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# **Herbicide Evaluation Trials**

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## **CONTENTS**

## **V. SOYBEAN WEED CONTROL - LEXINGTON**

A. Control of Grasses and Broadleaf Species	
34. Preemergence -First & Second Evaluation (S1011) .....	168
35. Preemergence -Third Evaluation (S1011) .....	171
36. Preemergence II -First, Second & Third Evaluation (S1012) ...	177
37. Postemergence -First & Second Evaluation (S1014) .....	182
38. Postemergence -Third Evaluation (S1014) .....	185
39. Postemergence II -First, Second Evaluation (S1015) .....	191
40. Postemergence II -Third Evaluation (S1015) .....	193
41. Postemergence III -First & Second Evaluation (S1016) .....	198
42. Postemergence III -Third Evaluation (S1016) .....	201
43. Postemergence IV -First & Second Evaluation (S1017) .....	207
44. Postemergence IV -Third Evaluation (S1017).....	210
45. Postemergence V -First, Second Evaluation (S1017-2) .....	216
46. Postemergence V -Third Evaluation (S1017-2) .....	219
47. Postemergence VI -First, Second Evaluation (S1024) .....	225
48 Postemergence VI -Third Evaluation (S1024) .....	227
49. No-Till Early Preplant -First, Second & Third Eval.(S1018) .	232
50. No-Till Early Preplant -Third Evaluation(S1018) .....	237
51. Minimum Till Early Preplant-First, Second & Third Evaluation (S1019) .....	243
52. Minimum Till Early Preplant -Third Evaluation (S0019) ....	248
53. No-Till Full Season -First & Second Eval.(S1020) .....	256
54. No-Till Full Season -Third Evaluation (S1020) .....	262
55. No-Till Full Season II -First & Second Evaluation (S1021)..	271
56. No-Till Full Season II -Third Evaluation (S1021) .....	277

## **VI. CORN WEED CONTROL - PRINCETON**

A. Control of Grasses and Broadleaf Species	
57. No-Till System I Roundup (C1140) .....	286
58. No-Till System II Roundup (C1142) .....	293
59. Conventional System I Roundup (C1141) .....	298
60 Conventional System II Roundup (C1143) .....	305

## **VII. BURLEY TOBACCO WEED CONTROL - LEXINGTON**

A. Control of Grasses and Broadleaf Species	
61. Burley Tobacco -First & Second Evaluation (T1001) .....	310

## **VIII. SCREEN WEED CONTROL - LEXINGTON**

A. Control of Grasses Species	
62. Screening (SCR1001) .....	314

## **IX. PASTURE WEED CONTROL - LEXINGTON**

A. Control of Broadleaf Species	
63. Pasture (P1001) .....	318

## I. ABBREVIATIONS

### A. Crop and Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
AMACH	Smooth Pigweed	<i>Amaranthus hybridus</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
BRAPP	Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DATST	Jimsonweed	<i>Datura stramonium</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
GLYMA	Soybean	<i>Glycine max</i>
IPOHE	Ivyleaf Morningglory	<i>Ipomoea hederacea</i>
IPOLA	Pitted Morningglory	<i>Ipomoea lacunosa</i>
IPOSS	Morningglory	<i>Ipomoea ssp.</i>
LACSE	Wild Lettuce	<i>Lactuca serriola L.</i>
NIOTA	Burley Tobacco	<i>Nicotiana tabacum L.</i>
PHBPU	Tall Morningglory	<i>Ipomoea purpurea</i>
PLALA	Buckhorn Plantain	<i>Plantago Lanceotata L.</i>
POLPE	Ladysthumb	<i>Polygonum persicaria</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SOLPT	Eastern Black Nightshade	<i>Solanum ptycanthum</i>
SORHA	Johnsongrass	<i>Sorghum halepense</i>
STEME	Common Chickweed	<i>Stellaria media</i>
TAROF	Common Dandelion	<i>Taraxicum officimale</i>
XANST	Common Cocklebur	<i>Xanthium strumarium</i>
ZEAMX	Corn	<i>Zea mays</i>

## I. ABBREVIATIONS

### B. Herbicide application times in Reference to Crop or Weed.

#### PREEMERGENCE

2WK        2 WEEKS BEFORE PLANTING  
1WK        1 WEEK BEFORE PLANTING  
PRE        PREEMERGENCE

#### POSTEMERGENCE

EP	EARLY POSTEMERGENCE WEEDS 0-2"
MP	MID-POSTEMERGENCE WEEDS 2-4"
MP <12C	MID-POSTEMERGENCE WEEDS 2-4" LESS THAN 12 INCH CORN
LMP	LATE MID-POSTEMERGENCE
LP	LATE POSTEMERGENCE WEEDS 4-6"
LP 30"	LATE POSTEMERGENCE LESS THAN 30 INCH CORN
LLP	LATE-LATE POSTEMERGENCE WEEDS 6-8"
LLP 30"	LATE-LATE POSTEMERGENCE LESS THAN 30 INCH CORN
2LC	2 LEAF CORN
10C	10 INCH CORN
12C	12 INCH CORN
18C	18 INCH CORN
20C	20 INCH CORN
30C	30 INCH CORN
6"W	6 INCH WEEDS
10"W	10 INCH WEEDS
16"W	16 INCH WEEDS
12J	12 INCH JOHNSONGRASS
15J	15 INCH JOHNSONGRASS
18J	18 INCH JOHNSONGRASS
REG	WEED REGROWTH
21DAP	21 DAYS AFTER PLANTING
28DAP	28 DAYS AFTER PLANTING
35DAP	35 DAYS AFTER PLANTING
V3	CORN AT GROWTH STAGE V3
V6	CORN AT GROWTH STAGE V6

## II. A. APRIL CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
04-01-2001	49	34	42	0.67	95	31	46	43	50	44	
04-02-2001	59	34	46	0.08	91	37	48	42	51	42	
04-03-2001	59	44	52	0.34	95	70	51	47	54	48	
04-04-2001	62	40	51		83	44	53	46	56	46	
04-05-2001	72	44	58		80	50	54	48	58	47	
04-06-2001	78	60	69		88	57	59	53	62	55	
04-07-2001	82	67	74		73	38	60	56	65	58	
04-08-2001	82	67	74		77	44	63	58	69	60	
04-09-2001	82	65	74		81	51	64	59	71	62	
04-10-2001	80	65	72	0.30	91	53	64	60	69	63	
04-11-2001	81	66	74		79	48	65	60	70	63	
04-12-2001	79	65	72		77	27	65	61	72	63	
04-13-2001	69	50	60		75	30	64	60	72	63	
04-14-2001	74	44	59		84	41	63	56	69	58	
04-15-2001	65	46	56	0.11	91	70	60	56	65	58	
04-16-2001	57	39	48		88	30	58	54	62	54	
04-17-2001	40	28	34	0.01	95	54	53	49	55	49	
04-18-2001	53	27	40	T	87	29	53	47	57	44	
04-19-2001	65	37	51		57	31	55	47	61	47	
04-20-2001	63	50	56	0.13	80	36	54	52	57	54	
04-21-2001	74	61	68		74	44	58	53	63	55	
04-22-2001	80	62	71		74	46	63	56	71	58	
04-23-2001	79	65	72		79	41	64	59	72	62	
04-24-2001	62	45	54	0.02	92	40	62	58	70	61	
04-25-2001	61	35	48		78	32	61	53	68	55	
04-26-2001	68	36	52		84	26	61	52	69	55	
04-27-2001	79	48	64		84	33	63	53	71	57	
04-28-2001	68	46	57		84	26	63	56	71	59	
04-29-2001	74	40	57		63	24	64	54	71	57	
04-30-2001	81	45	63		79	35	65	55	74	59	

Deviation	AIR TEMP			TOTAL PRECIP	RH		GRASS		BARE		TOTAL EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
	69	48	59	1.66			82	41	59	53	65
	+4	+4	+4	-2.22					55		

"T" indicates Trace amount of Precip (too small to measure).

**II. A. MAY CLIMATOLOGICAL DATA, SPINDLETOP**

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
05-01-2001	81	61	71		78	40	67	60	75	64	
05-02-2001	79	55	67		93	45	67	60	74	64	
05-03-2001	84	55	70		93	34	68	60	77	64	
05-04-2001	86	60	73		84	30	70	62	80	67	
05-05-2001	85	56	70		83	26	71	62	81	68	
05-06-2001	87	60	74	0.12	90	27	71	63	81	69	
05-07-2001	71	61	66	0.15	95	70	67	65	74	68	
05-08-2001	72	59	66	0.43	96	45	70	63	74	65	
05-09-2001	77	55	66		97	41	70	63	76	64	
05-10-2001	78	56	67		93	46	70	63	77	64	
05-11-2001	82	61	72	0.28	93	47	72	64	79	67	
05-12-2001	69	49	59	0.13	95	51	71	66	74	68	
05-13-2001	67	44	56		93	41	68	61	74	61	
05-14-2001	73	46	60		80	32	67	59	74	61	
05-15-2001	84	58	71		73	46	70	62	78	65	
05-16-2001	83	66	74		71	50	71	65	78	69	
05-17-2001	82	66	74	0.17	94	53	70	67	77	71	
05-18-2001	82	67	74	1.38	96	54	72	67	76	70	
05-19-2001	77	65	71	0.37	96	74	73	68	76	70	
05-20-2001	79	64	72		93	61	73	69	76	69	
05-21-2001	78	64	71	0.46	93	64	71	69	73	69	
05-22-2001	66	52	59	0.53	95	41	70	66	71	65	
05-23-2001	65	50	58	0.03	91	59	66	63	66	60	
05-24-2001	64	50	57	0.31	94	54	65	61	65	59	
05-25-2001	65	47	56		95	45	66	61	66	59	
05-26-2001	70	51	60	0.02	88	45	67	61	67	59	
05-27-2001	67	53	60	0.25	93	55	68	62	69	60	
05-28-2001	74	50	62		95	41	71	62	73	60	
05-29-2001	75	51	63		93	42	72	63	75	62	
05-30-2001	74	54	64		88	50	72	65	76	64	
05-31-2001	69	52	60	0.22	94	63	68	64	69	64	

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
	76	56	66	4.85	90	47	69	63	74	65	
	-0	+1	+1	+0.38							

**II. A. JUNE CLIMATOLOGICAL DATA, SPINDLETOP**

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
06-01-2001	67	50	58	0.30	93	73	67	64	67	62	
06-02-2001	70	50	60	T	92	55	65	62	66	59	
06-03-2001	68	48	58	0.07	93	52	67	61	67	58	
06-04-2001	71	57	64	0.45	96	79	67	63	68	62	
06-05-2001	82	61	72		96	62	73	65	76	65	
06-06-2001	84	66	75	0.01	94	60	75	69	77	69	
06-07-2001	78	65	72	0.18	94	66	74	71	76	71	
06-08-2001	77	60	68		96	55	76	70	77	69	
06-09-2001	78	55	66		94	38	76	68	78	67	
06-10-2001	82	54	68		92	38	77	68	81	67	
06-11-2001	84	60	72		83	50	78	69	82	70	
06-12-2001	88	67	78		85	53	80	72	85	73	
06-13-2001	87	63	75	0.05	91	55	79	73	82	75	
06-14-2001	91	66	78		94	40	81	73	85	73	
06-15-2001	90	68	79	0.26	94	48	81	74	86	76	
06-16-2001	82	66	74		95	44	81	74	83	74	
06-17-2001	84	62	73		85	32	81	72	85	73	
06-18-2001	87	56	72		93	31	81	71	87	72	
06-19-2001	89	61	75		87	41	81	72	88	74	
06-20-2001	82	66	74		90	56	78	74	84	77	
06-21-2001	85	65	75	0.32	93	47	78	73	84	76	
06-22-2001	68	57	62	0.35	95	70	73	70	76	71	
06-23-2001	74	57	66	0.04	95	54	75	68	76	68	
06-24-2001	79	55	67		95	45	77	68	79	68	
06-25-2001	81	57	69		92	38	78	69	81	69	
06-26-2001	81	58	70		93	45	78	70	83	71	
06-27-2001	84	60	72		95	45	79	71	83	73	
06-28-2001	85	64	74	0.01	94	46	79	71	83	74	
06-29-2001	86	63	74		96	49	80	72	83	74	
06-30-2001	86	68	77		93	53	80	73	85	75	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
Deviation	81	60	71	2.04	93	51	76	70	80	70	
	-2	-2	-2	-1.62							

"T" indicates Trace amount of Precip (too small to measure).

## II. A. JULY CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	EVAP
07-01-2001	85	66	76		94	58	79	73	84	76	
07-02-2001	76	57	66		89	45	79	72	84	75	
07-03-2001	86	57	72	0.38	94	55	80	71	85	74	
07-04-2001	80	67	74	0.38	93	67	78	72	80	75	
07-05-2001	85	65	75		96	40	80	73	81	74	
07-06-2001	78	56	67		88	32	80	70	81	70	
07-07-2001	81	60	70		84	59	75	72	76	72	
07-08-2001	89	68	78	0.29	94	64	79	74	80	74	
07-09-2001	86	67	76		95	64	81	73	82	73	
07-10-2001	90	69	80		95	46	85	75	86	75	
07-11-2001	82	58	70		93	39	83	76	84	76	
07-12-2001	77	54	66		93	44	77	72	79	72	
07-13-2001	79	56	68		92	28	78	70	82	70	
07-14-2001	81	53	67		94	33	80	69	85	71	
07-15-2001	83	54	68		91	28	81	70	86	72	
07-16-2001	88	58	73		84	33	81	71	87	74	
07-17-2001	89	70	80	0.24	92	48	79	73	82	76	
07-18-2001	80	67	74	0.62	95	66	78	73	79	74	
07-19-2001	86	70	78	0.57	94	61	81	75	83	75	
07-20-2001	88	72	80	0.12	93	50	83	77	83	77	
07-21-2001	89	69	79		95	54	84	76	85	76	
07-22-2001	86	72	79	0.67	94	67	83	77	84	77	
07-23-2001	91	72	82		94	51	85	78	87	77	
07-24-2001	93	71	82		94	52	87	79	88	78	
07-25-2001	88	72	80	1.43	94	59	86	79	88	79	
07-26-2001	77	71	74	0.57	94	86	79	78	82	78	
07-27-2001	82	67	74		95	55	82	76	83	75	
07-28-2001	82	71	76	0.09	93	78	81	78	81	76	
07-29-2001	84	72	78	0.22	93	67	82	78	82	77	
07-30-2001	90	67	78		96	44	84	77	86	75	
07-31-2001	90	69	80		93	46	85	78	87	77	

	SOIL TEMP								
	AIR TEMP			TOTAL	RH		GRASS	BARE	TOTAL
	MX	MN	AV	PRECIP	MX	MN	MX	MN	EVAP
	-----	-----	-----	-----	-----	-----	-----	-----	-----
Deviation	85	65	75	5.58	93	52	81	74	83 75
	-1	+0	-0	+0.58					

## II. A. AUGUST CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP						
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	MX	MN	EVAP
08-01-2001	90	71	80		94	47	86	79	90	78			
08-02-2001	90	71	80		93	51	85	79	89	79			
08-03-2001	83	70	76	1.11	94	73	82	78	84	78			
08-04-2001	84	70	77		95	64	82	78	83	77			
08-05-2001	86	66	76		90	58	83	77	85	75			
08-06-2001	90	70	80		93	59	84	78	87	77			
08-07-2001	92	71	82		94	47	85	78	90	78			
08-08-2001	92	70	81	0.73	92	54	86	79	92	79			
08-09-2001	87	74	80		91	63	83	80	85	80			
08-10-2001	86	71	78	0.04	93	71	83	79	85	79			
08-11-2001	84	69	76		95	66	83	79	84	77			
08-12-2001	84	69	76		95	49	84	79	86	77			
08-13-2001	84	63	74		95	44	82	76	88	75			
08-14-2001	82	62	72		94	58	81	76	88	76			
08-15-2001	82	60	71		86	50	80	74	86	75			
08-16-2001	83	68	76	0.50	93	52	78	75	84	76			
08-17-2001	81	61	71		95	52	79	73	82	73			
08-18-2001	82	64	73		87	60	76	74	78	73			
08-19-2001	78	63	70		89	54	78	74	80	73			
08-20-2001	76	58	67		94	55	77	72	81	70			
08-21-2001	81	56	68		93	43	77	70	84	70			
08-22-2001	87	62	74		87	57	77	72	82	73			
08-23-2001	90	68	79	0.46	94	51	80	74	85	76			
08-24-2001	85	64	74		96	63	79	74	84	74			
08-25-2001	88	66	77	0.15	94	53	80	75	85	74			
08-26-2001	88	69	78	0.15	94	51	81	76	83	76			
08-27-2001	80	67	74		95	70	79	76	81	75			
08-28-2001	83	65	74		96	52	79	74	82	73			
08-29-2001	83	66	74	1.36	93	66	76	64	78	64			
08-30-2001	86	66	76		95	58	65	64	65	64			
08-31-2001	E	75	70	72	0.25	93	82	77	64	77	64		

	AIR TEMP			TOTAL PRECIP	RH	SOIL TEMP					
	MX	MN	AV			MX	MN	GRASS	BARE	MX	EVAP
Deviation	85	66	76	4.75	93	57	80	75	84	74	
	+1	+4	+2	+0.82							

"E" indicates data estimated by NWS.

**II. B. APRIL CLIMATOLOGICAL DATA, PRINCETON**

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
04-01-2001	57	32	44		100	36	53	51			
04-02-2001	60	46	53	T	100	60	54	50			
04-03-2001	68	50	59	1.02	100	78	54	50			
04-04-2001	73	52	62	0.08	100	48	56	52			
04-05-2001	77	51	64		100	72	60	56			
04-06-2001	80	65	72		100	68	60	58			
04-07-2001	86	72	79		100	50	66	60			
04-08-2001	82	72	77		98	52	67	65			
04-09-2001	85	72	78		100	50	68	66			
04-10-2001	86	68	77	T	100	50	70	68			
04-11-2001	86	74	80	T	94	50	70	68			
04-12-2001	85	63	74	0.19	100	40	72	68			
04-13-2001	78	55	66		100	44	74	66			
04-14-2001	76	49	62		100	58	70	66			
04-15-2001	72	57	64	0.36	100	60	67	65			
04-16-2001	70	43	56		100	42	68	62			
04-17-2001	58	35	46		90	50	66	60			
04-18-2001	60	27	44		100	34	68	60			
04-19-2001	72	39	56		80	42	60	55			
04-20-2001	72	56	64	0.02	90	76	58	54			
04-21-2001	78	64	71	T	100	70	64	58			
04-22-2001	83	63	73		98	46	68	62			
04-23-2001	80	62	71	0.37	100	40	68	64			
04-24-2001	66	40	53	0.12	100	40	68	60			
04-25-2001	68	35	52		100	50	68	58			
04-26-2001	76	38	57		100	40	68	60			
04-27-2001	85	50	68		100	38	70	65			
04-28-2001	86	55	70		100	40	73	60			
04-29-2001	83	52	68		100	32	75	64			
04-30-2001	86	56	71		100	40	75	68			

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
	76	53	64	2.16	98	50	66	61			
	+5	+7	+6	-2.64							

"T" indicates Trace amount of Precip (too small to measure).

## II. B. MAY CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
05-01-2001	84	60	72		T	100	64	76	70		
05-02-2001	84	58	71			100	52	76	60		
05-03-2001	83	55	69			100	48	74	66		
05-04-2001	85	42	64			100	46	76	70		
05-05-2001	85	58	72			100	50	75	66		
05-06-2001	84	61	72			98	52	75	70		
05-07-2001	80	60	70	0.04		100	68	75	68		
05-08-2001	78	58	68	0.47		100	50	76	70		
05-09-2001	82	50	66			100	50	76	70		
05-10-2001	84	55	70			100	60	76	72		
05-11-2001	84	64	74		T	100	50	77	72		
05-12-2001	84	60	72			100	40	78	70		
05-13-2001	75	48	62			94	44	77	68		
05-14-2001	83	55	69			100	50	78	70		
05-15-2001	89	47	68			100	40	76	68		
05-16-2001	89	65	77			98	58	77	71		
05-17-2001	88	61	74			100	60	77	72		
05-18-2001	88	70	79			100	44	77	73		
05-19-2001	88	68	78		T	100	50	78	72		
05-20-2001	83	62	72			100	70	78	74		
05-21-2001	84	63	74	0.40		100	50	78	76		
05-22-2001	75	52	64	0.47		100	50	78	72		
05-23-2001	73	50	62	0.02		100	54	78	70		
05-24-2001	72	53	62	0.51		100	60	78	72		
05-25-2001	70	45	58		T	100	50	78	68		
05-26-2001	77	55	66			100	50	68	64		
05-27-2001	81	67	74			98	54	73	67		
05-28-2001	80	55	68			100	50	74	68		
05-29-2001	79	55	67			100	48	76	68		
05-30-2001	79	55	67			100	64	77	70		
05-31-2001	79	61	70	0.55		100	82	72	69		

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
Deviation	82	57	69	2.46	100	53	76	70			
	+1	+1	+1	-2.50							

"T" indicates Trace amount of Precip (too small to measure).

