pr/A	REG				
23	FUSION	2.66	EC	.25	lb ai/A	18J		97	0	97
23	SUNIT II		L	1	qt pr/A	18J				
24	TORNADO	1.75	L	.44	lb ai/A	18J		93	0	93
24	SUNIT II		L	1	qt pr/A	18J				
24	LIQUID N		L	2	qt pr/A	18J				
25	FUSION	2.66	EC	.25	lb ai/A	18J		100	0	100
25	REFLEX	2	EC	.375	lb ai/A	18J				
25	SUNIT II		L	1	qt pr/A	18J				
25	LIQUID N		L	2	qt pr/A	18J				

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Weed/Crop Code	GGGG	GLYMA	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

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Trt No	Treatment Name	Form	Fm	Amt	Ds	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT
26	TYPHOON	L	L	1.51		.6 lb ai/A	18J		93	0	93
26	SUNIT II	L	L			1 qt pr/A	18J				
26	LIQUID N	L	L			1 qt pr/A	18J				
27	SELECT	L	EC	2		.094 lb ai/A	12J		87	13	87
27	COC	L	L			1 qt pr/A	12J				
27	LIQUID N	L	L			1 qt pr/A	12J				
27	BASAGRAN	L	S	4		.5 lb ai/A	+7D				
27	COBRA	L	L	2		.125 lb ai/A	+7D				
27	COC	L	L			.5 qt pr/A	+7D				
27	LIQUID N	L	L			2 qt pr/A	+7D				
28	SELECT	L	EC	2		.125 lb ai/A	12J		80	3	73
28	BASAGRAN	L	S	4		.5 lb ai/A	12J				
28	COBRA	L	L	2		.125 lb ai/A	12J				
28	COC	L	L			.5 qt pr/A	12J				
28	LIQUID N	L	L			2 qt pr/A	12J				
29	SELECT	L	EC	2		.125 lb ai/A	12J		83	3	83
29	CLASSIC	L	DF	25		.008 lb ai/A	12J				
29	COBRA	L	L	2		.125 lb ai/A	12J				
29	COC	L	L			.5 qt pr/A	12J				
29	LIQUID N	L	L			2 qt pr/A	12J				
30	SELECT	L	EC	2		.125 lb ai/A	12J		77	3	77
30	PURSUIT	L	DF	70		.063 lb ai/A	12J				
30	COBRA	L	L	2		.125 lb ai/A	12J				
30	COC	L	L			.5 qt pr/A	12J				
30	LIQUID N	L	L			2 qt pr/A	12J				
31	SELECT	L	EC	2		.125 lb ai/A	12J		70	0	70
31	GALAXY	L	EC	3.67		.92 lb ai/A	12J				
31	COC	L	L			.5 qt pr/A	12J				
31	LIQUID N	L	L			2 qt pr/A	12J				
32	SELECT	L	EC	2		.125 lb ai/A	12J		77	7	77
32	STORM	L	EC	2		.75 lb ai/A	12J				
32	COC	L	L			.5 qt pr/A	12J				
32	LIQUID N	L	L			2 qt pr/A	12J				
33	PURSUIT	L	DF	70		.063 lb ai/A	12J		67	0	67
33	SUNIT II	L	L			.75 qt pr/A	12J				
33	LIQUID N	L	L			1 qt pr/A	12J				
34	PURSUIT	L	DF	70		.063 lb ai/A	12J		67	0	67
34	SPREADER 80	L	L			.25 % v/v	12J				
34	LIQUID N	L	L			1 qt pr/A	12J				