## II. B. JUNE CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
06-01-2001	78	55	66	0.28	100	70	73	70			
06-02-2001	76	57	66	0.21	100	54	74	72			
06-03-2001	75	51	63	0.33	100	84	74	72			
06-04-2001	85	59	72	0.65	100	88	72	68			
06-05-2001	86	66	76		100	80	76	70			
06-06-2001	85	68	76	1.95	100	80	76	70			
06-07-2001	86	65	76	0.11	100	90	75	68			
06-08-2001	82	64	73		100	70	79	74			
06-09-2001	80	58	69		100	60	78	74			
06-10-2001	83	56	70		100	54	79	75			
06-11-2001	90	61	76		100	50	80	74			
06-12-2001	90	65	78		100	70	82	76			
06-13-2001	92	67	80		100	60	83	76			
06-14-2001	92	72	82		100	60	84	78			
06-15-2001	90	72	81	0.05	100	70	84	76			
06-16-2001	87	56	72	T	100	60	86	78			
06-17-2001	92	61	76		98	52	84	76			
06-18-2001	93	65	79		100	50	86	78			
06-19-2001	94	66	80		100	58	85	77			
06-20-2001	82	68	75	0.33	100	74	85	82			
06-21-2001	86	67	76	0.45	100	76	84	78			
06-22-2001	78	58	68	0.20	100	66	80	74			
06-23-2001	80	55	68		100	58	86	80			
06-24-2001	82	58	70		100	54	82	74			
06-25-2001	84	60	72		100	50	82	76			
06-26-2001	85	60	72	T	98	56	84	78			
06-27-2001	85	62	74	T	100	62	86	80			
06-28-2001	86	60	73	0.18	100	70	86	78			
06-29-2001	87	64	76	T	100	80	86	80			
06-30-2001	86	64	75	0.06	100	100	84	80			

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
	85	62	74	4.80	100	67	81	75			
	-2	-1	-2	+0.95							

"T" indicates Trace amount of Precip (too small to measure).

## II. B. JULY CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP			
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN
07-01-2001	88	69	78		100	72	83	75		
07-02-2001	88	63	76		100	78	83	76		
07-03-2001	93	65	79		100	70	86	80		
07-04-2001	91	78	84		100	62	86	78		
07-05-2001	86	68	77	0.37	100	78	86	80		
07-06-2001	89	60	74		100	48	86	78		
07-07-2001	95	60	78		100	72	86	79		
07-08-2001	97	77	87		100	62	86	81		
07-09-2001	96	75	86	0.07	100	60	86	81		
07-10-2001	95	72	84		100	68	88	82		
07-11-2001	93	73	83		100	60	88	84		
07-12-2001	88	60	74		100	62	88	78		
07-13-2001	85	60	72		100	48	88	82		
07-14-2001	88	59	74		100	40	86	80		
07-15-2001	90	55	72		98	38	86	78		
07-16-2001	93	61	77		100	42	88	78		
07-17-2001	93	72	82		100	60	85	80		
07-18-2001	94	75	84		100	50	88	82		
07-19-2001	90	70	80	0.78	100	70	86	78		
07-20-2001	86	72	79	0.56	100	40	86	80		
07-21-2001	94	72	83		100	60	88	80		
07-22-2001	93	73	83		100	72	87	80		
07-23-2001	94	75	84		100	70	87	83		
07-24-2001	94	72	83	0.94	100	86	87	82		
07-25-2001	91	72	82	0.06	100	84	85	82		
07-26-2001	90	74	82	0.95	100	98	84	82		
07-27-2001	87	73	80	1.01	100	86	83	81		
07-28-2001	88	73	80	0.69	100	100	83	81		
07-29-2001	88	76	82	0.03	100	82	85	83		
07-30-2001	94	73	84		100	70	86	82		
07-31-2001	95	72	84		100	68	86	80		

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
	90	69	80	9.42	100	69	85	80			
	+2	+4	+3	+1.12							

"T" indicates Trace amount of Precip (too small to measure).

**II. B. AUGUST CLIMATOLOGICAL DATA, PRINCETON**

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
08-01-2001	95	72	84		100	68	86	84			
08-02-2001	94	70	82		100	68	86	82			
08-03-2001	93	75	84	T	100	76	86	82			
08-04-2001	91	72	82	0.43	100	68	88	84			
08-05-2001	89	69	79		100	68	88	82			
08-06-2001	92	71	82		100	66	88	84			
08-07-2001	92	74	83		100	80	88	82			
08-08-2001	91	76	84	0.04	100	80	88	82			
08-09-2001	93	76	84		100	86	87	82			
08-10-2001	93	72	82	0.36	100	92	86	80			
08-11-2001	88	71	80	0.46	100	72	86	80			
08-12-2001	87	71	79		100	80	87	82			
08-13-2001	88	68	78		100	58	85	82			
08-14-2001	87	64	76		100	66	85	81			
08-15-2001	87	60	74		100	60	83	77			
08-16-2001	87	69	78		100	82	82	80			
08-17-2001	86	60	73		100	60	81	77			
08-18-2001	88	70	79		100	68	80	78			
08-19-2001	82	65	74	0.90	100	66	82	78			
08-20-2001	84	58	71		100	60	81	76			
08-21-2001	86	68	77		100	68	81	74			
08-22-2001	94	70	82		100	70	82	76			
08-23-2001	95	65	80		100	70	86	74			
08-24-2001	92	72	82	0.68	100	80	84	76			
08-25-2001	94	74	84		100	68	84	76			
08-26-2001	90	74	82		100	70	86	74			
08-27-2001	86	68	77	0.11	100	70	84	78			
08-28-2001	90	65	78		100	68	86	78			
08-29-2001	92	68	80	0.09	100	80	86	76			
08-30-2001	89	72	80		100	58	86	78			
08-31-2001	80	68	74	0.89	100	80	82	78			

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
	90	69	79	3.96	100	71	85	79			
Deviation	+2	+5	+4	-0.05							

"T" indicates Trace amount of Precip (too small to measure).

### III. HERBICIDES IN REPORT

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
AATREX	ATRAZINE	SYNGENTA
ACCENT	NICOSULFURON	DUPONT
ACCENT GOLD	NICOSULFURON + COLPYRALID + FLUMETSULAM + RIMISULFURON	DUPONT
AE F130360	CARFENTRAZONE	AVENTIS
AIM	AMMONIUM SULFATE	FMC
AMS	QUIZALOFOPO	CLEAN CROP
ASSURE II	SULFENTRAZONE	DUPONT
AUTHORITY	THIAFLUAMIDE + METRIBUZIN	FMC
AXIOM	FLUFENACET + METRIBUZIN + ATRAZINE	BAYER
AXIOM AT	GLYPHOSATE + IMAZAQUIN	BAYER
BACKDRAFT	ISOXAFLUTOLE	BASF
BALANCE	ISOXAFLUTOLE	AVENTIS
BALANCE PRO	DICAMBA (DIMETHYLAMINE SALT)	AVENTIS
BANVEL	BENTAZON	BASF
BASAGRAN	RIMSULFURON + THIFENSULFURON	BASF
BASIS	RIMSULFURON + NICOSULFURON + ATRAZINE	DUPONT
BASIS GOLD	PRIMISULFURON	DUPONT
BEACON	S-METOLACHLOR + ATRAZINE + BENOXA COR	SYNGENTA
BICEP LITE II MAGNUM	S-METOLACHLOR + ATRAZINE + BENOXA COR	SYNGENTA
BICEP II MAGNUM	S-METOLACHLOR + METRIBUZIN	SYNGENTA
BOUNDRY	BROMOXYNIL	AVENTIS
BUCTRIL	MESOTRIONE	SYNGENTA
CALLISTO	CHLORIMURON + SULFENTRAZONE (1:5 RATIO)	DUPONT
CANOPY XL	DIFLUFENZOPYR/SODIUM SALT OF 3,6 O-ANISIC ACID	BASF
CELEBRITY PLUS	DICAMBA (DIGLYCOLAMINE SALT) + NICOSULFURON	BASF
CLARITY	DICAMBA (DIGLYCOLAMINE SALT)	BASF
CLASSIC	CHLORIMURON	DUPONT
COBRA	LACTOFEN	VALENT
COMMAND	CLOMAZONE	FMC
COMMAND XTRA	CLOMAZONE+SULFENTRAZONE	FMC
CONCLUDE XACT	BENTAZON + ACIFLUORFEN + SETHOXYDIM	BASF
CROP OIL CONCENTRATE (COC)	FLUFENACET	LOVELAND
DEFINE	ACETOCHLOR	BAYER
DEGREE	ACETOCHLOR + ATRAZINE	MONSANTO
DEGREE XTRA	FLUFENACET + METRIBUZIN	MONSANTO
DOMAIN	DIFLUFENZOPYR/SODIUM SALT OF 3,6 O-ANISIC ACID	BAYER
DISTINCT		BASF

### III. HERBICIDES IN REPORT CONTINUED

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
DUAL II MAGNUM	S-METOLACHLOR + BENOxacor	SYNGENTA
EPIC	FLUFEMACET + ISOXAFLUTOLE	BAYER
EXCEED	PROSULFURON + PRIMISULFURON	SYNGENTA
EXTREME	GLYPHOSATE + IMAZETHAPYR	BASF
FIRSTRATE	CLORANSULAM	DOW
FLEXSTAR HL	FOMESAFEN + SURFACTANT	SYNGENTA
FRONTROW	CLORANSULAM + FLUMETSULAM	DOW Agrosciences
FRONTIER	DIMETHENAMID	BASF
FULTIME	ACETOCHLOR + ATRAZINE + SAFENER	SYNGENTA
FUSION	FLUAZIFOP-P-BUTYL + FENOXPAPROP-P-ETHYL	SYNGENTA
GAUNTLET	CLORANSULAM + SULFENTRAZONE	FMC
GRAMOXONE MAX	PARAQUAT	SYNGENTA
GLYPHOMAX	GLYPHOSATE	DOW Agrosciences
GLYPHOMAX PLUS	GLYPHOSATE	DOW Agrosciences
GUARDSMAN	DIMETHENAMID + ATRAZINE	BASF
GUARDSMAN MAX	DIMETHENAMID-P + ATRAZINE	BASF
HARNESS	ACETOCHLOR + SAFENER	MONSANTO
HARNESS XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
HARMONY GT	THIFENSULFURON	DUPONT
HORNET	FLUMETSULAM + CLOPYRALID	DOW AgroSciences
LEADOFF	DIMETHENAMID + ATRAZINE	DUPONT
LIBERTY	GLUFOSINATE	AVENTIS
LIBERTY ATZ	GLUFOSINATE + ATRAZINE	AVENTIS
LIGHTNING	IMAZETHAPYR + IMAZAPYR	BASF
LIQUID N	28% NITROGEN	
LIQUID 10	SURFACTANT	AVENTIS
MARKSMAN	DICAMBA + ATRAZINE (2.1 + 1.1)	BASF
MESOTRIONE	MESOTRIONE	SYNGENTA
MON 12075	HALOSULFURON + DICAMBA	MONSANTO
MSO	METHYLATED SEED OIL	LOVELAND
NORTHSTAR	DICAMBA + PRIMISULFURON	SYNGENTA
OUTLOOK	DIMETHENAMID-P	BASF
PERMIT	HALOSULFURON	MONSANTO
PHOENIX	V-10086	VALENT
POAST	SETHOXYDIM	BASF
POAST PLUS	SETHOXYDIM	BASF
PRINCEP	SIMAZINE	SYNGENTA
PROWL	PENDIMETHALIN	BASF
PRO-X	UREA + DISPERSING AGENT	PRO SERVICES, INC

### III. HERBICIDES IN REPORT CONTINUED

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
PURSUIT	IMAZETHAPYR	BASF
PYTHON	FLUMETSULAM	DOW AgroSciences
READYMASTER ATZ	ATRAZINE + GLYPHOSATE	MONSANTO
RAPTOR	IMAZAMOX	BASF
ROUNDUP ULTRAMAX	GLYPHOSATE + ADJUVANT	MONSANTO
S 3153	FLUFENPYR-ETHYL	VALENT
SCEPTER	IMAZAQUIN	BASF
SELECT	CLETHODIM	VALENT
SENCOR	METRIBUZIN	BAYER
SPARTAN	SULFENTRAZONE	FMC
SPIRIT	PRIMISULFURON + PROSULFURON	SYNGENTA
SPREADER HF	NON-IONIC SURFACTANT	LOVELAND
SQUADRON	PENDIMETHALIN + IMAZAQUIN	BASF
STEADFAST	NICOSULFURON + PROSULFURON	DUPONT
STEEL	IMAZAQUIN + IMAZETHAPYR + PENDIMETHALIN	BASF
STORM	BENTAZON + ACIFLUORFEN	BASF
STRONGARM	DICLOSULAM	DOW AgroSciences
TOPNOTCH	ACETOCHLOR + SAFENER	SYNGENTA
TOUCHDOWN IQ	SULFOSATE	SYNGENTA
TOUGH	PYRIDATE	SYNGENTA
ULTRA BLAZER	BENTAZON	BASF
VALOR	FLUMIOXAZIN (V-53482)	VALENT
V-10078		VALENT
V-10080		VALENT
WEEDONE LV4	2,4-D ESTER	AVENTIS
WEEDMASTER	DICAMBA (DIMETHYLAMINE SALT) + 2,4-D	BASF

09-18-01 (C1001)

AOV Means Table Page 1 of 3

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

## CORN PREEMERGENCE

Trial ID: C1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	SETFA				XANST				IPOSS				SETFA				XANST				IPOSS			
		ZEAMX		INJURY		CONTROL		ZEAMX		INJURY		CONTROL		ZEAMX		INJURY		CONTROL		ZEAMX		INJURY		CONTROL	
Rating Data Type	Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Trt-Eval Interval	06-05-01	06-05-01	06-05-01	06-05-01	06-19-01	06-19-01	06-19-01	06-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	
ARM Action Codes	# Subsamples, Dec.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg																				
1 BICEP II MAGNUM	5.5 L	2.88	LB	A/A	PRE	0	90	47	62	0	90	45	58	0	90	45	50								
2 BICEP II MAGNUM	5.5 L	2.88	LB	A/A	PRE	0	97	88	87	0	92	88	87	0	92	88	87								
2 EXCEED	57 DF	0.036	LB	A/A	12C																				
2 COC	L	1	QT/A		12C																				
2 LIQUID N	L	1	QT/A		12C																				
3 DEGREE XTRA	4.04 CS	3.03	LB	A/A	PRE	0	92	62	73	0	90	62	65	0	90	62	65								
4 DEGREE XTRA	4.04 CS	3.03	LB	A/A	PRE	0	97	88	88	0	92	88	88	0	92	88	88								
4 EXCEED	57 DF	0.036	LB	A/A	12C																				
4 COC	L	1	QT/A		12C																				
4 LIQUID N	L	1	QT/A		12C																				
5 HARNESS XTRA	5.6 EC	3.36	LB	A/A	PRE	0	92	57	55	0	92	55	55	0	92	55	55								
6 HARNESS XTRA	5.6 EC	3.36	LB	A/A	PRE	0	98	90	85	0	98	90	85	0	95	90	85								
6 EXCEED	57 DF	0.036	LB	A/A	12C																				
6 COC	L	1	QT/A		12C																				
6 LIQUID N	L	1	QT/A		12C																				
7 DEFINE	60 DF	0.3	LB	A/A	PRE	5	98	95	98	0	93	95	95	0	90	88	88								
7 BUCTRIL	2 EC	0.25	LB	A/A	12C																				
7 AATREX	4 F	0.5	LB	A/A	12C																				
8 DEFINE	60 DF	0.45	LB	A/A	PRE	5	97	92	93	0	93	87	90	0	93	87	90								
8 BUCTRIL	2 EC	0.25	LB	A/A	12C																				
8 AATREX	4 F	0.5	LB	A/A	12C																				
9 DEFINE	60 DF	0.525	LB	A/A	PRE	5	97	95	98	0	93	90	93	0	93	85	93								
9 BUCTRIL	2 EC	0.25	LB	A/A	12C																				
9 AATREX	4 F	0.5	LB	A/A	12C																				
10 DEFINE	60 DF	0.675	LB	A/A	PRE	5	100	92	98	0	98	90	97	0	95	90	95								
10 BUCTRIL	2 EC	0.25	LB	A/A	12C																				
10 AATREX	4 F	0.5	LB	A/A	12C																				

09-18-01 (C1001)

AOV Means Table Page 2 of 3

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

## CORN PREEMERGENCE

Trial ID: C1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

		SETFA				XANST				IPOSS				SETFA				XANST				IPOSS				SETFA			
		ZEAMX				ZEAMX				ZEAMX				ZEAMX				ZEAMX				ZEAMX				ZEAMX			
		INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY															
		PERCENT																											
		06-05-01	06-05-01	06-05-01	06-05-01	06-19-01	06-19-01	06-19-01	06-19-01	06-19-01	06-19-01	06-19-01	06-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01
		2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	8 WEEK																						
		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	5	98	97	97	0	95	85	93	0	95	85	93	5	100	93	97	0	95	87	95	0	95	87	95
11 DUAL II MAGNUM	7.6 EC	1.05 LB	A/A	PRE																									
11 BUCTRIL	2 EC	0.25 LB	A/A	12C																									
11 AATREX	4 F	0.5 LB	A/A	12C																									
12 DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE																									
12 BUCTRIL	2 EC	0.25 LB	A/A	12C																									
12 AATREX	4 F	0.5 LB	A/A	12C																									
13 GUARDSMAN	5 E	3.125 LB	A/A	PRE																									
14 GUARDSMAN	5 E	2.5 LB	A/A	PRE																									
14 PROWL	3.3 EC	0.74 LB	A/A	PRE																									
15 GUARDSMAN MAX	5 E	2.5 LB	A/A	PRE																									
16 GUARDSMAN MAX	5 E	2 LB	A/A	PRE																									
16 PROWL	3.3 EC	0.74 LB	A/A	PRE																									
17 AXIOM	68 DF	0.72 LB	A/A	PRE																									
17 AATREX	4 F	1.5 LB	A/A	PRE																									
18 AXIOM	68 DF	0.72 LB	A/A	PRE																									
18 AATREX	4 F	2 LB	A/A	PRE																									
19 EPIC	58 DF	0.4 LB	A/A	PRE																									
19 AATREX	4 F	1.5 LB	A/A	PRE																									
20 EPIC	58 DF	0.4 LB	A/A	PRE																									
20 AATREX	4 F	2 LB	A/A	PRE																									
21 EPIC	58 DF	0.29 LB	A/A	PRE																									
21 DEFINE	60 DF	0.34 LB	A/A	PRE																									
21 AATREX	4 F	1.5 LB	A/A	PRE																									
22 EPIC	58 DF	0.29 LB	A/A	PRE																									
22 DEFINE	60 DF	0.34 LB	A/A	PRE																									
22 AATREX	4 F	2 LB	A/A	PRE																									

09-18-01 (C1001)

AOV Means Table Page 3 of 3

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

## CORN PREEMERGENCE

Trial ID: C1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Tst-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA		XANST		IPOSS			SETFA		XANST		IPOSS			SETFA		XANST		IPOSS		
	ZEAMX							ZEAMX							ZEAMX						
	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL		INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL		INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
	06-05-01	06-05-01	06-05-01	06-05-01	06-19-01	06-19-01		06-19-01	06-19-01	06-19-01	06-19-01	07-19-01	07-19-01		07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	07-19-01	
	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK		4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK		8 WEEK						
	P	P	P	P	P	P		P	P	P	P	P	P		P	P	P	P	P	P	
	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0	
Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg																
23 DEFINE	60 DF	0.56 LB	A/A	PRE		0	92	60	73	0	92	57	73	0	92	57	73	0	92	57	73
23 AATREX	4 F	1.5 LB	A/A	PRE																	
24 DEFINE	60 DF	0.56 LB	A/A	PRE		0	93	58	83	0	93	58	83	0	93	58	83	0	93	58	83
24 AATREX	4 F	2 LB	A/A	PRE																	
25 LIBERTY	1.67 E	0.31 LB	A/A	LP		0	93	90	90	0	88	85	90	0	88	83	90	0	88	83	90
25 AMS	100 SG	2.5 LB	A/A	LP																	
25 WEED MAK																					
26 LIBERTY ATZ	4.3 F	1.29 LB	A/A	LP		0	80	92	85	0	77	87	85	0	77	87	85	0	77	87	85
26 WEED MAK																					
27 LIBERTY	1.67 E	0.31 LB	A/A	LP		0	90	93	92	0	87	90	92	0	87	90	92	0	87	90	92
27 DEFINE	60 DF	0.34 LB	A/A	LP																	
27 AATREX	4 F	1.25 LB	A/A	LP																	
27 WEED MAK																					
28 CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	5.7	21.7	14.0	0.0	4.8	20.5	13.6	0.0	4.3	20.6	13.5				
Standard Deviation						0.0	3.5	13.3	8.6	0.0	2.9	12.5	8.3	0.0	2.6	12.6	8.3				
CV						0.0	3.86	20.31	11.19	0.0	3.31	19.84	11.03	0.0	3.02	20.11	11.04				

09-18-01 (C1001)

Site Description Page 1 of 3

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

CORN PREEMERGENCE

Trial ID: C1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON      **Trial Status:** COMPLETE  
**State/Prov.:** KENTUCKY  
**Postal Code:** 40546      **Initiation Date:** 04-25-01  
**Country:** USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	XANST COCKLEBUR, COMMON	XANTHUM STRUMARIUM L. SSP. STRUMARIUM
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD      **Variety:** PIONEER 33G28

**Planting Date:** 04-25-01      **Planting Method:** ROW

**Rate:** 28000 S/A      **Depth:** 1.5 IN

**Row Spacing:** 30 IN      **Seed Bed:** MEDIUM

**Soil Temperature:** 60 F      **Soil Moisture:** NORMAL      **Emergence Date:** 05-04-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT      **Plot Length, Unit:** 44 FT      **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL      **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.5	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.4	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** SPINDLETOP      **Distance:** 1.4      **Unit:** MI

09-18-01 (C1001)

Site Description Page 2 of 3

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

#### CORN PREEMERGENCE

Trial ID: C1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## **APPLICATION DESCRIPTION**

	A	B	C
<b>Application Date:</b>	04-25-01	05-22-01	05-25-01
<b>Time of Day:</b>	10:30	2:00	1:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	12C	LP
<b>Applic. Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	48 F	59 F	56 F
<b>% Relative Humidity:</b>	55	68	70
<b>Wind Velocity, Unit:</b>	3 MPH	5 MPH	.3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	60 F	69 F	63 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	20	20	20

**CROP STAGE AT EACH APPLICATION**

A	B	C
Crop 1 Code, Stage: ZEAMX PRE	ZEAMX 12C	ZEAMX IFN
Height, Unit:	12 IN	18 IN

**WEED STAGE AT EACH APPLICATION**

<b>A</b>	<b>B</b>	<b>C</b>
<b>Weed 1 Code, Stage:</b> SETFA PRE	SETFA 12C	SETFA IFN
<b>Stage Scale:</b>	2LF	3LF
<b>Density, Unit:</b>	2 IN	4 IN
<b>Weed 2 Code, Stage:</b> XANST PRE	XANST 12C	XANST IFN
<b>Stage Scale:</b>	5LF	6LF
<b>Density, Unit:</b>	4 IN	6 IN
<b>Weed 3 Code, Stage:</b> IPOSS PRE	IPOSS 12C	IPOSS IFN
<b>Stage Scale:</b>	4LF	6LF
<b>Density, Unit:</b>	2 IN	4 IN

09-18-01 (C1001)

Site Description Page 3 of 3

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

CORN PREEMERGENCE

Trial ID: C1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	A	B	C
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2

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

## CORN PREEMERGENCE II

Trial ID: C1002

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	SETFA INJURY PERCENT 2 WEEK P 0	AMBTR CONTROL PERCENT 2 WEEK P 0	CHEAL CONTROL PERCENT 2 WEEK P 0	IPOSS CONTROL PERCENT 2 WEEK P 0	SETFA INJURY PERCENT 2 WEEK P 0	AMBTR CONTROL PERCENT 4 WEEK P 0	CHEAL CONTROL PERCENT 4 WEEK P 0	IPOSS CONTROL PERCENT 4 WEEK P 0
Trt Treatment No. Name	Form Form Conc Type	Rate Rate	Grow Unit	Stg				
1 BALANCE PRO	4 SC	0.07 LB	A/A	PRE	0	80	48	40
2 CALLISTO	4 SC	0.140 LB	A/A	PRE	0	75	50	43
3 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	75	43	42
4 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	72	58	62
5 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	78	55	60
5 AATREX	4 F	1.5 LB	A/A	PRE				
6 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	52	33	37
6 AATREX	4 F	1.5 LB	A/A	PRE				
7 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	77	65	53
7 DEFINE	60 DF	0.45 LB	A/A	PRE				
8 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	80	55	58
8 TOPNOTCH	3.2 CS	1.6 LB	A/A	PRE				
9 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	85	67	65
9 DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE				
10 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	87	77	87
10 DEFINE	60 DF	0.45 LB	A/A	PRE				
10 AATREX	4 F	1.5 LB	A/A	PRE				
11 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	77	57	62
11 DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE				
11 AATREX	4 F	1.5 LB	A/A	PRE				
12 BICEP II MAGNUM	5.5 L	2.88 LB	A/A	PRE	0	67	67	63
13 BICEP II MAGNUM	5.5 L	2.88 LB	A/A	PRE	0	82	63	67
13 EXCEED	57 DF	0.036 LB	A/A	IFN				
13 COC	L	1 QT/A		IFN				
14 CHECK UNTREATED					0	0	0	0
					0	0	0	0
					0	0	0	0
					0	0	0	0

09-18-01 (C1002)

AOV Means Table Page 2 of 2

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

## CORN PREEMERGENCE II

Trial ID: C1002

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	AMBTR	CHEAL	IPOSS		SETFA	AMBTR	CHEAL	IPOSS				
ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
	PERCENT												
	2 WEEK	4 WEEK											
	P	P	P	P	P	P	P	P	P	P	P	P	P
	0	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment	Form Form	Rate	Grow	
No. Name	Conc Type	Rate	Unit	Stg

LSD (P=.05)	0.0	24.6	23.9	24.0	20.4	0.0	20.9	19.7	17.4	10.9
Standard Deviation	0.0	14.7	14.2	14.3	12.1	0.0	12.5	11.7	10.4	6.5
CV	0.0	20.83	26.96	27.16	25.2	0.0	21.73	24.91	21.78	14.73

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

## CORN PREEMERGENCE II

Trial ID: C1002                      Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY.              Investigator: Charles Slack

Weed Code	SETFA	AMTR	CHEAL	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 BALANCE PRO	4 SC	0.07 LB	A/A	PRE	0	53	32	35	48
2 CALLISTO	4 SC	0.140 LB	A/A	PRE	0	52	33	37	37
3 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	65	35	33	43
4 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	43	53	55	40
5 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	63	55	55	47
5 AATREX	4 F	1.5 LB	A/A	PRE					
6 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	55	48	52	47
6 AATREX	4 F	1.5 LB	A/A	PRE					
7 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	68	48	43	40
7 DEFINE	60 DF	0.45 LB	A/A	PRE					
8 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	60	43	47	40
8 TOPNOTCH	3.2 CS	1.6 LB	A/A	PRE					
9 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	68	52	48	40
9 DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE					
10 BALANCE PRO	4 SC	0.094 LB	A/A	PRE	0	83	78	80	75
10 DEFINE	60 DF	0.45 LB	A/A	PRE					
10 AATREX	4 F	1.5 LB	A/A	PRE					
11 CALLISTO	4 SC	0.195 LB	A/A	PRE	0	68	47	50	47
11 DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE					
11 AATREX	4 F	1.5 LB	A/A	PRE					
12 BICEP II MAGNUM	5.5 L	2.88 LB	A/A	PRE	0	60	52	52	45
13 BICEP II MAGNUM	5.5 L	2.88 LB	A/A	PRE	0	88	87	87	85
13 EXCEED	57 DF	0.036 LB	A/A	IFN					
13 COC	L	1 QT/A		IFN					
14 CHECK UNTREATED					0	0	0	0	0

09-18-01 (C1002)

AOV Means Table Page 2 of 2

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

## CORN PREEMERGENCE II

Trial ID: C1002

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA AMBTR CHEAL IPOSS

Crop Code

ZEAMX

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

ARM Action Codes

P P P P P

# Subsamples, Dec.

0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
---------------------------	-----------	-----------	-----------	-----------	-----

LSD (P=.05)

0.0 22.6 19.9 18.1 12.0

Standard Deviation

0.0 13.5 11.8 10.8 7.1

CV

0.0 22.74 24.98 22.48 15.75

09-18-01 (C1002)

Site Description Page 1 of 3

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

CORN PREEMERGENCE II

Trial ID: C1002 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KENTUCKY  
Postal Code: 40546 Initiation Date: 04-25-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: ZEAMX CORN, FIELD      Variety: PIONEER 33G28

Planting Date: 04-25-01      Planting Method: ROW

Rate: 28000 S/A      Depth: 1.5 IN

Row Spacing: 30 IN      Seed Bed: MEDIUM

Soil Temperature: 59 F      Soil Moisture: NORMAL      Emergence Date: 05-02-01

#### SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand:	6	% OM:	2.6	Texture:	SILT LOAM
% Silt:	64	pH:	6.5	Soil Name:	MAURY
% Clay:	30	CEC:	17	Fert. Level:	EXCELLENT

09-18-01 (C1002)

Site Description Page 2 of 3

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

CORN PREEMERGENCE II

Trial ID: C1002                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5        Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-26-01	06-05-01
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	IFN
Applie. Placement:	BROSOI	BROFOL
Air Temp., Unit:	52 F	72 F
% Relative Humidity:	55	79
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	59 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX IFN
Height, Unit:	18	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA IFN
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR IFN
Stage Scale:		8LF
Density, Unit:		6 IN
Weed 3 Code, Stage:	CHEAL PRE	CHEAL IFN
Stage Scale:		4LF
Density, Unit:		3 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS IFN
Stage Scale:		4LF
Density, Unit:		3 IN

09-18-01 (C1002)

Site Description Page 3 of 3

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

CORN PREEMERGENCE II

Trial ID: C1002                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

**APPLICATION EQUIPMENT**

**A                    B**

<b>Appl. Equipment:</b>	ATV	BACKPACK		
<b>Operating Pressure:</b>	30	30		
<b>Nozzle Type:</b>	FLAT	FAN	FLAT	FAN
<b>Nozzle Size:</b>	8004	DG	8004	DG
<b>Nozzle Spacing, Unit:</b>	20	IN	20	IN
<b>Boom Length, Unit:</b>	5	FT	5	FT
<b>Boom Height, Unit:</b>	19	IN	20	IN
<b>Ground Speed, Unit:</b>	4	MPH	3.5	MPH
<b>Carrier:</b>	WATER	WATER		
<b>Spray Volume, Unit:</b>	24	GPA	24	GPA
<b>Propellant:</b>	CO2	CO2		

09-24-01 (C1050)

AOV Means Table Page 1 of 2

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

## CORN PREEMERGENCE III

Trial ID: C1050      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	INJURY	INJURY	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	
				Unit		
1	CHECK UNTREATED				1	0 0 0
2	BICEP II MAGNUM	5.5 L	2.88 LB	A/A PRE	0	0 0 0
3	BICEP II MAGNUM	5.5 L	8.64 LB	A/A PRE	0	0 0 0
4	BICEP LITE II MAGNUM	6 SL	2.25 LB	A/A PRE	0	0 0 0
5	BICEP LITE II MAGNUM	6 SL	6.75 LB	A/A PRE	0	0 0 0
6	FULTIME	4 CS	2.75 LB	A/A PRE	0	0 0 0
7	FULTIME	4 CS	8.25 LB	A/A PRE	0	0 0 0
8	HARNESS XTRA	5.6 EC	2.8 LB	A/A PRE	0	0 0 0
9	HARNESS XTRA	5.6 EC	8.4 LB	A/A PRE	5	1 0 0
10	HARNESS XTRA	6 SL	2.7 LB	A/A PRE	0	0 0 0
11	HARNESS XTRA	6 SL	8.1 LB	A/A PRE	1	0 0 0
12	AXIOM AT	75 WG	1.97 LB	A/A PRE	0	0 0 0
13	AXIOM AT	75 WG	5.91 LB	A/A PRE	4	1 0 0
14	GUARDSMAN	5 E	2.5 LB	A/A PRE	0	0 0 0
15	GUARDSMAN	5 E	7.5 LB	A/A PRE	1	0 0 0
16	DEGREE XTRA	4.04 CS	3 LB	A/A PRE	0	0 0 0
17	DEGREE XTRA	4.04 CS	9 LB	A/A PRE	0	0 0 0
18	EPIC	58 DF	0.36 LB	A/A PRE	3	1 0 0
19	EPIC	58 DF	1.08 LB	A/A PRE	14	16 4

09-24-01 (C1050)

AOV Means Table Page 2 of 2

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

CORN PREEMERGENCE III

Trial ID: C1050                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

Crop Code                            ZEAMX    ZEAMX    ZEAMX  
Rating Data Type                  INJURY    INJURY    INJURY  
Rating Unit                        PERCENT    PERCENT    PERCENT  
Trt-Eval Interval                2   WEEK 4   WEEK 8   WEEK  
ARM Action Codes                 P            P            P  
# Subsamples, Dec.                0            0            0

---

Trt Treatment	Form	Form	Rate	Grow	
No. Name	Conc	Type	Rate	Unit	Stg

---

LSD (P=.05)                        3.0        3.9        1.6  
Standard Deviation                2.1        2.7        1.1  
CV                                    142.01    258.98   556.44

09-24-01 (C1050)

Site Description Page 1 of 2

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

CORN PREEMERGENCE III

Trial ID: C1050 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON      **Trial Status:** COMPLETE  
**State/Prov.:** KY  
**Postal Code:** 40511      **Initiation Date:** 04-24-01  
**Country:** USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

**Crop 1:** ZEAMX CORN, FIELD

**Variety:** ASGROW RX738RR

**Planting Date:** 04-24-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 63 F

**Soil Moisture:** NORMAL

**Emergence Date:** 05-02-01

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT      **Plot Length, Unit:** 33 FT      **Reps:** 4

**Site Type:** FIELD

**Study Design:** RANDOMIZED COMPLETE BLOCK

**Tillage Type:** CONVENTIONAL

**SOIL DESCRIPTION**

**% Sand:** 6      **% OM:** 2.6      **Texture:** SILT LOAM  
**% Silt:** 64      **pH:** 6.4      **Soil Name:** MAURY  
**% Clay:** 30      **CEC:** 17      **Fert. Level:** EXCELLENT

09-24-01 (C1050)

Site Description Page 2 of 2

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

CORN PREEMERGENCE III

Trial ID: C1050 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION DESCRIPTION

A

Application Date: 04-24-01  
Time of Day: 10:00  
Application Method: SPRAY  
Application Timing: PRE  
Appl. Placement: BROSOI  
Air Temp., Unit: 54 F  
% Relative Humidity: 66  
Wind Velocity, Unit: 4 MPH  
Dew Presence (Y/N): N  
Soil Temp., Unit: 63 F  
Soil Moisture: ADEQUATE  
% Cloud Cover: 10

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A

PRE

APPLICATION EQUIPMENT

A

Appl. Equipment: ATV  
Operating Pressure: 30  
Nozzle Type: FLAT FAN  
Nozzle Size: 8004 DG  
Nozzle Spacing, Unit: 20 IN  
Boom Length, Unit: 5 FT  
Boom Height, Unit: 19 IN  
Ground Speed, Unit: 4 MPH  
Carrier: WATER  
Spray Volume, Unit: 24 GPA  
Propellant: CO2

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

## CORN POSTEMERGENCE

Trial ID: C1003

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

		SETFA	CHEAL	IPOSS	XANST	SETFA	CHEAL	IPOSS	XANST
	ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
		2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
		P	P	P	P	P	P	P	P
		0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
1 DEGREE	3.8 CS	1 LB	A/A	PRE		2	93	92	85	93	0	92	92	85	93			
1 MON 12075	67.5 WG	0.168	LB A/A	MP														
1 SPREADER HF		0.25	% V/V	MP														
1 AMS	100 SG	2 %	W/W	MP														
2 DEGREE	3.8 CS	1 LB	A/A	PRE		0	92	88	88	92	0	90	88	88	92			
2 MON 12075	67.5 WG	0.336	LB A/A	MP														
2 SPREADER HF		0.25	% V/V	MP														
2 AMS	100 SG	2 %	W/W	MP														
3 DEGREE	3.8 CS	1 LB	A/A	PRE		0	92	80	88	93	0	92	80	88	93			
3 BEACON	75 DF	0.036	LB A/A	MP														
3 SPREADER HF		0.25	% V/V	MP														
3 AMS	100 SG	2 %	W/W	MP														
4 DEGREE	3.8 CS	1 LB	A/A	PRE		0	93	90	88	95	0	93	90	88	95			
4 HORNET	85.6 WG	0.171	LB A/A	MP														
4 SPREADER HF		0.25	% V/V	MP														
4 AMS	100 SG	2 %	W/W	MP														
5 DEGREE	3.8 CS	1 LB	A/A	PRE		0	95	95	90	92	0	95	93	90	92			
5 CELEBRITY PLUS	70 WG	0.206	LB A/A	MP														
5 SPREADER HF		0.25	% V/V	MP														
5 AMS	100 SG	2 %	W/W	MP														
6 DEGREE	3.8 CS	1 LB	A/A	PRE		3	73	53	50	47	0	73	53	50	47			
6 AIM	40 DF	0.008	LB A/A	MP														
6 SPREADER HF		0.25	% V/V	MP														
6 AMS	100 SG	2 %	W/W	MP														
7 DEGREE	3.8 CS	1 LB	A/A	PRE		0	95	92	93	90	0	95	90	90	90			
7 BASIS GOLD	89.5 DF	0.78	LB A/A	MP														
7 COC	L	1 QT/A		MP														
7 LIQUID N	L	1 QT/A		MP														
8 DEGREE	3.8 CS	1 LB	A/A	PRE		0	93	93	87	95	0	93	92	87	93			
8 DISTINCT	70 WG	0.262	LB A/A	MP														
8 SPREADER HF		0.25	% V/V	MP														
8 AMS	100 SG	2 %	W/W	MP														

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

## CORN POSTEMERGENCE

Trial ID: C1003

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	IPOSS	XANST	SETFA	CHEAL	IPOSS	XANST
							ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL
							P	P	P	P	P	P	P	P
9 DEGREE	3.8 CS	1 LB A/A PRE		0	93	90	92	95	0	92	88	92	95	
9 EXCEED	57 DF	0.036 LB A/A MP												
9 SPREADER HF		0.25 % V/V MP												
9 AMS	100 SG	2 % W/W MP					0	0	0	0	0	0	0	0
10 DEGREE	3.8 CS	1 LB A/A PRE		0	95	93	88	95	0	95	92	88	95	
10 NORTHSTAR	47.4 WG	0.161 LB A/A MP												
10 SPREADER HF		0.25 % V/V MP												
10 AMS	100 SG	2 % W/W MP					0	0	0	0	0	0	0	0
11 DEGREE	3.8 CS	1 LB A/A PRE		2	93	82	90	93	0	93	82	90	93	
11 SPIRIT	57 WG	0.036 LB A/A MP												
11 SPREADER HF		0.25 % V/V MP												
11 AMS	100 SG	2 % W/W MP					0	0	0	0	0	0	0	0
12 DEGREE	3.8 CS	1 LB A/A PRE		0	98	100	95	100	0	95	95	95	98	
12 MARKSMAN	3.2 F	1.4 LB A/A MP												
12 SPREADER HF		0.25 % V/V MP												
12 AMS	100 SG	2 % W/W MP					0	0	0	0	0	0	0	0
13 DEGREE	3.8 CS	1 LB A/A PRE		0	93	95	87	93	0	93	95	87	93	
13 MON 12075	67.5 WG	0.168 LB A/A MP												
13 SPREADER HF		0.25 % V/V MP												
14 DEGREE	3.8 CS	1 LB A/A PRE		0	85	92	87	95	0	85	90	87	93	
14 PERMIT	75 DF	0.031 LB A/A MP												
14 BANVEL	4 EC	0.125 LB A/A MP												
14 SPREADER HF		0.25 % V/V MP												
14 AMS	100 SG	2 % W/W MP					0	0	0	0	0	0	0	0
15 DEGREE	3.8 CS	1 LB A/A PRE		0	92	80	82	83	0	92	80	82	83	
15 MON 12075	67.5 WG	0.168 LB A/A MP												
15 ACCENT	75 WG	0.032 LB A/A MP												
15 SPREADER HF		0.25 % V/V MP												
15 AMS	100 SG	2 % W/W MP					0	0	0	0	0	0	0	0

09-19-01 (C1003)