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Weed/Crop Code	GGGG	GLYMA	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT
35	PURSUIT	70	DF	.063	lb ai/A	12J	60	0	60
35	COBRA	2	L	.063	lb ai/A	12J			
35	SPREADER 80			.25	qt v/v	12J			
35	LIQUID N		L	1	qt pr/A	12J			
36	PURSUIT	70	DF	.063	lb ai/A	12J	67	0	67
36	COBRA	2	L	.063	lb ai/A	12J			
36	SELECT	2	EC	.063	lb ai/A	12J			
36	SPREADER 80			.25	qt v/v	12J			
36	LIQUID N		L	1	qt pr/A	12J			
37	PURSUIT	70	DF	.063	lb ai/A	12J	70	0	70
37	SELECT	2	EC	.063	lb ai/A	12J			
37	SUNIT II		L	.75	qt pr/A	12J			
37	LIQUID N		L	1	qt pr/A	12J			
38	PURSUIT	70	DF	.063	lb ai/A	12J	77	0	77
38	SELECT	2	EC	.094	lb ai/A	12J			
38	SUNIT II		L	.75	qt pr/A	12J			
38	LIQUID N		L	1	qt pr/A	12J			
39	PURSUIT	70	DF	.063	lb ai/A	12J	73	0	73
39	SELECT	2	EC	.125	lb ai/A	12J			
39	SUNIT II		L	.75	qt pr/A	12J			
39	LIQUID N		L	1	qt pr/A	12J			
40	AC 299,263	1	S	.032	lb ai/A	12J	63	0	63
40	SPREADER 80			.25	qt v/v	12J			
40	LIQUID N		L	1	qt pr/A	12J			
41	AC 299,263	1	S	.040	lb ai/A	12J	70	0	70
41	SPREADER 80			.25	qt v/v	12J			
41	LIQUID N		L	1	qt pr/A	12J			
42	SELECT	2	EC	.063	lb ai/A	12J	80	0	80
42	SUNIT II		L	1	qt pr/A	12J			
43	SELECT	2	EC	.094	lb ai/A	12J	83	0	83
43	SUNIT II		L	1	qt pr/A	12J			
44	SELECT	2	EC	.094	lb ai/A	12J	87	0	87
44	CLASSIC	25	DF	.008	lb ai/A	12J			
44	SUNIT II		L	1	qt pr/A	12J			
45	SELECT	2	EC	.094	lb ai/A	12J	73	0	73
45	COBRA	2	L	.2	lb ai/A	12J			
45	SUNIT II		L	.5	qt pr/A	12J			

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Weed/Crop Code	GGGG	GLYMA	SORHA
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
Decimals Printed	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GGGG CONTROL PERCENT	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT
46	SELECT	2	EC	.094	lb ai/A	12J	77	0	77
46	BASAGRAN	4	EC	.75	lb ai/A	12J			
46	SUNIT II	L		1	qt pr/A	12J			
47	SELECT	2	EC	.094	lb ai/A	12J	70	0	70
47	PURSUIT	70	DF	.063	lb ai/A	12J			
47	SUNIT II	L		1	qt pr/A	12J			
48	SELECT	2	EC	.094	lb ai/A	12J	77	0	77
48	CLASSIC	25	DF	.008	lb ai/A	12J			
48	COBRA	2	L	.125	lb ai/A	12J			
48	SUNIT II	L		.5	qt pr/A	12J			
49	SELECT	2	EC	.094	lb ai/A	12J	70	0	70
49	BASAGRAN	4	EC	.5	lb ai/A	12J			
49	COBRA	2	L	.125	lb ai/A	12J			
49	SUNIT II	L		.5	qt pr/A	12J			
50	SELECT	2	EC	.094	lb ai/A	12J	77	3	77
50	PINNACLE	25	DF	.004	lb ai/A	12J			
50	COBRA	2	L	.125	lb ai/A	12J			
50	SUNIT II	L		.5	qt pr/A	12J			
51	PROWL	3.3	EC	1.25	lb ai/A	PRE	70	0	70
51	PURSUIT	70	DF	.063	lb ai/A	12J			
51	SUNIT II	L		.5	lb ai/A	12J			
51	LIQUID N	L		2	qt pr/A	12J			
52	CHECK						0	0	0
LSD (P=.05)							8.9	3.3	8.6
Standard Deviation							5.5	2.1	5.3
CV							6.9	291.44	6.69

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Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

SOYBEAN JOHNSONGRASS

Project Code: S5103  
Cooperator : JIM MARTIN

Location : PRINCETON  
By: C. H. SLACK

**Site Description**

Crop: SOYBEAN  
Planting Method: ROWS  
Soil Temp., Unit: 65 , F  
Plot Width/Area, Unit: 5 , FT  
Tillage Type: CONVENTIONAL

Variety: FLYER  
Rate, Unit: 8 , FT  
Row Spacing, Unit: 30 , IN  
Soil Moisture: HIGH  
Plot Length, Unit: 30 , FT  
Study Design: RCB