AOV Means Table Page 3 of 3

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

## CORN POSTEMERGENCE

Trial ID: C1003

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA

CHEAL

IPOSS

XANST

SETFA

CHEAL

IPOSS

XANST

Crop Code

ZEAMX

ZEAMX

Rating Data Type

INJURY CONTROL CONTROL CONTROL CONTROL INJURY CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

2 WEEKS 2 WEEKS 2 WEEKS 2 WEEKS 4 WEEKS 4 WEEKS 4 WEEKS 4 WEEKS

ARM Action Codes

P

P

P

P

P

# Subsamples, Dec.

0

0

0

0

0

Trt Treatment

Form Form

Rate

Grow

No. Name

Conc Type Rate

Unit

Stg

16 DEGREE 3.8 CS 1 LB A/A PRE 0 80 93 87 95 0 80 92 87 95

16 PERMIT 75 DF 0.031 LB A/A MP

16 CLARITY 4 E 0.125 LB A/A MP

16 SPREADER HF 0.25 % V/V MP

16 AMS 100 SG 2 % W/W MP

17 DEGREE 3.8 CS 1 LB A/A PRE 0 88 83 88 93 0 87 83 90 90

17 LIGHTNING 70 DG 0.056 LB A/A MP

17 COC L 1 QT/A MP

17 LIQUID N L 1 QT/A MP

18 LIGHTNING 70 DG 0.056 LB A/A MP 0 95 92 88 90 0 95 90 88 90

18 PROWL 3.3 EC 0.89 LB A/A MP

18 SPREADER HF 0.25 % V/V MP

18 LIQUID N L 1 QT/A MP

18 WEEDMAK

19 ACCENT GOLD 83.8 DF 0.15 LB A/A MP 0 95 90 90 93 0 93 90 90 93

19 COC L 1 QT/A MP

19 LIQUID N L 1 QT/A MP

19 WEEDMAK

20 ACCENT 75 WG 0.031 LB A/A MP 0 95 93 90 92 0 93 90 90 92

20 CLARITY 4 E 0.25 LB A/A MP

20 SPREADER HF 0.25 % V/V MP

20 WEEDMAK

21 SPIRIT 57 WG 0.036 LB A/A MP 0 97 92 90 95 0 93 92 90 93

21 ACCENT 75 WG 0.015 LB A/A MP

21 COC L 1 QT/A MP

21 WEEDMAK

22 CHECK UNTREATED 0 0 0 0 0 0 0 0 0 0

LSD (P=.05) 1.7 12.2 8.4 15.7 15.1 0.0 11.9 8.1 15.7 15.1

Standard Deviation 1.0 7.4 5.1 9.5 9.2 0.0 7.2 4.9 9.5 9.2

CV 340.43 8.44 6.05 11.51 10.56 0.0 8.33 5.85 11.51 10.61

## CORN POSTEMERGENCE

Trial ID: C1003

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA CHEAL IPOSS XANST

Crop Code

ZEAMX

Rating Data Type

INJURY CONTROL CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS

ARM Action Codes

P P P P P

# Subsamples, Dec.

0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 DEGREE	3.8 CS		1 LB	A/A	PRE	0	92	92	85
1 MON 12075	67.5 WG		0.168	LB	A/A	MP			
1 SPREADER HF			0.25	%	V/V	MP			
1 AMS	100 SG		2	%	W/W	MP			
2 DEGREE	3.8 CS		1 LB	A/A	PRE	0	90	88	87
2 MON 12075	67.5 WG		0.336	LB	A/A	MP			
2 SPREADER HF			0.25	%	V/V	MP			
2 AMS	100 SG		2	%	W/W	MP			
3 DEGREE	3.8 CS		1 LB	A/A	PRE	0	92	62	83
3 BEACON	75 DF		0.036	LB	A/A	MP			
3 SPREADER HF			0.25	%	V/V	MP			
3 AMS	100 SG		2	%	W/W	MP			
4 DEGREE	3.8 CS		1 LB	A/A	PRE	0	93	90	88
4 HORNET	85.6 WG		0.171	LB	A/A	MP			
4 SPREADER HF			0.25	%	V/V	MP			
4 AMS	100 SG		2	%	W/W	MP			
5 DEGREE	3.8 CS		1 LB	A/A	PRE	0	93	93	88
5 CELEBRITY PLUS	70 WG		0.206	LB	A/A	MP			
5 SPREADER HF			0.25	%	V/V	MP			
5 AMS	100 SG		2	%	W/W	MP			
6 DEGREE	3.8 CS		1 LB	A/A	PRE	0	73	53	50
6 AIM	40 DF		0.008	LB	A/A	MP			
6 SPREADER HF			0.25	%	V/V	MP			
6 AMS	100 SG		2	%	W/W	MP			
7 DEGREE	3.8 CS		1 LB	A/A	PRE	0	95	90	90
7 BASIS GOLD	89.5 DF		0.78	LB	A/A	MP			
7 COC	L		1	QT/A		MP			
7 LIQUID N	L		1	QT/A		MP			
8 DEGREE	3.8 CS		1 LB	A/A	PRE	0	93	92	87
8 DISTINCT	70 WG		0.262	LB	A/A	MP			
8 SPREADER HF			0.25	%	V/V	MP			
8 AMS	100 SG		2	%	W/W	MP			

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

## CORN POSTEMERGENCE

Trial ID: C1003

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA CHEAL IPOSS XANST

Crop Code

ZEAMX

Rating Data Type

INJURY CONTROL CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS

ARM Action Codes

P P P P P

# Subsamples, Dec.

0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
9 DEGREE	3.8 CS		1 LB	A/A	PRE	0	92	88	90	92
9 EXCEED	57 DF		0.036	LB	A/A	MP				
			0.25	%	V/V	MP				
9 SPREADER HF										
9 AMS	100 SG		2 %	W/W	MP					
10 DEGREE	3.8 CS		1 LB	A/A	PRE	0	95	92	88	93
10 NORTHSTAR	47.4 WG		0.161	LB	A/A	MP				
			0.25	%	V/V	MP				
10 SPREADER HF										
10 AMS	100 SG		2 %	W/W	MP					
11 DEGREE	3.8 CS		1 LB	A/A	PRE	0	93	82	88	92
11 SPIRIT	57 WG		0.036	LB	A/A	MP				
			0.25	%	V/V	MP				
11 SPREADER HF										
11 AMS	100 SG		2 %	W/W	MP					
12 DEGREE	3.8 CS		1 LB	A/A	PRE	0	95	95	90	95
12 MARKSMAN	3.2 F		1.4	LB	A/A	MP				
			0.25	%	V/V	MP				
12 SPREADER HF										
12 AMS	100 SG		2 %	W/W	MP					
13 DEGREE	3.8 CS		1 LB	A/A	PRE	0	93	95	87	92
13 MON 12075	67.5 WG		0.168	LB	A/A	MP				
			0.25	%	V/V	MP				
13 SPREADER HF										
14 DEGREE	3.8 CS		1 LB	A/A	PRE	0	85	90	87	92
14 PERMIT	75 DF		0.031	LB	A/A	MP				
14 BANVEL	4 EC		0.125	LB	A/A	MP				
			0.25	%	V/V	MP				
14 SPREADER HF										
14 AMS	100 SG		2 %	W/W	MP					
15 DEGREE	3.8 CS		1 LB	A/A	PRE	0	92	80	82	82
15 MON 12075	67.5 WG		0.168	LB	A/A	MP				
			0.032	LB	A/A	MP				
15 ACCENT	75 WG		0.25	%	V/V	MP				
			0.25	%	V/V	MP				
15 SPREADER HF										
15 AMS	100 SG		2 %	W/W	MP					

09-19-01 (C1003)

AOV Means Table Page 3 of 3

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

## CORN POSTEMERGENCE

Trial ID: C1003

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA CHEAL IPOSS XANST

Crop Code

ZEAMX

Rating Data Type

INJURY CONTROL CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS

ARM Action Codes

P P P P P

# Subsamples, Dec.

0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
16 DEGREE	3.8	CS	1	LB A/A	PRE	0	80	92	87
16 PERMIT	75	DF	0.031	LB A/A	MP				
16 CLARITY	4	E	0.125	LB A/A	MP				
16 SPREADER HF			0.25	% V/V	MP				
16 AMS	100	SG	2	% W/W	MP				
17 DEGREE	3.8	CS	1	LB A/A	PRE	0	82	87	83
17 LIGHTNING	70	DG	0.056	LB A/A	MP				
17 COC	L		1	QT/A	MP				
17 LIQUID N	L		1	QT/A	MP				
18 LIGHTNING	70	DG	0.056	LB A/A	MP	0	95	90	88
18 PROWL	3.3	EC	0.89	LB A/A	MP				
18 SPREADER HF			0.25	% V/V	MP				
18 LIQUID N	L		1	QT/A	MP				
18 WEEDMAK									
19 ACCENT GOLD	83.8	DF	0.15	LB A/A	MP	0	93	90	90
19 COC	L		1	QT/A	MP				
19 LIQUID N	L		1	QT/A	MP				
19 WEEDMAK									
20 ACCENT	75	WG	0.031	LB A/A	MP	0	93	90	90
20 CLARITY	4	E	0.25	LB A/A	MP				
20 SPREADER HF			0.25	% V/V	MP				
20 WEEDMAK									
21 SPIRIT	57	WG	0.036	LB A/A	MP	0	93	92	90
21 ACCENT	75	WG	0.015	LB A/A	MP				
21 COC	L		1	QT/A	MP				
21 WEEDMAK									
22 CHECK UNTREATED						0	0	0	0
LSD (P=.05)			0.0	12.0		8.1	15.5	15.1	
Standard Deviation			0.0	7.3		4.9	9.4	9.1	
CV			0.0	8.44		5.93	11.47	10.78	

09-19-01 (C1003)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE

Trial ID: C1003 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                    **Trial Status:** COMPLETE  
**State/Prov.:** KENTUCKY  
**Postal Code:** 40546                    **Initiation Date:** 04-25-01  
**Country:** USA

Conducted Under GLP (Y/N): N                    Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPodium ALBUM L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
4.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM

**Crop 1:** ZEAMX CORN, FIELD                    **Variety:** GARST 8541IT

**Planting Date:** 04-25-01                    **Planting Method:** ROW

**Rate:** 28000 S/A                    **Depth:** 1.5 IN

**Row Spacing:** 30 IN                    **Seed Bed:** MEDIUM

**Soil Temperature:** 59 F                    **Soil Moisture:** NORMAL                    **Emergence Date:** 05-03-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                    **Plot Length, Unit:** 44 FT                    **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.5	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

09-19-01 (C1003)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE

Trial ID: C1003 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A B

Application Date:	04-26-01	05-22-01
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	MP
Appli. Placement:	BROSOI	BROFOL
Air Temp., Unit:	52 F	59 F
% Relative Humidity:	55	68
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	59 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20

CROP STAGE AT EACH APPLICATION

A B

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX MP
Height, Unit:	12	IN

WEED STAGE AT EACH APPLICATION

A B

Weed 1 Code, Stage:	SETFA PRE	SETFA MP
Stage Scale:	2LF	
Density, Unit:	2	IN
Weed 2 Code, Stage:	CHEAL PRE	CHEAL MP
Stage Scale:	10LF	
Density, Unit:	4	IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS MP
Stage Scale:	4LF	
Density, Unit:	2	IN
Weed 4 Code, Stage:	XANST PRE	XANST MP
Stage Scale:	5LF	
Density, Unit:	4	IN

09-19-01 (C1003)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE

Trial ID: C1003                            Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.                    Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	ATV	BACKPACK
<b>Operating Pressure:</b>	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2

09-19-01 (C1014)

AOV Means Table Page 1 of 3

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

## CORN POSTEMERGENCE II

Trial ID: C1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.							SETFA	CHEAL	IPOSS	XANST	SETFA	CHEAL	IPOSS	XANST		
							ZEAMX				ZEAMX					
							INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL		
							PERCENT									
2 WEEK		2 WEEK		2 WEEK		2 WEEK		4 WEEK		4 WEEK		4 WEEK				
P		P		P		P		P		P		P				
0		0		0		0		0		0		0				
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg											
1 AE F130360	70 WG	0.055 LB	A/A	MP		3	92	78	85	90	0	92	75	82	82	
1 MSO	L	0.75 QT/A		MP												
1 LIQUID N	L	2 QT/A		MP												
2 AE F130360	70 WG	0.066 LB	A/A	MP		0	92	85	87	80	0	90	78	77	77	
2 MSO	L	0.75 QT/A		MP												
2 LIQUID N	L	2 QT/A		MP												
3 AE F130360	70 WG	0.077 LB	A/A	MP		0	92	82	87	85	0	90	78	82	77	
3 MSO	L	0.75 QT/A		MP												
3 LIQUID N	L	2 QT/A		MP												
4 AE F130360	70 WG	0.055 LB	A/A	MP		0	90	73	87	85	0	90	72	80	80	
4 LIQUID 10		1 % V/V		MP												
4 LIQUID N	L	2 QT/A		MP												
5 AE F130360	70 WG	0.066 LB	A/A	MP		0	93	77	90	85	0	93	75	82	75	
5 LIQUID 10		1 % V/V		MP												
5 LIQUID N	L	2 QT/A		MP												
6 AE F130360	70 WG	0.077 LB	A/A	MP		0	90	73	85	82	0	90	73	83	82	
6 LIQUID 10		1 % V/V		MP												
6 LIQUID N	L	2 QT/A		MP												
7 AE F130360	70 WG	0.055 LB	A/A	MP		0	93	90	90	87	0	93	85	88	83	
7 DISTINCT	70 WG	0.131 LB	A/A	MP												
7 MSO	L	0.75 QT/A		MP												
7 LIQUID N	L	2 QT/A		MP												
8 AE F130360	70 WG	0.066 LB	A/A	MP		0	88	87	90	87	0	88	87	90	87	
8 DISTINCT	70 WG	0.131 LB	A/A	MP												
8 MSO	L	0.75 QT/A		MP												
8 LIQUID N	L	2 QT/A		MP												
9 AE F130360	70 WG	0.077 LB	A/A	MP		5	95	88	92	93	0	95	88	90	92	
9 DISTINCT	70 WG	0.131 LB	A/A	MP												
9 MSO	L	0.75 QT/A		MP												
9 LIQUID N	L	2 QT/A		MP												

09-19-01 (C1014)

AOV Means Table Page 2 of 3

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

## CORN POSTEMERGENCE II

Trial ID: C1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	CHEAL	IPOSS	XANST	SETFA	CHEAL	IPOSS	XANST
	ZEAMX	ZEAMX	ZEAMX	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK	2 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 Conc	Form Type	Rate Rate	Grow Unit	Stg	..	..	..	..	..	..
10 AE F130360	70 WG	0.055	LB A/A	MP	0	93	83	87	88	0	93
10 DISTINCT	70 WG	0.131	LB A/A	MP							83
10 LIQUID 10		1	% V/V	MP							87
10 LIQUID N	L	2	QT/A	MP							88
11 AE F130360	70 WG	0.066	LB A/A	MP	0	93	92	90	90	0	93
11 DISTINCT	70 WG	0.131	LB A/A	MP							90
11 LIQUID 10		1	% V/V	MP							88
11 LIQUID N	L	2	QT/A	MP							90
12 AE F130360	70 WG	0.077	LB A/A	MP	0	95	85	92	92	0	95
12 DISTINCT	70 WG	0.131	LB A/A	MP							85
12 LIQUID 10		1	% V/V	MP							88
12 LIQUID N	L	2	QT/A	MP							92
13 AE F130360	61 WG	0.067	LB A/A	MP	0	92	78	85	88	0	92
13 MSO	L	0.75	QT/A	MP							78
13 LIQUID N	L	2	QT/A	MP							85
13 LIQUID N	L	2	QT/A	MP							88
14 STEADFAST	75 WG	0.035	LB A/A	MP	0	93	87	90	87	0	93
14 DISTINCT	70 WG	0.131	LB A/A	MP							87
14 COC	L	1	QT/A	MP							90
14 LIQUID N	L	2	QT/A	MP							87
15 AATREX	4 F	1	LB A/A	PRE	0	98	95	90	92	0	95
15 LIGHTNING	70 DG	0.056	LB A/A	MP							93
15 DISTINCT	70 WG	0.0875	LB A/A	MP							90
15 COC	L	1	QT/A	MP							92
15 LIQUID N	L	2	QT/A	MP							
16 AATREX	4 F	1	LB A/A	PRE	0	98	95	90	88	0	95
16 LIGHTNING	70 DG	0.028	LB A/A	MP							95
16 AE F130360	61 WG	0.067	LB A/A	MP							90
16 COC	L	1	QT/A	MP							88
16 LIQUID N	L	2	QT/A	MP							

09-19-01 (C1014)

AOV Means Table Page 3 of 3

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

## CORN POSTEMERGENCE II

Trial ID: C1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	CHEAL	IPOSS	XANST	SETFA	CHEAL	IPOSS	XANST
	ZEAMX				ZEAMX			
INJURY	PERCENT	PERCENT	PERCENT	PERCENT	INJURY	PERCENT	PERCENT	PERCENT
2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	2	97	95	90	92	0	95	93	90	92
17 AATREX	4 F		1 LB	A/A	PRE										
17 LIGHTNING	70 DG		0.037	LB	A/A	MP									
17 AE F130360	61 WG		0.067	LB	A/A	MP									
17 COC	L		1 QT/A		MP										
17 LIQUID N	L		2 QT/A		MP										
18 AATREX	4 F		1 LB	A/A	PRE										
18 LIGHTNING	70 DG		0.028	LB	A/A	MP									
18 AE F130360	70 WG		0.066	LB	A/A	MP									
18 COC	L		1 QT/A		MP										
18 LIQUID N	L		2 QT/A		MP										
19 AATREX	4 F		1 LB	A/A	PRE										
19 LIGHTNING	70 DG		0.037	LB	A/A	MP									
19 AE F130360	70 WG		0.066	LB	A/A	MP									
19 COC	L		1 QT/A		MP										
19 LIQUID N	L		2 QT/A		MP										
20 CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						1.5	4.1	6.5	3.4	6.5	0.0	3.1	6.4	3.4	5.4
Standard Deviation						0.9	2.5	3.9	2.1	3.9	0.0	1.8	3.9	2.1	3.3
CV						180.16	2.82	4.84	2.45	4.7	0.0	2.1	4.8	2.53	4.02

09-19-01 (C1014)

AOV Means Table Page 1 of 3

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

## CORN POSTEMERGENCE II

Trial ID: C1014      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code	SETFA	CHEAL	IPOSS	XANST
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	CHEAL	IPOSS	XANST
1 AE F130360	70 WG	0.055 LB	A/A	MP	0	90	75	73	73
1 MSO	L	0.75 QT/A		MP					
1 LIQUID N	L	2 QT/A		MP					
2 AE F130360	70 WG	0.066 LB	A/A	MP	0	90	78	75	77
2 MSO	L	0.75 QT/A		MP					
2 LIQUID N	L	2 QT/A		MP					
3 AE F130360	70 WG	0.077 LB	A/A	MP	0	90	78	82	77
3 MSO	L	0.75 QT/A		MP					
3 LIQUID N	L	2 QT/A		MP					
4 AE F130360	70 WG	0.055 LB	A/A	MP	0	90	70	75	77
4 LIQUID 10		1 % V/V		MP					
4 LIQUID N	L	2 QT/A		MP					
5 AE F130360	70 WG	0.066 LB	A/A	MP	0	93	68	82	75
5 LIQUID 10		1 % V/V		MP					
5 LIQUID N	L	2 QT/A		MP					
6 AE F130360	70 WG	0.077 LB	A/A	MP	0	90	67	83	82
6 LIQUID 10		1 % V/V		MP					
6 LIQUID N	L	2 QT/A		MP					
7 AE F130360	70 WG	0.055 LB	A/A	MP	0	93	85	88	83
7 DISTINCT	70 WG	0.131 LB	A/A	MP					
7 MSO	L	0.75 QT/A		MP					
7 LIQUID N	L	2 QT/A		MP					
8 AE F130360	70 WG	0.066 LB	A/A	MP	0	88	87	90	87
8 DISTINCT	70 WG	0.131 LB	A/A	MP					
8 MSO	L	0.75 QT/A		MP					
8 LIQUID N	L	2 QT/A		MP					
9 AE F130360	70 WG	0.077 LB	A/A	MP	0	92	88	85	90
9 DISTINCT	70 WG	0.131 LB	A/A	MP					
9 MSO	L	0.75 QT/A		MP					
9 LIQUID N	L	2 QT/A		MP					

09-19-01 (C1014)

AOV Means Table Page 2 of 3

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

## CORN POSTEMERGENCE II

Trial ID: C1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	CHEAL	IPOSS	XANST
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
10 AE F130360	70 WG		0.055	LB A/A	MP	0	93	83	87	88
10 DISTINCT	70 WG		0.131	LB A/A	MP					
10 LIQUID 10			1 8	V/V	MP					
10 LIQUID N	L		2 QT/A		MP					
11 AE F130360	70 WG		0.066	LB A/A	MP	0	93	90	88	90
11 DISTINCT	70 WG		0.131	LB A/A	MP					
11 LIQUID 10			1 8	V/V	MP					
11 LIQUID N	L		2 QT/A		MP					
12 AE F130360	70 WG		0.077	LB A/A	MP	0	95	85	88	92
12 DISTINCT	70 WG		0.131	LB A/A	MP					
12 LIQUID 10			1 8	V/V	MP					
12 LIQUID N	L		2 QT/A		MP					
13 AE F130360	61 WG		0.067	LB A/A	MP	0	92	73	80	88
13 MSO	L		0.75	QT/A	MP					
13 LIQUID N	L		2 QT/A		MP					
14 STEADFAST	75 WG		0.035	LB A/A	MP	0	93	87	90	87
14 DISTINCT	70 WG		0.131	LB A/A	MP					
14 COC	L		1 QT/A		MP					
14 LIQUID N	L		2 QT/A		MP					
15 AATREX	4 F		1	LB A/A	PRE	0	95	93	90	92
15 LIGHTNING	70 DG		0.056	LB A/A	MP					
15 DISTINCT	70 WG		0.0875	LB A/A	MP					
15 COC	L		1 QT/A		MP					
15 LIQUID N	L		2 QT/A		MP					
16 AATREX	4 F		1	LB A/A	PRE	0	95	95	90	88
16 LIGHTNING	70 DG		0.028	LB A/A	MP					
16 AE F130360	61 WG		0.067	LB A/A	MP					
16 COC	L		1 QT/A		MP					
16 LIQUID N	L		2 QT/A		MP					