Planting Date: 23-5-95  
Depth, Unit: 1.5 , IN  
Emergence Date: 30-5-95  
Reps: 3  
Ground Cover: 20

**Soil Description**

Texture: SILT LOAM  
pH: 6.3

% OM: 1.2  
Soil Name: CRIDER  
Fertility Level: HIGH

**Moisture Conditions**

Moisture On:	Date	Amount	Unit	Type	Date	Amount	Unit	Type

**Application Information**

	A	B	C	D	E	F
Application Date:	15-6-95	15-6-95	21-6-95			
Time of Day:	10 AM	10 AM	11 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	12J	3WK	18J,+7D			
Air Temp., Unit:	81 ,F	81 ,F	90 ,F			
% Relative Humidity:	60	60	40			
Wind Velocity, Unit:	4 ,MPH	4 ,MPH	4 ,MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	69 ,F	69 ,F	72 ,F			
Soil Moisture:	GOOD	GOOD	GOOD			
% Cloud Cover:	50	50	40			
Weed Species	Weed Stage, Density at Application					
SORHA	12" ,5L	12" ,5L	18J ,7L			

**Application Equipment**

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
C. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30

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ROUNDUP READY JOHNSONGRASS

Project Code:S5140  
Cooperator :JOE GREENWELL

Location :PRINCETON  
By:W. W. Witt

Weed/Crop Code	GLYMA	SORHA	GLYMA	SORHA
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Trt-Eval Interval	30 DAT	30 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT
1	ROUNDUP	4	L	.032	lb ai/A	6J	0	10	0	10
1	X-77			.5	% v/v	6J				
2	ROUNDUP	4	L	.063	lb ai/A	6J	0	63	0	60
2	X-77			.5	% v/v	6J				
3	ROUNDUP	4	L	.125	lb ai/A	6J	0	93	0	90
3	X-77			.5	% v/v	6J				
4	ROUNDUP	4	L	.250	lb ai/A	6J	0	100	0	100
4	X-77			.5	% v/v	6J				
5	ROUNDUP	4	L	.375	lb ai/A	6J	0	100	0	100
5	X-77			.5	% v/v	6J				
6	ROUNDUP	4	L	.500	lb ai/A	6J	0	100	0	100
6	X-77			.5	% v/v	6J				
7	ROUNDUP	4	L	.625	lb ai/A	6J	0	100	0	100
7	X-77			.5	% v/v	6J				
8	ROUNDUP	4	L	.750	lb ai/A	6J	0	100	0	100
8	X-77			.5	% v/v	6J				
9	ROUNDUP	4	L	1	lb ai/A	6J	0	100	0	100
9	X-77			.5	% v/v	6J				
10	ROUNDUP	4	L	.063	lb ai/A	12J	0	53	0	47
10	X-77			.5	% v/v	12J				
11	ROUNDUP	4	L	.125	lb ai/A	12J	0	73	0	67
11	X-77			.5	% v/v	12J				
12	ROUNDUP	4	L	.250	lb ai/A	12J	0	100	0	100
12	X-77			.5	% v/v	12J				
13	ROUNDUP	4	L	.375	lb ai/A	12J	0	97	0	97
13	X-77			.5	% v/v	12J				
14	ROUNDUP	4	L	.500	lb ai/A	12J	0	100	0	100
14	X-77			.5	% v/v	12J				
15	ROUNDUP	4	L	.625	lb ai/A	12J	0	100	0	100
15	X-77			.5	% v/v	12J				