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

## CORN POSTEMERGENCE II

Trial ID: C1014 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	IPOSS	XANST
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
17 AATREX	4 F		1 LB	A/A	PRE	0	95	93	90	92
17 LIGHTNING	70 DG		0.037	LB	A/A	MP				
17 AE F130360	61 WG		0.067	LB	A/A	MP				
17 COC	L		1 QT/A		MP					
17 LIQUID N	L		2 QT/A		MP					
18 AATREX	4 F		1 LB	A/A	PRE	0	95	93	90	92
18 LIGHTNING	70 DG		0.028	LB	A/A	MP				
18 AE F130360	70 WG		0.066	LB	A/A	MP				
18 COC	L		1 QT/A		MP					
18 LIQUID N	L		2 QT/A		MP					
19 AATREX	4 F		1 LB	A/A	PRE	0	95	93	88	90
19 LIGHTNING	70 DG		0.037	LB	A/A	MP				
19 AE F130360	70 WG		0.066	LB	A/A	MP				
19 COC	L		1 QT/A		MP					
19 LIQUID N	L		2 QT/A		MP					
20 CHECK UNTREATED						0	0	0	0	0
LSD (P=.05)						0.0	3.1	5.1	3.3	5.1
Standard Deviation						0.0	1.8	3.1	2.0	3.1
CV						0.0	2.1	3.89	2.46	3.79

09-19-01 (C1014)

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

Site Description Page 1 of 3

CORN POSTEMERGENCE II

Trial ID: C1014 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 04-25-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
4.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM

Crop 1: ZEAMX CORN, FIELD

Variety: GARST 8541IT

Planting Date: 04-25-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 59 F

Soil Moisture: ADEQUATE

Emergence Date: 05-02-01

#### SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Study Design: RANDOMIZED COMPLETE BLOCK

Tillage Type: CONVENTIONAL

#### SOIL DESCRIPTION

% Sand: 6	% OM: 2.7	Texture: SILT LOAM
% Silt: 64	pH: 6.5	Soil Name: MAURY
% Clay: 30	CEC: 17	Fert. Level: EXCELLENT

09-19-01 (C1014)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE II

Trial ID: C1014 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

**APPLICATION DESCRIPTION**

	A	B
Application Date:	04-26-01	05-22-01
Time of Day:	10:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	MP
Appli. Placement:	BROSOI	BROFOL
Air Temp., Unit:	52 F	68 F
% Relative Humidity:	55	68
Wind Velocity, Unit:	4 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	59 F	68
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

**CROP STAGE AT EACH APPLICATION**

	A	B
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX MP
Height, Unit:		12 IN

**WEED STAGE AT EACH APPLICATION**

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA MP
Stage Scale:		3LF
Density, Unit:		4 IN
Weed 2 Code, Stage:	CHEAL PRE	CHEAL MP
Stage Scale:		8LF
Density, Unit:		3 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS MP
Stage Scale:		3LF
Density, Unit:		3 IN
Weed 4 Code, Stage:	XANST PRE	XANST MP
Stage Scale:		4LF
Density, Unit:		4 IN

09-19-01 (C1014)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE II

Trial ID: C1014                                  Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.                              Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	ATV	BACKPACK
<b>Operating Pressure:</b>	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	19 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH
<b>Incorporation Equip.:</b>	ATV	BACKPACK
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2

09-24-01 (C1015)

AOV Means Table Page 1 of 2

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

## CORN POSTEMERGENCE III

Trial ID: C1015

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	ZEAMX				ZEAMX				ZEAMX					
	INJURY		CONTROL		CONTROL		CONTROL		INJURY		CONTROL		CONTROL	
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 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	P	P	P	P
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg									
1 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	92	83	80	82	0	92	83	80
1 LIQUID N	L	2 QT/A	MP	<12C										82
1 COC	L	1 QT/A	MP	<12C										
2 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	92	87	85	83	0	92	87	85
2 CLARITY	4 E	0.125	LB A/A	MP <12C										83
2 LIQUID N	L	2 QT/A	MP	<12C										
2 COC	L	1 QT/A	MP	<12C										
3 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	93	92	90	88	0	93	92	90
3 MARKSMAN	3.2 F	0.4	LB A/A	MP <12C										88
3 LIQUID N	L	2 QT/A	MP	<12C										
3 COC	L	1 QT/A	MP	<12C										
4 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	95	88	87	82	0	95	88	87
4 AATREX	4 F	0.45	LB A/A	MP <12C										82
4 LIQUID N	L	2 QT/A	MP	<12C										
4 COC	L	1 QT/A	MP	<12C										
5 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	95	88	85	85	0	95	88	85
5 AATREX	4 F	0.675	LB A/A	MP <12C										
5 LIQUID N	L	2 QT/A	MP	<12C										
5 COC	L	1 QT/A	MP	<12C										
6 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	95	90	88	88	0	95	90	88
6 AATREX	4 F	0.9	LB A/A	MP <12C										
6 LIQUID N	L	2 QT/A	MP	<12C										
6 COC	L	1 QT/A	MP	<12C										
7 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	93	87	85	88	0	93	87	85
7 HORNET	85.6 WG	0.086	LB A/A	MP <12C										88
7 LIQUID N	L	2 QT/A	MP	<12C										
7 COC	L	1 QT/A	MP	<12C										
8 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	93	87	87	85	0	93	87	87
8 DISTINCT	70 WG	0.088	LB A/A	MP <12C										
8 LIQUID N	L	2 QT/A	MP	<12C										
8 COC	L	1 QT/A	MP	<12C										

09-24-01 (C1015)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE III

Trial ID: C1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	AMBTR	XANST	IPOSS	SETFA	AMBTR	XANST	IPOSS
Crop Code	ZEAMX				ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL
9 STEADFAST	75 WG	0.035 LB	A/A	MP <12C	0	95	93	92	92	0	95	93	92	92	92
9 NORTHSTAR	47.4 WG	0.088 LB	A/A	MP <12C											
9 LIQUID N	L	2 QT/A		MP <12C											
9 COC	L	1 QT/A		MP <12C											
10 STEADFAST	75 WG	0.035 LB	A/A	MP <12C	0	93	83	82	83	0	93	83	82	83	
10 TOUGH	3.75 EC	0.47 LB	A/A	MP <12C											
10 LIQUID N	L	2 QT/A		MP <12C											
10 COC	L	1 QT/A		MP <12C											
11 STEADFAST	75 WG	0.035 LB	A/A	MP <12C	0	95	93	93	93	0	95	93	93	93	
11 CALLISTO	4 SC	0.063 LB	A/A	MP <12C											
11 AATREX	4 F	0.225 LB	A/A	MP <12C											
11 LIQUID N	L	2 QT/A		MP <12C											
11 COC	L	1 QT/A		MP <12C											
12 BASIS GOLD	89.5 DF	0.788 LB	A/A	MP <12C	0	95	90	90	88	0	95	90	90	88	
12 LIQUID N	L	2 QT/A		MP <12C											
12 COC	L	1 QT/A		MP <12C											
13 BASIS GOLD	89.5 DF	0.788 LB	A/A	MP <12C	0	95	95	93	92	0	95	95	93	92	
13 CLARITY	4 E	0.125 LB	A/A	MP <12C											
13 LIQUID N	L	2 QT/A		MP <12C											
13 COC	L	1 QT/A		MP <12C											
14 CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	3.6	6.7	7.0	7.0	0.0	3.6	6.7	7.0	7.0
Standard Deviation						0.0	2.1	4.0	4.2	4.2	0.0	2.1	4.0	4.2	4.2
CV						0.0	2.43	4.8	5.17	5.2	0.0	2.43	4.8	5.17	5.2

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

## CORN POSTEMERGENCE III

Trial ID: C1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	ZEAMX	SETFA	AMBTR	XANST	IPOSS
INJURY		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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	AMBTR	XANST	IPOSS	
1 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	83	83	80	75
1 LIQUID N	L	2	QT/A	MP <12C						
1 COC	L	1	QT/A	MP <12C						
2 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	85	87	85	80
2 CLARITY	4 E	0.125	LB A/A	MP <12C						
2 LIQUID N	L	2	QT/A	MP <12C						
2 COC	L	1	QT/A	MP <12C						
3 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	88	92	90	78
3 MARKSMAN	3.2 F	0.4	LB A/A	MP <12C						
3 LIQUID N	L	2	QT/A	MP <12C						
3 COC	L	1	QT/A	MP <12C						
4 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	82	88	87	77
4 AATREX	4 F	0.45	LB A/A	MP <12C						
4 LIQUID N	L	2	QT/A	MP <12C						
4 COC	L	1	QT/A	MP <12C						
5 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	83	88	85	75
5 AATREX	4 F	0.675	LB A/A	MP <12C						
5 LIQUID N	L	2	QT/A	MP <12C						
5 COC	L	1	QT/A	MP <12C						
6 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	82	90	88	70
6 AATREX	4 F	0.9	LB A/A	MP <12C						
6 LIQUID N	L	2	QT/A	MP <12C						
6 COC	L	1	QT/A	MP <12C						
7 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	83	87	85	75
7 HORNET	85.6 WG	0.086	LB A/A	MP <12C						
7 LIQUID N	L	2	QT/A	MP <12C						
7 COC	L	1	QT/A	MP <12C						
8 STEADFAST	75 WG	0.035	LB A/A	MP <12C		0	82	87	87	80
8 DISTINCT	70 WG	0.088	LB A/A	MP <12C						
8 LIQUID N	L	2	QT/A	MP <12C						
8 COC	L	1	QT/A	MP <12C						

09-24-01 (C1015)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE III

Trial ID: C1015 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	AMBTR	XANST	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
9 STEADFAST	75 WG	0.035	LB A/A	MP <12C	0	85	93	92	85
9 NORTHSTAR	47.4 WG	0.088	LB A/A	MP <12C					
9 LIQUID N	L	2 QT/A		MP <12C					
9 COC	L	1 QT/A		MP <12C					
10 STEADFAST	75 WG	0.035	LB A/A	MP <12C	0	78	83	82	82
10 TOUGH	3.75 EC	0.47	LB A/A	MP <12C					
10 LIQUID N	L	2 QT/A		MP <12C					
10 COC	L	1 QT/A		MP <12C					
11 STEADFAST	75 WG	0.035	LB A/A	MP <12C	0	83	93	93	80
11 CALLISTO	4 SC	0.063	LB A/A	MP <12C					
11 AATREX	4 F	0.225	LB A/A	MP <12C					
11 LIQUID N	L	2 QT/A		MP <12C					
11 COC	L	1 QT/A		MP <12C					
12 BASIS GOLD	89.5 DF	0.788	LB A/A	MP <12C	0	83	90	90	77
12 LIQUID N	L	2 QT/A		MP <12C					
12 COC	L	1 QT/A		MP <12C					
13 BASIS GOLD	89.5 DF	0.788	LB A/A	MP <12C	0	85	95	93	85
13 CLARITY	4 E	0.125	LB A/A	MP <12C					
13 LIQUID N	L	2 QT/A		MP <12C					
13 COC	L	1 QT/A		MP <12C					
14 CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)					0.0	6.3	6.7	7.0	10.2
Standard Deviation					0.0	3.7	4.0	4.2	6.0
CV					0.0	4.85	4.8	5.17	8.32

09-24-01 (C1015)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE III

Trial ID: C1015 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-25-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP: STRUMARIUM
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD

**Variety:** GARST 8541IT

**Planting Date:** 04-25-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 59 F

**Soil Moisture:** NORMAL

**Emergence Date:** 05-02-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT           **Plot Length, Unit:** 44 FT           **Reps:** 3

**Site Type:** FIELD

**Study Design:** RANDOMIZED COMPLETE BLOCK

**Tillage Type:** CONVENTIONAL

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.6	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

09-24-01 (C1015)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE III

Trial ID: C1015 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A

Application Date: 05-22-01  
Time of Day: 10:00  
Application Method: SPRAY  
Application Timing: MP<12C  
Applie. Placement: BROFOL  
Air Temp., Unit: 59 F  
% Relative Humidity: 68  
Wind Velocity, Unit: 4 MPH  
Dew Presence (Y/N): N  
Soil Temp., Unit: 68 F  
Soil Moisture: ADEQUATE  
% Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX MP<12C  
Height, Unit: 12 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA MP<12C  
Stage Scale: 2LF  
Density, Unit: 2 IN  
Weed 2 Code, Stage: AMBTR MP<12C  
Stage Scale: 6LF  
Density, Unit: 4 IN  
Weed 3 Code, Stage: XANST MP<12C  
Stage Scale: 4LF  
Density, Unit: 4 IN  
Weed 4 Code, Stage: IPOSS MP<12C  
Stage Scale: 3LF  
Density, Unit: 3 IN

09-24-01 (C1015)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE III

Trial ID: C1015 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION EQUIPMENT**

**A**

**Appl. Equipment:** BACKPACK  
**Operating Pressure:** 30  
**Nozzle Type:** FLAT FAN  
**Nozzle Size:** 8004 DG  
**Nozzle Spacing, Unit:** 20 IN  
**Boom Length, Unit:** 5 FT  
**Boom Height, Unit:** 20 IN  
**Ground Speed, Unit:** 3.5 IN  
**Carrier:** WATER  
**Spray Volume, Unit:** 24 GPA  
**Propellant:** CO2

09-24-01 (C1016)

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

AOV Means Table Page 1 of 4

## CORN POSTEMERGENCE IV

Trial ID: C1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	XANST	AMBTR	IPOSS	SETFA	XANST	AMBTR	IPOSS
	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
INJURY	PERCENT	PERCENT	PERCENT	PERCENT	INJURY	PERCENT	PERCENT	PERCENT
CONTROL	PERCENT	PERCENT	PERCENT	PERCENT	CONTROL	PERCENT	PERCENT	PERCENT
CONTROL	PERCENT	PERCENT	PERCENT	PERCENT	CONTROL	PERCENT	PERCENT	PERCENT
2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	95	92	92	92	0	87	90	90	92
1 AATREX	4 F		1 LB	A/A	PRE	0	95	92	92	92	0	87	90	90	92
1 LIGHTNING	70 DG		0.056	LB	A/A	12C									
1 AATREX	4 F		1 LB	A/A	12C										
1 COC	L		1 QT/A			12C									
1 LIQUID N	L		1.5 QT/A			12C									
2 AATREX	4 F		1 LB	A/A	PRE	0	95	95	93	92	0	90	90	88	92
-2 LIGHTNING	70 DG		0.056	LB	A/A	12C									
2 AATREX	4 F		1 LB	A/A	12C										
2 COC	L		1 QT/A			12C									
3 AATREX	4 F		1 LB	A/A	PRE	0	95	93	90	88	0	87	90	87	88
3 LIGHTNING	70 DG		0.056	LB	A/A	12C									
3 DISTINCT	70 WG		0.088	LB	A/A	12C									
3 COC	L		1 QT/A			12C									
3 LIQUID N	L		1.5 QT/A			12C									
4 AATREX	4 F		1 LB	A/A	PRE	0	95	93	93	92	0	88	92	93	92
4 LIGHTNING	70 DG		0.056	LB	A/A	12C									
4 DISTINCT	70 WG		0.088	LB	A/A	12C									
4 COC	L		1 QT/A			12C									
5 AATREX	4 F		1 LB	A/A	PRE	0	95	92	90	90	0	88	90	88	90
5 LIGHTNING	70 DG		0.056	LB	A/A	12C									
5 DISTINCT	70 WG		0.175	LB	A/A	12C									
5 COC	L		1 QT/A			12C									
5 LIQUID N	L		1.5 QT/A			12C									
6 AATREX	4 F		1 LB	A/A	PRE	0	95	93	92	90	0	88	93	92	90
6 LIGHTNING	70 DG		0.056	LB	A/A	12C									
6 DISTINCT	70 WG		0.175	LB	A/A	12C									
6 COC	L		1 QT/A			12C									
7 AATREX	4 F		1 LB	A/A	PRE	0	95	92	90	90	0	90	88	87	90
7 LIGHTNING	70 DG		0.056	LB	A/A	12C									
7 DISTINCT	70 WG		0.175	LB	A/A	12C									
7 SPREADER HF			0.25	% V/V		12C									
7 LIQUID N	L		1.5 QT/A			12C									

09-24-01 (C1016)

AOV Means Table Page 2 of 4

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

## CORN POSTEMERGENCE IV

Trial ID: C1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	XANST	AMBTR	IPOSS	SETFA	XANST	AMBTR	IPOSS	
							ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	
							P	P	P	P	P	P	P	P	
8 AATREX	4 F	1 LB	A/A	PRE		0	95	92	92	92	0	87	92	92	90
8 LIGHTNING	70 DG	0.056	LB	A/A	12C										
8 DISTINCT	70 WG	0.175	LB	A/A	12C										
8 SPREADER HF		0.25	% V/V		12C										
9 AATREX	4 F	1 LB	A/A	PRE		0	95	93	92	92	0	85	92	87	92
9 LIGHTNING	70 DG	0.056	LB	A/A	18C										
9 DISTINCT	70 WG	0.175	LB	A/A	18C										
9 COC	L	1 QT/A			18C										
9 LIQUID N	L	1.5 QT/A			18C										
10 AATREX	4 F	1 LB	A/A	PRE		0	93	90	92	88	0	88	87	92	88
10 LIGHTNING	70 DG	0.056	LB	A/A	18C										
10 DISTINCT	70 WG	0.175	LB	A/A	18C										
10 COC	L	1 QT/A			18C										
11 AATREX	4 F	1 LB	A/A	PRE		0	95	93	90	90	0	92	83	88	90
11 LIGHTNING	70 DG	0.056	LB	A/A	18C										
11 DISTINCT	70 WG	0.175	LB	A/A	18C										
11 SPREADER HF		0.25	% V/V		18C										
11 LIQUID N	L	1.5 QT/A			18C										
12 AATREX	4 F	1 LB	A/A	PRE		0	95	92	92	90	0	85	90	88	90
12 LIGHTNING	70 DG	0.056	LB	A/A	18C										
12 DISTINCT	70 WG	0.175	LB	A/A	18C										
12 SPREADER HF		0.25	% V/V		18C										
13 LEADOFF	5 CS	1.25	LB	A/A	PRE		0	95	85	83	87	0	90	83	87
13 BASIS GOLD	89.5 DF	0.78	LB	A/A	12C										
13 SPREADER HF		0.25	% V/V		12C										
14 LEADOFF	5 CS	1.25	LB	A/A	PRE		0	95	83	85	88	0	88	82	83
14 BASIS GOLD	89.5 DF	0.78	LB	A/A	18C										
14 SPREADER HF		0.25	% V/V		18C										
15 GUARDSMAN	5 E	1.88	LB	A/A	PRE		0	93	93	90	90	0	88	92	90
15 CELEBRITY PLUS	70 WG	0.22	LB	A/A	12C										
15 SPREADER HF		0.25	% V/V		12C										

09-24-01 (C1016)

AOV Means Table Page 3 of 4

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

## CORN POSTEMERGENCE IV

Trial ID: C1016

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	XANST	AMBTR	IPOSS		SETFA	XANST	AMBTR	IPOSS
	ZEAMX	ZEAMX	ZEAMX	ZEAMX		ZEAMX	ZEAMX	ZEAMX	ZEAMX
	INJURY	CONTROL	CONTROL	CONTROL		INJURY	CONTROL	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK	2 WEEK		2 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 Conc	Form Type	Rate	Unit	Grow Stg	0	95	95	92	92	0	90	93	92	92
16 GUARDSMAN		5 E	2.5 LB	A/A	PRE		0	95	95	92	92	0	90	93	92	92
16 CELEBRITY PLUS		70 WG	0.22 LB	A/A	12C											
16 SPREADER HF			0.25 %	V/V	12C											
17 GUARDSMAN MAX		5 E	1.5 LB	A/A	PRE		0	95	92	90	92	0	90	90	90	92
17 CELEBRITY PLUS		70 WG	0.22 LB	A/A	12C											
17 SPREADER HF			0.25 %	V/V	12C											
18 GUARDSMAN MAX		5 E	2 LB	A/A	PRE		0	95	90	90	90	0	90	87	90	90
18 CELEBRITY PLUS		70 WG	0.22 LB	A/A	12C											
18 SPREADER HF			0.25 %	V/V	12C											
19 BICEP II MAGNUM		5.5 L	2.88 LB	A/A	PRE		0	88	95	95	93	0	85	92	93	93
19 EXCEED		57 DF	0.036 LB	A/A	12C											
19 SPREADER HF			0.25 %	V/V	12C											
20 BICEP II MAGNUM		5.5 L	2.88 LB	A/A	PRE		0	93	83	82	83	0	87	83	78	83
20 ACCENT		75 WG	0.023 LB	A/A	12C											
20 SPREADER HF			0.25 %	V/V	12C											
21 LIGHTNING		70 DG	0.056 LB	A/A	12C		0	92	93	92	90	0	85	93	90	88
21 AATREX		4 F	1 LB	A/A	12C											
21 SPREADER HF			0.25 %	V/V	12C											
21 LIQUID N		L	1 QT/A		12C											
21 WEEDMAK																
22 SPIRIT		57 WG	0.036 LB	A/A	12C		0	85	92	93	92	0	87	85	87	87
22 COC		L	1 QT/A		12C											
22 WEEDMAK																
23 BEACON		75 DF	0.016 LB	A/A	12C		0	75	93	93	93	0	72	92	88	85
23 CLARITY		4 E	0.25 LB	A/A	12C											
23 SPREADER HF			0.25 %	V/V	12C											
23 WEEDMAK																
24 PERMIT		75 DF	0.036 LB	A/A	12C		0	95	83	80	83	0	87	83	77	80
24 ACCENT		75 WG	0.031 LB	A/A	12C											
24 COC		L	1 QT/A		12C											
24 WEEDMAK																

09-24-01 (C1016)

AOV Means Table Page 4 of 4

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

## CORN POSTEMERGENCE IV

Trial ID: C1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA XANST AMBTR IPOSS SETFA XANST AMBTR IPOSS

Crop Code

ZEAMX INJURY CONTROL CONTROL CONTROL INJURY CONTROL CONTROL CONTROL

Rating Data Type

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

Rating Unit

2 WEEK 2 WEEK 2 WEEK 2 WEEK 4 WEEK 4 WEEK 4 WEEK 4 WEEK

Trt-Eval Interval

P P P P P P P P P P

ARM Action Codes

0 0 0 0 0 0 0 0 0 0

# Subsamples, Dec.

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg						
---------------------------	-----------	-----------	-----------	-----------	-----	--	--	--	--	--	--

LSD (P=.05) 0.0 2.8 4.4 5.3 6.6 0.0 7.8 5.9 7.5 7.7

Standard Deviation 0.0 1.7 2.7 3.2 4.0 0.0 4.7 3.6 4.5 4.7

CV 0.0 1.81 2.95 3.6 4.46 0.0 5.43 4.06 5.16 5.25

09-24-01 (C1016)

AOV Means Table Page 1 of 4

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

## CORN POSTEMERGENCE IV

Trial ID: C1016      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code	SETFA	XANST	AMBTR	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
1 AATREX	4 F	1 LB	A/A	PRE	0	87	90	90	92	
1 LIGHTNING	70 DG	0.056	LB	A/A	12C					
1 AATREX	4 F	1 LB	A/A	12C						
1 COC	L	1 QT/A		12C						
1 LIQUID N	L	1.5 QT/A		12C						
2 AATREX	4 F	1 LB	A/A	PRE	0	90	90	88	92	
2 LIGHTNING	70 DG	0.056	LB	A/A	12C					
2 AATREX	4 F	1 LB	A/A	12C						
2 COC	L	1 QT/A		12C						
3 AATREX	4 F	1 LB	A/A	PRE	0	87	90	87	88	
3 LIGHTNING	70 DG	0.056	LB	A/A	12C					
3 DISTINCT	70 WG	0.088	LB	A/A	12C					
3 COC	L	1 QT/A		12C						
3 LIQUID N	L	1.5 QT/A		12C						
4 AATREX	4 F	1 LB	A/A	PRE	0	88	92	93	92	
4 LIGHTNING	70 DG	0.056	LB	A/A	12C					
4 DISTINCT	70 WG	0.088	LB	A/A	12C					
4 COC	L	1 QT/A		12C						
5 AATREX	4 F	1 LB	A/A	PRE	0	88	90	88	90	
5 LIGHTNING	70 DG	0.056	LB	A/A	12C					
5 DISTINCT	70 WG	0.175	LB	A/A	12C					
5 COC	L	1 QT/A		12C						
5 LIQUID N	L	1.5 QT/A		12C						
6 AATREX	4 F	1 LB	A/A	PRE	0	88	93	92	90	
6 LIGHTNING	70 DG	0.056	LB	A/A	12C					
6 DISTINCT	70 WG	0.175	LB	A/A	12C					
6 COC	L	1 QT/A		12C						
7 AATREX	4 F	1 LB	A/A	PRE	0	90	88	87	90	
7 LIGHTNING	70 DG	0.056	LB	A/A	12C					
7 DISTINCT	70 WG	0.175	LB	A/A	12C					
7 SPREADER HF		0.25	% V/V		12C					
7 LIQUID N	L	1.5 QT/A		12C						

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

## CORN POSTEMERGENCE IV

Trial ID: C1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA XANST AMBTR IPOS

Crop Code

ZEAMX INJURY CONTROL CONTROL CONTROL

Rating Data Type

PERCENT PERCENT PERCENT PERCENT PERCENT

Rating Unit

8 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK

Trt-Eval Interval

P P P P P

ARM Action Codes

0 0 0 0 0

# Subsamples, Dec.

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	XANST	AMBTR	IPOS		
8 AATREX	4 F		1 LB	A/A	PRE	0	87	92	92	90	
8 LIGHTNING	70 DG		0.056	LB	A/A	12C					
8 DISTINCT	70 WG		0.175	LB	A/A	12C					
8 SPREADER HF			0.25	% V/V		12C					
9 AATREX	4 F		1 LB	A/A	PRE	0	85	92	87	92	
9 LIGHTNING	70 DG		0.056	LB	A/A	18C					
9 DISTINCT	70 WG		0.175	LB	A/A	18C					
9 COC	L		1 QT/A			18C					
9 LIQUID N	L		1.5 QT/A			18C					
10 AATREX	4 F		1 LB	A/A	PRE	0	88	87	92	88	
10 LIGHTNING	70 DG		0.056	LB	A/A	18C					
10 DISTINCT	70 WG		0.175	LB	A/A	18C					
10 COC	L		1 QT/A			18C					
11 AATREX	4 F		1 LB	A/A	PRE	0	92	83	88	90	
11 LIGHTNING	70 DG		0.056	LB	A/A	18C					
11 DISTINCT	70 WG		0.175	LB	A/A	18C					
11 SPREADER HF			0.25	% V/V		18C					
11 LIQUID N	L		1.5 QT/A			18C					
12 AATREX	4 F		1 LB	A/A	PRE	0	85	90	88	90	
12 LIGHTNING	70 DG		0.056	LB	A/A	18C					
12 DISTINCT	70 WG		0.175	LB	A/A	18C					
12 SPREADER HF			0.25	% V/V		18C					
13 LEADOFF	5 CS		1.25	LB	A/A	PRE	0	90	83	83	87
13 BASIS GOLD	89.5 DF		0.78	LB	A/A	12C					
13 SPREADER HF			0.25	% V/V		12C					
14 LEADOFF	5 CS		1.25	LB	A/A	PRE	0	88	82	83	88
14 BASIS GOLD	89.5 DF		0.78	LB	A/A	18C					
14 SPREADER HF			0.25	% V/V		18C					
15 GUARDSMAN	5 E		1.88	LB	A/A	PRE	0	88	92	90	90
15 CELEBRITY PLUS	70 WG		0.22	LB	A/A	12C					
15 SPREADER HF			0.25	% V/V		12C					

09-24-01 (C1016)

AOV Means Table Page 3 of 4

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

## CORN POSTEMERGENCE IV

Trial ID: C1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	XANST	AMBTR	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	XANST	AMBTR	IPOSS	
16 GUARDSMAN	5 E		2.5 LB	A/A	PRE	0	90	93	92	92
16 CELEBRITY PLUS	70 WG		0.22 LB	A/A	12C					
16 SPREADER HF			0.25 %	V/V	12C					
17 GUARDSMAN MAX	5 E		1.5 LB	A/A	PRE	0	90	90	90	92
17 CELEBRITY PLUS	70 WG		0.22 LB	A/A	12C					
17 SPREADER HF			0.25 %	V/V	12C					
18 GUARDSMAN MAX	5 E		2 LB	A/A	PRE	0	90	87	90	90
18 CELEBRITY PLUS	70 WG		0.22 LB	A/A	12C					
18 SPREADER HF			0.25 %	V/V	12C					
19 BICEP II MAGNUM	5.5 L		2.88 LB	A/A	PRE	0	85	92	93	93
19 EXCEED	57 DF		0.036 LB	A/A	12C					
19 SPREADER HF			0.25 %	V/V	12C					
20 BICEP II MAGNUM	5.5 L		2.88 LB	A/A	PRE	0	87	83	78	83
20 ACCENT	75 WG		0.023 LB	A/A	12C					
20 SPREADER HF			0.25 %	V/V	12C					
21 LIGHTNING	70 DG		0.056 LB	A/A	12C	0	85	93	90	88
21 AATREX	4 F		1 LB	A/A	12C					
21 SPREADER HF			0.25 %	V/V	12C					
21 LIQUID N	L		1 QT/A		12C					
21 WEEDMAK										
22 SPIRIT	57 WG		0.036 LB	A/A	12C	0	87	85	87	87
22 COC	L		1 QT/A		12C					
22 WEEDMAK										
23 BEACON	75 DF		0.016 LB	A/A	12C	0	72	92	88	85
23 CLARITY	4 E		0.25 LB	A/A	12C					
23 SPREADER HF			0.25 %	V/V	12C					
23 WEEDMAK										
24 PERMIT	75 DF		0.036 LB	A/A	12C	0	87	83	77	80
24 ACCENT	75 WG		0.031 LB	A/A	12C					
24 COC	L		1 QT/A		12C					
24 WEEDMAK										

09-24-01 (C1016)

AOV Means Table Page 4 of 4

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

## CORN POSTEMERGENCE IV

Trial ID: C1016      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code	SETFA	XANST	AMBTR	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
---------------------------	-----------	-----------	-----------	-----------	-----

LSD (P=.05)	0.0	7.8	5.9	7.5	7.7
Standard Deviation	0.0	4.7	3.6	4.5	4.7
CV	0.0	5.43	4.06	5.16	5.25

09-24-01 (C1016)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE IV

Trial ID: C1016 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 04-26-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP. IPOMOEA SP.	

Crop 1: ZEAMX CORN, FIELD      Variety: GARST 8541IT

Planting Date: 04-26-01      Planting Method: ROW

Rate: 28000 S/A      Depth: 1.5 IN

Row Spacing: 30 IN      Seed Bed: MEDIUM

Soil Temperature: 59 F      Soil Moisture: NORMAL      Emergence Date: 05-03-01

#### SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL      Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand:	6	% OM:	2.6	Texture:	SILT LOAM
% Silt:	62	pH:	6.5	Soil Name:	MAURY
% Clay:	32	CEC:	17	Fert. Level:	EXCELLENT

09-24-01 (C1016)

Site Description Page 2 of 3

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

## CORN POSTEMERGENCE IV

Trial ID: C1016 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles SlackOverall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

	APPLICATION DESCRIPTION		
	A	B	C
<b>Application Date:</b>	04-26-01	05-22-01	05-25-01
<b>Time of Day:</b>	10:00	1:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	12C	18C
<b>Applie. Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	48 F	59 F	56 F
<b>% Relative Humidity:</b>	55	68	70
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	59 F	68 F	63 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10

	CROP STAGE AT EACH APPLICATION		
	A	B	C
<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX 12C	ZEAMX 18C
<b>Height, Unit:</b>		12 IN	18 IN

	WEED STAGE AT EACH APPLICATION		
	A	B	C
<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA 12C	SETFA 18C
<b>Stage Scale:</b>		2LF	4LF
<b>Density, Unit:</b>		2 IN	6 IN
<b>Weed 2 Code, Stage:</b>	XANST PRE	XANST 12C	XANST 18C
<b>Stage Scale:</b>		4LF	5LF
<b>Density, Unit:</b>		4 IN	5 IN
<b>Weed 3 Code, Stage:</b>	AMBTR PRE	AMBTR 12C	AMBTR 18C
<b>Stage Scale:</b>		6LF	8LF
<b>Density, Unit:</b>		4 IN	10 IN
<b>Weed 4 Code, Stage:</b>	IPOSS PRE	IPOSS 12C	IPOSS 18C
<b>Stage Scale:</b>		2LF	6LF
<b>Density, Unit:</b>		2 IN	8 IN

09-24-01 (C1016)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE IV

Trial ID: C1016 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>	<b>C</b>
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2

09-19-01 (C1017)

AOV Means Table Page 1 of 3

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

## CORN POSTEMERGENCE V

Trial ID: C1017

Study Dir.: CHARLES H.SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	ABUTH	AMBTR	IPOSS		SETFA	ABUTH	AMBTR	IPOSS
Crop Code		ZEAMX		ZEAMX			ZEAMX		ZEAMX	
Rating Data Type		INJURY	CONTROL	CONTROL	CONTROL		INJURY	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		2 WEEK	2 WEEK	2 WEEK	2 WEEK		4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes		P	P	P	P		P	P	P	P
# Subsamples, Dec.		0	0	0	0		0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
1 PRINCEP	4 F		1 LB	A/A	PRE	0	47	93	93	92
1 AIM	40 DF		0.008	LB	A/A	MP				
1 AATREX	4 F		0.5	LB	A/A	MP				
1 CLARITY	4 E		0.125	LB	A/A	MP				
1 SPREADER HF			0.25 %	V/V		MP				
2 PRINCEP	4 F		1 LB	A/A	PRE	0	77	95	92	90
2 AIM	40 DF		0.008	LB	A/A	MP				
2 AATREX	4 F		0.5	LB	A/A	MP				
2 COC	L		1 QT/A			MP				
3 PRINCEP	4 F		1 LB	A/A	PRE	0	30	95	95	95
3 AIM	40 DF		0.008	LB	A/A	MP				
3 CLARITY	4 E		0.125	LB	A/A	MP				
3 SPREADER HF			0.25 %	V/V		MP				
4 PRINCEP	4 F		1 LB	A/A	PRE	0	53	93	93	90
4 AIM	40 DF		0.008	LB	A/A	MP				
4 SPIRIT	57 WG		0.036	LB	A/A	MP				
4 SPREADER HF			0.25 %	V/V		MP				
5 PRINCEP	4 F		1 LB	A/A	PRE	0	58	95	95	92
5 AIM	40 DF		0.008	LB	A/A	MP				
5 EXCEED	57 DF		0.036	LB	A/A	MP				
5 SPREADER HF			0.25 %	V/V		MP				
6 PRINCEP	4 F		1 LB	A/A	PRE	0	93	83	85	87
6 AIM	40 DF		0.008	LB	A/A	MP				
6 LIGHTNING	70 DG		0.056	LB	A/A	MP				
6 SPREADER HF			0.25 %	V/V		MP				
7 PRINCEP	4 F		1 LB	A/A	PRE	0	53	93	93	92
7 AIM	40 DF		0.008	LB	A/A	MP				
7 DISTINCT	70 WG		0.262	LB	A/A	MP				
7 SPREADER HF			0.25 %	V/V		MP				

09-19-01 (C1017)

AOV Means Table Page 2 of 3

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

## CORN POSTEMERGENCE V

Trial ID: C1017

Study Dir.: CHARLES H.SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	ABUTH	AMBTR	IPOSS		SETFA	ABUTH	AMBTR	IPOSS
Crop Code		ZEAMX				ZEAMX				
Rating Data Type		INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK				
ARM Action Codes		P	P	P	P	P	P	P	P	P
# Subsamples, Dec.		0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	
8 PRINCEP	4 F		1 LB	A/A	PRE	0	93	87	88	88	0	92	85	87	87	85	
8 AIM	40 DF		0.008	LB	A/A MP												
8 BASIS GOLD	89.5 DF		0.78	LB	A/A MP												
8 SPREADER HF			0.25	%	V/V MP												
9 PRINCEP	4 F		1 LB	A/A	PRE	0	92	87	88	88	0	88	87	87	87	87	
9 LIGHTNING	70 DG		0.056	LB	A/A MP												
9 SPREADER HF			0.25	%	V/V MP												
9 LIQUID N	L		1 QT/A		MP												
10 PRINCEP	4 F		1 LB	A/A	PRE	0	75	93	92	92	0	72	92	92	92	87	
10 EXCEED	57 DF		0.036	LB	A/A MP												
10 COC	L		1 QT/A		MP												
11 PRINCEP	4 F		1 LB	A/A	PRE	0	92	85	83	83	0	90	85	83	83	83	
11 BASIS GOLD	89.5 DF		0.78	LB	A/A MP												
11 COC	L		1 QT/A		MP												
11 LIQUID N	L		1 QT/A		MP												
12 PRINCEP	4 F		1 LB	A/A	PRE	0	62	93	90	90	0	57	93	88	88	88	
12 DISTINCT	70 WG		0.262	LB	A/A MP												
12 SPREADER HF			0.25	%	V/V MP												
13 PRINCEP	4 F		1 LB	A/A	PRE	0	87	92	93	90	0	87	92	90	85	85	
13 SPIRIT	57 WG		0.036	LB	A/A MP												
13 COC	L		1 QT/A		MP												
13 LIQUID N	L		1 QT/A		MP												
14 AXIOM	68 DF		0.72	LB	A/A 2LC	0	80	50	47	37	0	82	50	47	37		
15 DEFINE	60 DF		0.56	LB	A/A 2LC	0	60	37	17	38	0	60	37	17	33		
16 AXIOM	68 DF		0.72	LB	A/A 2LC	0	95	90	87	92	0	95	90	85	90		
16 AATREX	4 F		1.5	LB	A/A 2LC												
17 DEFINE	60 DF		0.56	LB	A/A 2LC	0	93	85	75	82	0	92	85	73	80		
17 AATREX	4 F		1.5	LB	A/A 2LC												

09-19-01 (C1017)

AOV Means Table Page 3 of 3

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

## CORN POSTEMERGENCE V

Trial ID: C1017

Study Dir.: CHARLES H.SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	ABUTH	AMBTR	IPOSS		SETFA	ABUTH	AMBTR	IPOSS
Crop Code		ZEAMX		ZEAMX			ZEAMX		ZEAMX	
Rating Data Type		INJURY	CONTROL	CONTROL	CONTROL		INJURY	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		2 WEEK	2 WEEK	2 WEEK	2 WEEK		4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes		P	P	P	P		P	P	P	P
# Subsamples, Dec.		0	0	0	0		0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS	SETFA	ABUTH	AMBTR	IPOSS
18 AXIOM	68 DF		0.72 LB A/A PRE			0	90	85	87	87	0	90	85
18 AATREX	4 F		1.5 LB A/A MP <12C									87	83
18 COC	L		1 QT/A MP <12C										
19 EPIC	58 DF		0.4 LB A/A PRE			0	92	90	88	92	0	92	90
19 AATREX	4 F		1.5 LB A/A MP <12C									83	87
19 COC	L		1 QT/A MP <12C										
20 EPIC	58 DF		0.29 LB A/A PRE			0	90	88	83	88	0	88	83
20 DEFINE	60 DF		0.34 LB A/A PRE										85
20 AATREX	4 F		1.5 LB A/A MP <12C										
20 COC	L		1 QT/A MP <12C										
21 DEFINE	60 DF		0.56 LB A/A PRE			0	88	85	83	87	0	85	83
21 AATREX	4 F		1.5 LB A/A MP <12C									82	
21 COC	L		1 QT/A MP <12C										
22 BICEP II MAGNUM	5.5 L		2.88 LB A/A PRE			0	85	90	88	90	0	83	90
22 HORNET	85.6 WG		0.086 LB A/A MP <12C									83	88
22 COC	L		1 QT/A MP <12C										
23 BICEP II MAGNUM	5.5 L		2.88 LB A/A PRE			0	90	95	93	92	0	88	90
23 HORNET	85.6 WG		0.086 LB A/A MP <12C									90	92
23 AATREX	4 F		1.25 LB A/A MP <12C									87	
23 COC	L		1 QT/A MP <12C										
24 BICEP II MAGNUM	5.5 L		2.88 LB A/A PRE			0	85	67	65	60	0	83	67
24 PYTHON	80 WG		0.05 LB A/A PRE									67	63
24												52	
25 FULTIME	4 CS		2.8 LB A/A PRE			0	88	67	55	67	0	88	67
25 PYTHON	80 WG		0.0625 LB A/A PRE									55	60
26 CHECK UNTREATED						0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	24.6	14.1	13.3	14.8	0.0	25.2	14.5
Standard Deviation						0.0	14.9	8.5	8.1	9.0	0.0	15.3	8.8
CV						0.0	19.9	10.48	10.22	11.21	0.0	20.69	10.89
												10.09	11.31

09-19-01 (C1017)

AOV Means Table Page 1 of 3

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

## CORN POSTEMERGENCE V

Trial ID: C1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code  
 Crop Code  
 Rating Data Type  
 Rating Unit  
 Trt-Eval Interval  
 ARM Action Codes  
 # Subsamples, Dec.