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Weed Science Field Research

Weed/Crop Code	GLYMA	SORHA	GLYMA	SORHA
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Trt-Eval Interval	30 DAT	30 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow Stg	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT	GLYMA INJURY PERCENT	SORHA CONTROL PERCENT
16	ROUNDUP	4	L	.750	lb ai/A	12J	0	100	0	100
16	X-77			.5	% v/v	12J				
17	ROUNDUP	4	L	1	lb ai/A	12J	0	100	0	100
17	X-77			.5	% v/v	12J				
18	ROUNDUP	4	L	.063	lb ai/A	18J	0	60	0	57
18	X-77			.5	% v/v	18J				
19	ROUNDUP	4	L	.125	lb ai/A	18J	0	100	0	100
19	X-77			.5	% v/v	18J				
20	ROUNDUP	4	L	.250	lb ai/A	18J	0	100	0	100
20	X-77			.5	% v/v	18J				
21	ROUNDUP	4	L	.375	lb ai/A	18J	0	100	0	100
21	X-77			.5	% v/v	18J				
22	ROUNDUP	4	L	.500	lb ai/A	18J	0	100	0	100
22	X-77			.5	% v/v	18J				
23	ROUNDUP	4	L	.625	lb ai/A	18J	0	100	0	100
23	X-77			.5	% v/v	18J				
24	ROUNDUP	4	L	.750	lb ai/A	18J	0	97	0	97
24	X-77			.5	% v/v	18J				
25	ROUNDUP	4	L	1	lb ai/A	18J	0	100	0	100
25	X-77			.5	% v/v	18J				
26	ASSURE II	.8	EC	.055	lb ai/A	12J	0	100	0	100
26	SUNIT II		L	1	qt pr/A	12J				
27	SELECT	2	EC	.125	lb ai/A	12J	0	100	0	100
27	SUNIT II		L	1	qt pr/A	12J				
28	SELECT	2	EC	.125	lb ai/A	18J	0	100	0	100
28	SUNIT II		L	1	qt pr/A	18J				
29	ASSURE II	.8	EC	.055	lb ai/A	18J	0	97	0	97
29	SUNIT II		L	1	qt pr/A	18J				
30	FUSILADE DX	2	EC	.188	lb ai/A	12J	0	100	0	100
30	SUNIT II		L	1	qt pr/A	12J				
31	FUSILADE DX	2	EC	.188	lb ai/A	18J	0	100	0	100
31	SUNIT II		L	1	qt pr/A	18J				
32	CHECK WEEDY						0	0	0	0

Weed/Crop Code	GLYMA	SORHA	GLYMA	SORHA
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Trt-Eval Interval	30 DAT	30 DAT	60 DAT	60 DAT
PRM Data Type	P	P	P	P
Decimals Printed	0	0	0	0

Trt Treatment	Form Fm	Rate	Grow
No Name	Amt Ds	Rate Unit	Stg
LSD (P=.05)		0.0	4.4
Standard Deviation		0.0	2.7
CV		.	3.06



20-9-95 (S5140)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description Page 1 of 1

ROUNDUP READY JOHNSONGRASS

Project Code: S5140  
Cooperator : JOE GREENWELL

Location : PRINCETON  
By: W. W. Witt

Site Description

Crop: SOYBEAN	Variety: ROUNDUP READY	Planting Date: 21-6-95
Planting Method: DILLED	Rate, Unit: 3 , FT	Depth, Unit: 1.5 , IN
	Row Spacing, Unit: 8 , IN	
Soil Temp., Unit: 75 , F	Soil Moisture: HIGH	Emergence Date: 27-6-95
Plot Width/Area, Unit: 6.7 , FT	Plot Length, Unit: 25 , FT	Reps: 3
	Ground Cover: 30	
Tillage Type: MINIMUM	Study Design: RCB	

Soil Description

Moisture On:		Date		Amount		Unit		Type	
Moisture Conditions									

Application Information

	A	B	C	D	E	F
Application Date:	18-7-95	25-7-95	28-7-95			
Time of Day:	2 PM	2 PM	6 PM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	6J	12J	18J			
Air Temp., Unit:	85 , F	90 , F	88 , F			
% Relative Humidity:	70	81	90			
Wind Velocity, Unit:	3 , MPH	3 , MPH	3 , MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	75 , F	74 , F	72 , F			
Soil Moisture:	HIGH	GOOD	GOOD			
% Cloud Cover:	0	0	0			

Weed Species Weed Stage, Density at Application

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2	3.7	FLAT FAN	80015	19"	19"	6.7'	10	WATER	30
B. CO2	3.7	FLAT FAN	80015	19"	19"	6.7'	10	WATER	30
C. CO2	3.7	FLAT FAN	80015	19"	19"	6.7'	10	WATER	30

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21-9-95 (T5001)