	SETFA	ABUTH	AMBTR	IPOSS
ZEAMX				
INJURY	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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	45	88	90	87
1 PRINCEP	4 F		1 LB	A/A	PRE					
1 AIM	40 DF		0.008	LB	A/A	MP				
1 AATREX	4 F		0.5	LB	A/A	MP				
1 CLARITY	4 E		0.125	LB	A/A	MP				
1 SPREADER HF			0.25	%	V/V	MP				
2 PRINCEP	4 F		1 LB	A/A	PRE					
-2 AIM	40 DF		0.008	LB	A/A	MP				
2 AATREX	4 F		0.5	LB	A/A	MP				
2 COC	L		1 QT/A		MP					
3 PRINCEP	4 F		1 LB	A/A	PRE					
3 AIM	40 DF		0.008	LB	A/A	MP				
3 CLARITY	4 E		0.125	LB	A/A	MP				
3 SPREADER HF			0.25	%	V/V	MP				
4 PRINCEP	4 F		1 LB	A/A	PRE					
4 AIM	40 DF		0.008	LB	A/A	MP				
4 SPIRIT	57 WG		0.036	LB	A/A	MP				
4 SPREADER HF			0.25	%	V/V	MP				
5 PRINCEP	4 F		1 LB	A/A	PRE					
5 AIM	40 DF		0.008	LB	A/A	MP				
5 EXCEED	57 DF		0.036	LB	A/A	MP				
5 SPREADER HF			0.25	%	V/V	MP				
6 PRINCEP	4 F		1 LB	A/A	PRE					
6 AIM	40 DF		0.008	LB	A/A	MP				
6 LIGHTNING	70 DG		0.056	LB	A/A	MP				
6 SPREADER HF			0.25	%	V/V	MP				
7 PRINCEP	4 F		1 LB	A/A	PRE					
7 AIM	40 DF		0.008	LB	A/A	MP				
7 DISTINCT	70 WG		0.262	LB	A/A	MP				
7 SPREADER HF			0.25	%	V/V	MP				

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

## CORN POSTEMERGENCE V

Trial ID: C1017 Study Dir.: CHARLES H.SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMBTR	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS
8 PRINCEP	4 F		1 LB	A/A	PRE	0	85	83	85
8 AIM	40 DF		0.008	LB	A/A	MP			
8 BASIS GOLD	89.5 DF		0.78	LB	A/A	MP			
8 SPREADER HF			0.25	%	V/V	MP			
9 PRINCEP	4 F		1 LB	A/A	PRE	0	82	85	85
9 LIGHTNING	70 DG		0.056	LB	A/A	MP			
9 SPREADER HF			0.25	%	V/V	MP			
9 LIQUID N	L		1 QT/A		MP				
10 PRINCEP	4 F		1 LB	A/A	PRE	0	72	92	87
10 EXCEED	57 DF		0.036	LB	A/A	MP			
10 COC	L		1 QT/A		MP				
11 PRINCEP	4 F		1 LB	A/A	PRE	0	90	82	83
11 BASIS GOLD	89.5 DF		0.78	LB	A/A	MP			
11 COC	L		1 QT/A		MP				
11 LIQUID N	L		1 QT/A		MP				
12 PRINCEP	4 F		1 LB	A/A	PRE	0	57	93	88
12 DISTINCT	70 WG		0.262	LB	A/A	MP			
12 SPREADER HF			0.25	%	V/V	MP			
13 PRINCEP	4 F		1 LB	A/A	PRE	0	87	90	90
13 SPIRIT	57 WG		0.036	LB	A/A	MP			
13 COC	L		1 QT/A		MP				
13 LIQUID N	L		1 QT/A		MP				
14 AXIOM	68 DF		0.72	LB	A/A	2LC	0	78	50
15 DEFINE	60 DF		0.56	LB	A/A	2LC	0	60	37
16 AXIOM	68 DF		0.72	LB	A/A	2LC	0	93	88
16 AATREX	4 F		1.5	LB	A/A	2LC			83
17 DEFINE	60 DF		0.56	LB	A/A	2LC	0	87	85
17 AATREX	4 F		1.5	LB	A/A	2LC			73
									80

09-19-01 (C1017)

AOV Means Table Page 3 of 3

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

## CORN POSTEMERGENCE V

Trial ID: C1017

Study Dir.: CHARLES H.SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA ABUTH AMBTR IPOSS

ZEAMX

Crop Code

INJURY CONTROL CONTROL CONTROL CONTROL

Rating Data Type

PERCENT PERCENT PERCENT PERCENT PERCENT

Rating Unit

8 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK

Trt-Eval Interval

P P P P P

ARM Action Codes

0 0 0 0 0

# Subsamples, Dec.

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS
18 AXIOM	68 DF		0.72 LB	A/A PRE		0	90	85	87
18 AATREX	4 F		1.5 LB	A/A MP <12C					
18 COC	L		1 QT/A	MP <12C					
19 EPIC	58 DF		0.4 LB	A/A PRE		0	90	87	83
19 AATREX	4 F		1.5 LB	A/A MP <12C					
19 COC	L		1 QT/A	MP <12C					
20 EPIC	58 DF		0.29 LB	A/A PRE		0	87	88	83
20 DEFINE	60 DF		0.34 LB	A/A PRE					
20 AATREX	4 F		1.5 LB	A/A MP <12C					
20 COC	L		1 QT/A	MP <12C					
21 DEFINE	60 DF		0.56 LB	A/A PRE		0	83	85	83
21 AATREX	4 F		1.5 LB	A/A MP <12C					
21 COC	L		1 QT/A	MP <12C					
22 BICEP II MAGNUM	5.5 L		2.88 LB	A/A PRE		0	83	90	83
22 HORNET	85.6 WG		0.086 LB	A/A MP <12C					
22 COC	L		1 QT/A	MP <12C					
23 BICEP II MAGNUM	5.5 L		2.88 LB	A/A PRE		0	85	88	90
23 HORNET	85.6 WG		0.086 LB	A/A MP <12C					
23 AATREX	4 F		1.25 LB	A/A MP <12C					
23 COC	L		1 QT/A	MP <12C					
24 BICEP II MAGNUM	5.5 L		2.88 LB	A/A PRE		0	82	65	63
24 PYTHON	80 WG		0.05 LB	A/A PRE					
25 FULTIME	4 CS		2.8 LB	A/A PRE		0	88	67	55
25 PYTHON	80 WG		0.0625 LB	A/A PRE					
26 CHECK UNTREATED						0	0	0	0
LSD (P=.05)						0.0	26.0	14.0	13.7
Standard Deviation						0.0	15.7	8.5	8.3
CV						0.0	21.78	10.7	10.93
									16.66

09-19-01 (C1017)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE V

Trial ID: C1017 Study Dir.: CHARLES H.SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-25-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP. IPOMOEA SP.

**Crop 1:** ZEAMX- CORN, FIELD

**Variety:** GARST 8541 IT

**Planting Date:** 04-25-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 59 F

**Soil Moisture:** NORMAL

**Emergence Date:** 05-02-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                   **Plot Length, Unit:** 44 FT                   **Reps:** 3

**Site Type:** FIELD

**Study Design:** RANDOMIZED COMPLETE BLOCK

**Tillage Type:** CONVENTIONAL

**SOIL DESCRIPTION**

% Sand:	6	% OM:	3.6	<b>Texture:</b>	SILT LOAM
% Silt:	62	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	32	CEC:	17	<b>Fert. Level:</b>	ECELLENT

09-19-01 (C1017)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE V

Trial ID: C1017                    Study Dir.: CHARLES H.SLACK  
Location: LEXINGTON, KY.            Investigator: Charles SlackOverall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5      Unit: MI

**APPLICATION DESCRIPTION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Application Date:</b>	04-25-01	05-10-01	05-22-01	05-22-01
<b>Time of Day:</b>	10:00	11:00	10:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	2LC	MP<12C	MP
<b>Applc. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	48 F	67 F	59 F	59 F
<b>% Relative Humidity:</b>	55	70	68	68
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	4 MPH	4 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	59 F	68 F	68 F	68 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	10	20	20

**CROP STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX 2LC	ZEAMX MP<12C	ZEAMX MP
<b>Height, Unit:</b>		3 IN	12 IN	12 IN

**WEED STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA 2LC	SETFA MP<12C	SETFA MP
<b>Stage Scale:</b>		2LF	3LF	3LF
<b>Density, Unit:</b>		2 IN	3 IN	3 IN
<b>Weed 2 Code, Stage:</b>	ABUTH PRE	ABUTH 2LC	ABUTH MP<12C	ABUTH MP
<b>Stage Scale:</b>		2LF	3LF	3LF
<b>Density, Unit:</b>		2 IN	4 IN	4 IN
<b>Weed 3 Code, Stage:</b>	AMBTR PRE	AMBTR 2LC	AMBTR MP<12C	AMBTR MP
<b>Stage Scale:</b>		2LF	6LF	6LF
<b>Density, Unit:</b>		2 IN	4 IN	4 IN
<b>Weed 4 Code, Stage:</b>	IPOSS PRE	IPOSS 2LC	IPOSS MP<12C	IPOSS MP
<b>Stage Scale:</b>		COTYLEDON	3LF	3LF
<b>Density, Unit:</b>		2 IN	2 IN	2 IN

09-19-01 (C1017)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE V

Trial ID: C1017

Study Dir.: CHARLES H.SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2	CO2

09-19-01 (C1018)

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

AOV Means Table Page 1 of 2

## CORN POSTEMERGENCE VI

Trial ID: C1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	XANST	ABUTH	AMBTR	IPOSS	SETFA	XANST	ABUTH	AMBTR	IPOSS		
							ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL		
							P	P	P	P	P	P	P	P	P	P		
							0	0	0	0	0	0	0	0	0	0		
1 CHECK UNTREATED							0	0	0	0	0	0	0	0	0	0		
2 DUAL II MAGNUM	7.6 EC	1.59 LB A/A PRE					0	90	55	43	47	45	0	88	47	40	38	45
2 MESOTRIONE	4 SC	0.188 LB A/A PRE																
3 DUAL II MAGNUM	7.6 EC	1.59 LB A/A PRE					0	87	60	55	55	57	0	85	57	48	50	57
3 MESOTRIONE	4 SC	0.188 LB A/A PRE																
3 AATREX	4 F	1 LB A/A PRE																
4 BICEP II MAGNUM	5.5 L	2.89 LB A/A PRE					0	90	68	70	70	68	0	88	60	67	65	68
5 DUAL II MAGNUM	7.6 EC	1.59 LB A/A PRE					0	82	92	88	90	88	0	78	85	83	82	88
5 CALLISTO	4 SC	0.094 LB A/A 12"C																
5 COC	L	1 QT/A 12"C																
5 LIQUID N	L	2.5 QT/A 12"C																
6 BICEP II MAGNUM	5.5 L	2.89 LB A/A PRE					0	85	93	93	95	90	0	85	87	90	88	90
6 CALLISTO	4 SC	0.094 LB A/A 12"C																
6 COC	L	1 QT/A 12"C																
6 LIQUID N	L	2.5 QT/A 12"C																
7 DUAL II MAGNUM	7.6 EC	1.59 LB A/A PRE					0	90	93	93	93	90	0	85	87	88	88	90
7 CALLISTO	4 SC	0.094 LB A/A 12"C																
7 AATREX	4 F	0.25 LB A/A 12"C																
7 COC	L	1 QT/A 12"C																
7 LIQUID N	L	2.5 QT/A 12"C																
8 FRONTIER	6 E	1.4 LB A/A PRE					0	93	88	90	88	87	0	87	83	87	87	87
8 DISTINCT	70 WG	0.175 LB A/A 12"C																
8 SPREADER HF		0.25 % V/V 12"C																
8 LIQUID N	L	1 QT/A 12"C																
9 BICEP II MAGNUM	5.5 L	2.89 LB A/A PRE					0	92	93	95	93	90	0	88	85	87	88	90
9 SPIRIT	57 WG	0.036 LB A/A 12"C																
9 COC	L	1 QT/A 12"C																
9 LIQUID N	L	2.5 QT/A 12"C																

09-19-01 (C1018)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE VI

Trial ID: C1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	XANST	ABUTH	AMBTR	IPOSS	SETFA	XANST	ABUTH	AMBTR	IPOSS
Crop Code	ZEAMX					ZEAMX				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT									
Trt-Eval Interval	2 WEEK	4 WEEK								
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit									
10 AATREX	4 F	1.6 LB	A/A	PRE	0	95	93	93	95	88	0	88	88
10 LIGHTNING	70 DG	0.056 LB	A/A	12°C									
10 COC	L	1 QT/A		12°C									
10 LIQUID N	L	1 QT/A		12°C									
LSD (P=.05)	0.0	7.4	17.8	16.9	16.8	14.4	0.0	9.5	21.7	19.1	18.7	14.4	
Standard Deviation	0.0	4.3	10.4	9.9	9.8	8.4	0.0	5.5	12.7	11.1	10.9	8.4	
CV	0.0	5.37	14.07	13.65	13.51	11.95	0.0	7.17	18.69	16.33	16.07	11.95	

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

## CORN POSTEMERGENCE VI

Trial ID: C1018      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code	SETFA	XANST	ABUTH	AMBTR	IPOSS
Crop Code	ZEAMX				
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
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	XANST	ABUTH	AMBTR	IPOSS
1	CHECK UNTREATED						0	0	0	0	0
2	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		0	85	47	40	38
2	MESOTRIONE	4 SC	0.188 LB	A/A	PRE						45
3	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		0	85	53	47	50
3	MESOTRIONE	4 SC	0.188 LB	A/A	PRE						55
3	AATREX	4 F	1 LB	A/A	PRE						
4	BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		0	85	60	65	65
5	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		0	77	85	80	80
5	CALLISTO	4 SC	0.094 LB	A/A	12"C						83
5	CO.C	L	1 QT/A		12"C						
5	LIQUID N	L	2.5 QT/A		12"C						
6	BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		0	85	87	87	88
6	CALLISTO	4 SC	0.094 LB	A/A	12"C						85
6	CO.C	L	1 QT/A		12"C						
6	LIQUID N	L	2.5 QT/A		12"C						
7	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		0	83	85	85	88
7	CALLISTO	4 SC	0.094 LB	A/A	12"C						87
7	AATREX	4 F	0.25 LB	A/A	12"C						
7	CO.C	L	1 QT/A		12"C						
7	LIQUID N	L	2.5 QT/A		12"C						
8	FRONTIER	6 E	1.4 LB	A/A	PRE		0	83	82	87	87
8	DISTINCT	70 WG	0.175 LB	A/A	12"C						80
8	SPREADER HF		0.25 %	V/V	12"C						
8	LIQUID N	L	1 QT/A		12"C						
9	BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		0	85	83	85	88
9	SPIRIT	57 WG	0.036 LB	A/A	12"C						80
9	CO.C	L	1 QT/A		12"C						
9	LIQUID N	L	2.5 QT/A		12"C						

09-19-01 (C1018)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE VI

Trial ID: C1018      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code		SETFA	XANST	ABUTH	AMBTR	IPOSS
Crop Code	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit		8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval		P	P	P	P	P
ARM Action Codes		0	0	0	0	0
# Subsamples, Dec.						
Trt Treatment	Form Form	Rate	Grow			
No. Name	Conc Type	Rate	Unit	Stg		
10 AATREX	4 F	1.6 LB	A/A	PRE	0	85
10 LIGHTNING	70 DG	0.056 LB	A/A	12"C		88
10 COC	L	1 QT/A		12"C		90
10 LIQUID N	L	1 QT/A		12"C		90
LSD (P=.05)		0.0	9.4	19.3	17.5	18.8
Standard Deviation		0.0	5.5	11.3	10.2	11.0
CV		0.0	7.26	16.82	15.31	16.26
						14.0
						8.2
						12.38

09-19-01 (C1018)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE VI

Trial ID: C1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                    **Trial Status:** COMPLETE  
**State/Prov.:** KY                    **Initiation Date:** 04-25-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                    Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
3.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
4.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
5.	IPOSS MORNINGGLORY, IPOMOEA SP. IPOMOEA SP.	

**Crop 1:** ZEAMX CORN, FIELD                    **Variety:** GARST 8541IT

**Planting Date:** 04-25-01                    **Planting Method:** ROW

**Rate:** 28000 S/A                    **Depth:** 1.5 IN

**Row Spacing:** 30 IN                    **Seed Bed:** MEDIUM

**Soil Temperature:** 59 F                    **Soil Moisture:** NORMAL                    **Emergence Date:** 05-02-01

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT                    **Plot Length, Unit:** 44 FT                    **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.5	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.4	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

09-19-01 (C1018)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE VI

Trial ID: C1018                      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5      Unit: MI

APPLICATION DESCRIPTION

A                      B

Application Date:	04-26-01	05-22-01
Time of Day:	10:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	12C
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	52    F	59    F
% Relative Humidity:	55	68
Wind Velocity, Unit:	3      MPH	4      MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	59    F	68    F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20

CROP STAGE AT EACH APPLICATION

A                      B

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 12"C
Height, Unit:	10	IN

09-19-01 (C1018)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE VI

Trial ID: C1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**WEED STAGE AT EACH APPLICATION**

A	B
Weed 1 Code, Stage:	SETFA PRE
Stage Scale:	3LF
Density, Unit:	3 IN
Weed 2 Code, Stage:	XANST PRE
Stage Scale:	8LF
Density, Unit:	3 IN
Weed 3 Code, Stage:	ABUTH PRE
Stage Scale:	3LF
Density, Unit:	4 IN
Weed 4 Code, Stage:	AMBTR PRE
Stage Scale:	6LF
Density, Unit:	4 IN
Weed 5 Code, Stage:	IPOSS PRE
Stage Scale:	3LF
Density, Unit:	2 IN

**APPLICATION EQUIPMENT**

A	B	
Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	19 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-19-01 (C1014-2)

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

AOV Means Table Page 1 of 2

## CORN POSTEMERGENCE VII

Trial ID: C1014-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	IPOSS	SETFA	IPOSS	SETFA	IPOSS
	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
INJURY	CONTROL	CONTROL	INJURY	CONTROL	INJURY	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS
P	P	P	P	P	P	P
0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	IPOSS	SETFA	IPOSS	SETFA	IPOSS		
1 AE F130360	70 WG	0.055	LB A/A	MP		0	95	90	0	58	85	0	58	85
1 MSO	L	0.75	QT/A	MP										
1 LIQUID N	L	2	QT/A	MP										
2 AE F130360	70 WG	0.066	LB A/A	MP		0	93	92	0	60	88	0	60	85
2 MSO	L	0.75	QT/A	MP										
2 LIQUID N	L	2	QT/A	MP										
3 AE F130360	70 WG	0.077	LB A/A	MP		0	93	92	0	50	90	0	50	88
3 MSO	L	0.75	QT/A	MP										
3 LIQUID N	L	2	QT/A	MP										
4 AE F130360	70 WG	0.055	LB A/A	MP		0	93	90	0	45	80	0	45	80
4 LIQUID 10		1 %	V/V	MP										
4 LIQUID N	L	2	QT/A	MP										
5 AE F130360	70 WG	0.066	LB A/A	MP		0	93	90	0	45	85	0	45	85
5 LIQUID 10		1 %	V/V	MP										
5 LIQUID N	L	2	QT/A	MP										
6 AE F130360	70 WG	0.077	LB A/A	MP		0	93	93	0	55	90	0	55	87
6 LIQUID 10		1 %	V/V	MP										
6 LIQUID N	L	2	QT/A	MP										
7 AE F130360	70 WG	0.055	LB A/A	MP		0	95	93	0	63	87	0	63	87
7 DISTINCT	70 WG	0.131	LB A/A	MP										
7 MSO	L	0.75	QT/A	MP										
7 LIQUID N	L	2	QT/A	MP										
8 AE F130360	70 WG	0.066	LB A/A	MP		0	87	92	0	65	90	0	65	88
8 DISTINCT	70 WG	0.131	LB A/A	MP										
8 MSO	L	0.75	QT/A	MP										
8 LIQUID N	L	2	QT/A	MP										
9 AE F130360	70 WG	0.077	LB A/A	MP		0	95	92	0	68	90	0	68	87
9 DISTINCT	70 WG	0.131	LB A/A	MP										
9 MSO	L	0.75	QT/A	MP										
9 LIQUID N	L	2	QT/A	MP										

09-19-01 (C1014-2)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE VII

Trial ID: C1014-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA IPOSS SETFA IPOSS SETFA IPOSS

Crop Code

ZEAMX ZEAMX ZEAMX

Rating Data Type

INJURY CONTROL CONTROL INJURY CONTROL CONTROL INJURY CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

2 WEEKS 2 WEEKS 2 WEEKS 4 WEEKS 4 WEEKS 4 WEEKS 8 WEEKS 8 WEEKS

ARM Action Codes

P P P P P P P P P

# Subsamples, Dec.

0 0 0 0 0 0 0 0 0

Trt Treatment	Form	Form	Rate	Grow					
No. Name	Conc	Type	Rate	Unit	Stg				
10 AE F130360	70 WG	0.055 LB	A/A	MP	0	93	93	0	75
10 DISTINCT	70 WG	0.131 LB	A/A	MP					92
10 LIQUID 10		1 % V/V		MP					0
10 LIQUID N	L	2 QT/A		MP					75
10									90
11 AE F130360	70 WG	0.066 LB	A/A	MP	0	88	93	0	65
11 DISTINCT	70 WG	0.131 LB	A/A	MP					90
11 LIQUID 10		1 % V/V		MP					0
11 LIQUID N	L	2 QT/A		MP					65
11									88
12 AE F130360	70 WG	0.077 LB	A/A	MP	0	90	92	0	70
12 DISTINCT	70 WG	0.131 LB	A/A	MP					90
12 LIQUID 10		1 % V/V		MP					0
12 LIQUID N	L	2 QT/A		MP					70
12									87
13 AE F130360	61 WG	0.067 LB	A/A	MP	0	95	90	0	65
13 MSO	L	0.75 QT/A		MP					90
13 LIQUID N	L	2 QT/A		MP					0
13									65
13									88
14 STEADFAST	75 WG	0.035 LB	A/A	MP	0	95	93	0	65
14 DISTINCT	70 WG	0.131 LB	A/A	MP					90
14 COC	L	1 QT/A		MP					0
14 LIQUID N	L	2 QT/A		MP					65
14									85
LSD (P=.05)		0.0	4.3		4.2	0.0	2.1	3.6	0.0
Standard Deviation		0.0	2.6		2.5	0.0	1.2	2.1	0.0
CV		0.0	2.77		2.73	0.0	2.02	2.4	0.0
									2.02
									3.28

09-19-01 (C1014-2)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE VII

Trial ID: C1014-2 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON      **Trial Status:** COMPLETE  
**State/Prov.:** KY      **Initiation Date:** 05-02-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD      **Variety:** GARST 8541IT

**Planting Date:** 05-02-01      **Planting Method:** ROW

**Rate:** 28000 S/A      **Depth:** 1.5 IN

**Row Spacing:** 30 IN      **Seed Bed:** MEDIUM

**Soil Temperature:** 66 F      **Soil Moisture:** ADEQUATE      **Emergence Date:** 05-09-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT      **Plot Length, Unit:** 44 FT      **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL      **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.6	<b>Texture:</b>	SILT LOAM
% Silt:	62	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	32	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** SPINDLETOP      **Distance:** 1.5      **Unit:** MI