AOV Means Table Page 1 of 1

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

BURLEY TOBACCO

Project Code:T5001  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Weed/Crop Code	GGGG	BBBB	TOBACCO	SETFA	AMACH
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P
Decimals Printed	0	0	0	0	0

Trt No	Treatment Name	Form	Fm	Rate	Unit	Grow					
		Amt	Ds	Rate	Unit	Stg					
1	PROWL	3.3	EC	1.25	lb ai/A	PPI	87	77	0	87	77
2	PROWL	3.3	EC	1.5	lb ai/A	PPI	93	87	0	93	87
3	COMMAND	4	EC	1	lb ai/A	PRE	97	67	0	97	67
4	COMMAND	4	EC	1	lb ai/A	PPI	97	77	0	97	77
5	COMMAND	4	EC	1	lb ai/A	POT	97	67	0	97	67
6	COMMAND	4	EC	.75	lb ai/A	PPI	100	93	0	100	93
6	PROWL	3.3	EC	.75	lb ai/A	PPI					
7	SULFENTRAZONE	75	DF	.375	lb ai/A	PRE	90	93	0	90	93
8	SULFENTRAZONE	75	DF	.75	lb ai/A	PRE	97	97	0	97	97
9	SULFENTRAZONE	75	DF	.375	lb ai/A	PPI	87	87	0	87	87
10	SULFENTRAZONE	75	DF	.75	lb ai/A	PPI	97	97	0	97	97
11	SULFENTRAZONE	75	DF	.375	lb ai/A	PRE	97	93	0	97	93
11	COMMAND	4	EC	.75	lb ai/A	PRE					
12	SULFENTRAZONE	75	DF	.375	lb ai/A	PPI	97	93	0	97	93
12	COMMAND	4	EC	.75	lb ai/A	PPI					
13	PROWL	3.3	EC	.5	lb ai/A	PPI	87	77	0	87	77
13	COMMAND	4	EC	.75	lb ai/A	PPI					
14	SULFENTRAZONE	75	DF	.375	lb ai/A	PRE	87	83	0	87	83
14	PROWL	3.3	EC	.75	lb ai/A	PRE					
15	SULFENTRAZONE	75	DF	.375	lb ai/A	PPI	87	87	0	87	87
16	PROWL	3.3	EC	.75	lb ai/A	PPI	83	83	0	83	83
LSD (P=.05)							9.2	9.7	0.0	9.2	9.7
Standard Deviation							5.5	5.8	0.0	5.5	5.8
CV							5.95	6.85	.	5.95	6.85

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19-9-95 (T5001)

Dept. of Agronomy, Univ. of KY  
Weed Science Field Research

Site Description

BURLEY TOBACCO

Project Code:T5001  
Cooperator :

Location :LEXINGTON, KY.  
By:C. H. SLACK

Site Description

Crop: TOBACCO Variety: KY 907 Planting Date: 31-5-95  
Planting Method: TRANSPLANT Row Spacing, Unit: 42 , IN  
Soil Temp., Unit: 67 , F Soil Moisture: HIGH  
Plot Width/Area, Unit: 6.33 , FT Plot Length, Unit: 44 , FT Reps: 3  
Ground Cover: 10  
Tillage Type: CONVENTIONAL Study Design: RCB

Soil Description

Texture: SILT LOAM % OM: 3.4 % Sand: 8.2 % Silt: 51.8 % Clay: 29.6  
pH: 6.2 CEC: 25 Soil Name: MAURY Fertility Level: HIGH

Moisture Conditions

Moisture On: Date Amount Unit Type Date Amount Unit Type

Application Information

Application Date: 31-5-95 31-5-95  
Time of Day: 11 AM 4 PM  
Application Method: BROADCAST BROADCAST  
Application Timing: PRE,PPI POT  
Air Temp., Unit: 70 ,F 75 ,F  
% Relative Humidity: 50 60  
Wind Velocity, Unit: 4 ,MPH 4 ,MPH  
Dew Presence (Y/N): N N  
Soil Temp., Unit: 68 ,F 69 ,F  
Soil Moisture: HIGH HIGH  
% Cloud Cover: 40 60  
Weed Species Weed Stage, Density at Application

Application Equipment

Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A. CO2 4WHEELER	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30
B. CO2	4	FLAT FAN	8004	19"	19"	5'	25	WATER	30