09-19-01 (C1014-2)

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

Site Description Page 2 of 3

CORN POSTEMERGENCE VII

Trial ID: C1014-2                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

**APPLICATION DESCRIPTION**

**A**

**Application Date:** 05-31-01  
**Time of Day:** 10:00  
**Application Method:** SPRAY  
**Application Timing:** MP  
**Applic. Placement:** BROFOL  
**Air Temp., Unit:** 64 F  
**% Relative Humidity:** 69  
**Wind Velocity, Unit:** 4 MPH  
**Dew Presence (Y/N):** N  
**Soil Temp., Unit:** 69 F  
**Soil Moisture:** ADEQUATE  
**% Cloud Cover:** 10

**CROP STAGE AT EACH APPLICATION**

**A**

**Crop 1 Code, Stage:** ZEAMX MP  
**Height, Unit:** 12 IN

**WEED STAGE AT EACH APPLICATION**

**A**

**Weed 1 Code, Stage:** SETFA MP  
**Stage Scale:** 4LF  
**Density, Unit:** 4 IN  
**Weed 2 Code, Stage:** IPOSS MP  
**Stage Scale:** 2LF  
**Density, Unit:** 2 IN

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

## CORN POSTEMERGENCE VII

Trial ID: C1014-2                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

## APPLICATION EQUIPMENT

**A**

Appl. Equipment: BACKPACK  
Operating Pressure: 30  
Nozzle Type: FLAT FAN  
Nozzle Size: 8004 DG  
Nozzle Spacing, Unit: 20 IN  
Boom Length, Unit: 5 FT  
Boom Height, Unit: 20 IN  
Ground Speed, Unit: 3.5 MPH  
Carrier: WATER  
Spray Volume, Unit: 24 GPA  
Propellant: CO2

09-19-01 (C1018-2)

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

AOV Means Table Page 1 of 2

## CORN POSTEMERGENCE VIII

Trial ID: C1018-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.				ZEAMX						ZEAMX							
				INJURY		CONTROL		CONTROL		CONTROL		INJURY		CONTROL		CONTROL	
				PERCENT													
				2 WEEK	4 WEEK												
				P	P	P	P	P	P	P	P	P	P	P	P	P	P
				0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	Form Conc Form Type	Rate Unit	Grow Stg														
1 CHECK UNTREATED					0	0	0	0	0	0	0	0	0	0	0	0	0
2 DUAL II MAGNUM 2 MESOTRIONE	7.6 EC 4 SC	1.59 LB 0.188 LB	A/A PRE A/A PRE		0	90	60	62	47	43	0	90	47	48	42	38	
3 DUAL II MAGNUM 3 MESOTRIONE 3 AATREX	7.6 EC 4 SC 4 F	1.59 LB 0.188 LB 1 LB	A/A PRE A/A PRE A/A PRE		0	95	92	93	92	88	0	95	90	88	83	83	
4 BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE		0	93	90	92	90	87	0	93	88	87	82	85	
5 DUAL II MAGNUM 5 CALLISTO 5 COC 5 LIQUID N	7.6 EC 4 SC L L	1.59 LB 0.094 LB 1 QT/A 2.5 QT/A	A/A PRE A/A 12"C 12"C 12"C		0	92	95	95	95	92	0	92	90	90	88	88	
6 BICEP II MAGNUM 6 CALLISTO 6 COC 6 LIQUID N	5.5 L 4 SC L L	2.89 LB 0.094 LB 1 QT/A 2.5 QT/A	A/A PRE A/A 12"C 12"C 12"C		0	95	95	95	95	92	0	95	88	90	88	87	
7 DUAL II MAGNUM 7 CALLISTO 7 AATREX 7 COC 7 LIQUID N	7.6 EC 4 SC 4 F L L	1.59 LB 0.094 LB 0.25 LB 1 QT/A 2.5 QT/A	A/A PRE A/A 12"C A/A 12"C 12"C 12"C		0	95	95	95	95	92	0	95	90	88	85	85	
8 FRONTIER 8 DISTINCT 8 SPREADER HF 8 LIQUID N	6 E 70 WG	1.4 LB 0.175 LB 0.25 % V/V 1 QT/A	A/A PRE A/A 12"C 12"C 12"C		0	95	95	95	93	87	0	95	90	87	88	80	
9 BICEP II MAGNUM 9 SPIRIT 9 COC 9 LIQUID N	5.5 L 57 WG L L	2.89 LB 0.036 LB 1 QT/A 2.5 QT/A	A/A PRE A/A 12"C 12"C 12"C		0	95	95	95	93	90	0	95	88	88	88	85	

09-19-01 (C1018-2)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE VIII

Trial ID: C1018-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	XANST	ABUTH	AMBTR	IPOSS	SETFA	XANST	ABUTH	AMBTR	IPOSS
Crop Code	ZEAMX					ZEAMX				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT									
Trt-Eval Interval	2 WEEK	4 WEEK								
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	95	95	93	90	0	95	87	90	87	87
10 AATREX	4 F	1.6 LB	A/A	PRE		0	95	95	93	90	0	95	87	90	87	87
10 LIGHTNING	70 DG	0.056 LB	A/A	12"C												
10 COC	L	1 QT/A		12"C												
10 LIQUID N	L	1 QT/A		12"C												
LSD (P=.05)		0.0	2.3	12.2	11.9	14.7	20.9	0.0	2.3	19.2	19.6	13.5	21.6			
Standard Deviation		0.0	1.4	7.1	7.0	8.6	12.2	0.0	1.4	11.2	11.4	7.9	12.6			
CV		0.0	1.61	8.78	8.53	10.8	16.03	0.0	1.61	14.77	15.1	10.79	17.52			

09-19-01 (C1018-2)

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

AOV Means Table Page 1 of 2

## CORN POSTEMERGENCE VIII

Trial ID: C1018-2

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code	IPOSS	SETFA	XANST	ABUTH	AMBTR	IPOSS
Crop Code	ZEAMX					
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate	Grow Unit	Stg	0	0	0	0	0	0	0
1	CHECK UNTREATED						0	0	0	0	0	0	0
2	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		38	0	85	45	48	42	37
2	MESOTRIONE	4 SC	0.188 LB	A/A	PRE								
3	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		83	0	82	78	88	83	75
3	MESOTRIONE	4 SC	0.188 LB	A/A	PRE								
3	AATREX	4 F	1 LB	A/A	PRE								
4	BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		85	0	77	82	87	82	68
5	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		88	0	82	87	90	88	80
5	CALLISTO	4 SC	0.094 LB	A/A	12"C								
5	CO	L	1 QT/A		12"C								
5	LIQUID N	L	2.5 QT/A		12"C								
6	BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		87	0	83	80	90	88	77
6	CALLISTO	4 SC	0.094 LB	A/A	12"C								
6	CO	L	1 QT/A		12"C								
6	LIQUID N	L	2.5 QT/A		12"C								
7	DUAL II MAGNUM	7.6 EC	1.59 LB	A/A	PRE		85	0	90	83	88	85	78
7	CALLISTO	4 SC	0.094 LB	A/A	12"C								
7	AATREX	4 F	0.25 LB	A/A	12"C								
7	CO	L	1 QT/A		12"C								
7	LIQUID N	L	2.5 QT/A		12"C								
8	FRONTIER	6 E	1.4 LB	A/A	PRE		80	0	82	82	87	88	75
8	DISTINCT	70 WG	0.175 LB	A/A	12"C								
8	SPREADER HF		0.25 %	V/V	12"C								
8	LIQUID N	L	1 QT/A		12"C								
9	BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		85	0	87	85	88	88	78
9	SPIRIT	57 WG	0.036 LB	A/A	12"C								
9	CO	L	1 QT/A		12"C								
9	LIQUID N	L	2.5 QT/A		12"C								

09-19-01 (C1018-2)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE VIII

Trial ID: C1018-2

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

IPOSS SETFA XANST ABUTH AMBTR IPOSS

ZEAMX

CONTROL INJURY CONTROL CONTROL CONTROL CONTROL

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

4 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK

P

P

P

P

P

P

0

0

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0

Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
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10 AATREX		4 F	1.6 LB	A/A	PRE	87	0	90	82	90	87	78
10 LIGHTNING		70 DG	0.056 LB	A/A	12"C							
10 COC		L	1 QT/A		12"C							
10 LIQUID N		L	1 QT/A		12"C							

LSD (P=.05)	21.6	0.0	6.9	19.9	19.6	13.5	19.3
Standard Deviation	12.6	0.0	4.0	11.6	11.4	7.9	11.3
CV	17.52	0.0	5.34	16.5	15.1	10.79	17.4

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

## CORN POSTEMERGENCE VIII

Trial ID: C1018-2                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

## GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

## TRIAL LOCATION

City: LEXINGTON                         Trial Status: COMPLETE  
State/Prov.: KY                         Initiation Date: 05-07-01  
Postal Code: 40511  
Country: USA

Conducted Under GLP (Y/N): N                  Conducted Under GEP (Y/N): N

## CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
3.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
4.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
5.	I POSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: ZEAMX CORN, FIELD                         Variety: GARST 8541IT

Planting Date: 05-07-01                         Planting Method: ROW

Rate: 28000 S/A                         Depth: 1.5 IN

Row Spacing: 30 IN                         Seed Bed: MEDIUM

Soil Temperature: 67 F                         Soil Moisture: NORMAL                         Emergence Date: 05-14-01

## SITE AND DESIGN

Plot Width, Unit: 10 FT                         Plot Length, Unit: 44 FT                         Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

## SOIL DESCRIPTION

% Sand:	6	% OM:	2.6	Texture:	SILT LOAM
% Silt:	64	pH:	6.4	Soil Name:	MAURY
% Clay:	30	CEC:	17	Fert. Level:	EXCELLENT

09-19-01 (C1018-2)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE VIII

Trial ID: C1018-2                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

**Overall Moisture Conditions:** NORMAL  
**Closest Weather Station:** SPINDLETOP

**Distance:** 1.5    **Unit:** MI

**APPLICATION DESCRIPTION**

	A	B
<b>Application Date:</b>	05-07-01	05-22-01
<b>Time of Day:</b>	10:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	12C
<b>Applic. Placement:</b>	BROSOI	BROFOL
<b>Air Temp., Unit:</b>	66 F	59 F
<b>% Relative Humidity:</b>	83	68
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N
<b>Soil Temp., Unit:</b>	67 F	68 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	10

**CROP STAGE AT EACH APPLICATION**

	A	B
<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX 12"C
<b>Height, Unit:</b>	4	IN

09-19-01 (C1018-2)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE VIII

Trial ID: C1018-2                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

WEED STAGE AT EACH APPLICATION

A                    B

Weed 1 Code, Stage:	SETFA PRE	SETFA 12"C
Stage Scale:		2LF
Density, Unit:		1 IN
Weed 2 Code, Stage:	XANST PRE	XANST 12"C
Stage Scale:		4LF
Density, Unit:		4 IN
Weed 3 Code, Stage:	ABUTH PRE	ABUTH 12"C
Stage Scale:		4LF
Density, Unit:		6 IN
Weed 4 Code, Stage:	AMBTR PRE	AMBTR 12"C
Stage Scale:		4LF
Density, Unit:		4 IN
Weed 5 Code, Stage:	IPOSS PRE	IPOSS 12"C
Stage Scale:		2LF
Density, Unit:		1 IN

APPLICATION EQUIPMENT

A                    B

Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-19-01 (C1020)

AOV Means Table Page 1 of 2

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

## CORN POSTEMERGENCE LIBERTY

Trial ID: C1020

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Crop Stage	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	IPOSS	XANST	SETFA	IPOSS	XANST	SETFA	IPOSS	XANST	
								ZEAMX	ZEAMX	INJURY CONTROL	CONTROL	INJURY CONTROL	CONTROL	INJURY CONTROL	CONTROL	INJURY CONTROL	CONTROL
										PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
								V3									
					2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
					P	P	P	P	P	P	P	P	P	P	P	P	P
					0	0	0	0	0	0	0	0	0	0	0	0	0
Trt Treatment No.	Name	Form Conc	Form Type	Rate	Grow Unit	Stg											
1 BALANCE PRO		4 SC	0.047	LB	A/A	PRE		0	97	90	95	0	95	90	93	0	95
1 LIBERTY		1.67 E	0.31	LB	A/A	MP											
1 AATREX		4 F		1	LB	A/A	MP										
1 AMS		100 SG		3	LB	A/A	MP										
2 BALANCE PRO		4 SC	0.07	LB	A/A	PRE		0	63	55	57	0	63	53	53	0	63
2 AE F130360		70 WG	0.066	LB	A/A	MP											
2 MSO		L	0.75	QT/A		MP											
2 LIQUID N		L		2	QT/A		MP										
3 BALANCE PRO		4 SC	0.07	LB	A/A	PRE		0	90	67	37	0	90	67	37	0	90
3 AATREX		4 F	0.75	LB	A/A	PRE											
3 PRINCEP		4 F	0.75	LB	A/A	PRE											
4 BALANCE PRO		4 SC	0.07	LB	A/A	PRE		0	95	77	27	0	95	77	27	0	95
4 AATREX		4 F	1.5	LB	A/A	PRE											
4 DEFINE		60 DF	0.375	LB	A/A	PRE											
5 DEFINE		60 DF	0.525	LB	A/A	PRE		0	95	90	85	0	95	90	83	0	95
5 AE F130360		61 WG	0.067	LB	A/A	MP											
5 MSO		L	0.75	QT/A		MP											
5 LIQUID N		L		2	QT/A		MP										
6 LIBERTY		1.67 E	0.31	LB	A/A	EP		0	90	90	87	0	90	90	85	0	90
6 DEFINE		60 DF	0.375	LB	A/A	EP											
6 AATREX		4 F	1.25	LB	A/A	EP											
7 LIBERTY		1.67 E	0.31	LB	A/A	MP		0	97	95	98	0	95	93	95	0	95
7 DEFINE		60 DF	0.375	LB	A/A	MP											
7 AATREX		4 F	1.25	LB	A/A	MP											
8 AE F130360		61 WG	0.067	LB	A/A	EP		5	63	63	58	0	63	63	57	0	63
8 DEFINE		60 DF	0.3	LB	A/A	EP											
8 AATREX		4 F	1.25	LB	A/A	EP											
8 MSO		L	0.75	QT/A		EP											
8 LIQUID N		L		2	QT/A		EP										

09-19-01 (C1020)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE LIBERTY

Trial ID: C1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Crop Stage	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	IPOSS	XANST	SETFA	IPOSS	XANST	SETFA	IPOSS	XANST	
								ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
				V3													
					2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	
					P	P	P	P	P	P	P	P	P	P	P	P	
					0	0	0	0	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg												
9 AE F130360	70 WG	0.066 LB	A/A	EP	7	93	88	87	0	93	88	83	0	93	88	83	
9 DEFINE	60 DF	0.3 LB	A/A	EP													
9 AATREX	4 F	1.25 LB	A/A	EP													
9 MSO	L	0.75 QT/A		EP													
9 LIQUID N	L	2 QT/A		EP													
10 BICEP II MAGNUM	5.5 L	2.88 LB	A/A	PRE	0	90	60	33	0	90	58	33	0	90	58	33	
11 BICEP II MAGNUM	5.5 L	2.88 LB	A/A	PRE	0	95	88	95	0	95	87	93	0	95	87	93	
11 SPIRIT	57 WG	0.036 LB	A/A	IFN													
11 COC	L	1 QT/A		IFN													
12 LIBERTY ATZ	4.3 F	1.35 LB	A/A	MP	0	92	90	95	0	92	90	95	0	92	90	95	
12 AMS	100 SG	2 %	W/W	MP													
12 WEEDMAK																	
13 EXCEED	57 DF	0.036 LB	A/A	MP	0	85	90	95	0	85	90	93	0	85	90	93	
13 COC	L	1 QT/A		MP													
13 WEEDMAK																	
14 BASIS GOLD	89.5 DF	0.78 LB	A/A	MP	0	90	93	100	0	90	93	98	0	90	90	95	
14 CLARITY	4 E	0.25 LB	A/A	MP													
14 COC	L	1 QT/A		MP													
14 LIQUID N	L	1 QT/A		MP													
14 WEEDMAK																	
15 CLARITY	4 E	0.25 LB	A/A	MP	0	0	93	95	0	0	93	95	0	0	90	95	
15 AIM	2 EC	0.008 LB	A/A	MP													
15 SPREADER HF		0.25 %	V/V	MP													
15 WEEDMAK																	
16 CHECK UNTREATED					0	0	0	0	0	0	0	0	0	0	0	0	
LSD (P=.05)					1.2	31.4	29.6	29.3	0.0	31.5	29.2	27.9	0.0	31.5	28.5	27.8	
Standard Deviation					0.7	18.8	17.8	17.6	0.0	18.9	17.5	16.7	0.0	18.9	17.1	16.7	
CV					98.97	24.38	23.11	24.63	0.0	24.51	22.94	23.86	0.0	24.51	22.63	23.88	

09-19-01 (C1020)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 04-25-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
3.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM

Crop 1: ZEAMX CORN, FIELD

Variety: PIONEER 33G28

Planting Date: 04-25-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 59 F

Soil Moisture: NORMAL

Emergence Date: 05-02-01

SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand:	6	% OM:	2.7	Texture:	SILT LOAM
% Silt:	64	pH:	6.5	Soil Name:	MAURY
% Clay:	30	CEC:	17	Fert. Level:	EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

09-19-01 (C1020)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack**APPLICATION DESCRIPTION**

	A	B	C	D
<b>Application Date:</b>	04-26-01	05-15-01	05-23-01	06-05-01

<b>Time of Day:</b>	10:00	11:00	10:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	EP	MP	IFN
<b>Applc. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	52 F	71 F	58 F	F
<b>% Relative Humidity:</b>	55	60	75	
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	3 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	59 F	69 F	64 F	F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10	10

**CROP STAGE AT EACH APPLICATION**

A	B	C	D
<b>Crop 1 Code, Stage:</b> ZEAMX PRE	ZEAMX EP	ZEAMX MP	ZEAMX IFN
<b>Height, Unit:</b>	4 IN	12 IN	16 IN

**WEED STAGE AT EACH APPLICATION**

A	B	C	D
<b>Weed 1 Code, Stage:</b> SETFA PRE	SETFA EP	SETFA MP	SETFA IFN
<b>Stage Scale:</b>	1LF	2LF	2LF
<b>Density, Unit:</b>	1 IN	2 IN	3 IN
<b>Weed 2 Code, Stage:</b> IPOSS PRE	IPOSS EP	IPOSS MP	IPOSS IFN
<b>Stage Scale:</b>	COTYLEDON	2LF	3LF
<b>Density, Unit:</b>	1 IN	3 IN	3 IN
<b>Weed 3 Code, Stage:</b> XANST PRE	XANST EP	XANST MP	XANST IFN
<b>Stage Scale:</b>	3LF	4LF	4LF
<b>Density, Unit:</b>	2 IN	4 IN	4 IN

09-19-01 (C1020)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Appl. Equipment:</b>	ATV	ATV	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	19 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	4 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2	CO2

09-23-01 (C1030)

AOV Means Table Page 1 of 2

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

## CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY Investigator: Charles Slack

Weed Code	SETFA	AMBTR	CHEAL	IPOSS	SETFA	AMBTR	CHEAL	IPOSS
Crop Code	ZEAMX				ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK	4 WEEK				
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	
							2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	
							P	P	P	P	P	P	P	P	P	P	
1	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP		0	88	83	82	77	0	88	80	82	70
2	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP		0	93	90	92	85	0	93	90	92	72
2	ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LLP	30°C										
3	DEGREE	3.8 CS		1 LB	A/A	PRE		0	92	88	83	83	0	92	87	83	75
3	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP,	30°C										
4	DEGREE XTRA	4.04 CS		1.5 LB	A/A	PRE		0	95	90	90	87	0	92	90	88	77
4	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP,	30°C										
5	DEGREE	3.8 CS		1 LB	A/A	MP		0	90	83	82	79	0	90	83	82	78
5	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP											
6	DEGREE XTRA	4.04 CS		1.5 LB	A/A	MP		0	93	95	95	92	0	92	92	90	85
6	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP											
7	READYMASTER ATZ	4 SC		2 LB	A/A	MP		0	90	90	93	88	0	90	88	92	85
8	DUAL II MAGNUM	7.6 EC		1.3 LB	A/A	PRE		0	93	95	93	90	0	93	90	90	85
8	MARKSMAN	3.2 F		1.4 LB	A/A	MP											
9	BICEP II MAGNUM	5.5 L		2.9 LB	A/A	PRE		0	93	83	80	78	0	93	88	80	73
10	BICEP II MAGNUM	5.5 L		2.9 LB	A/A	PRE		0	95	95	95	92	0	93	90	92	87
10	SPIRIT	57 WG		0.035 LB	A/A	LP											
10	SPREADER HF			0.25 %	V/V	LP											
10	LIQUID N	L		2.5 QT/A		LP											
11	BICEP II MAGNUM	5.5 L		1.45 LB	A/A	PRE		0	95	92	90	88	0	95	88	88	83
11	TOUCHDOWN IQ	4 SL		1 LB	A/A	LP											
12	FULTIME	4 CS		1.55 LB	A/A	PRE		0	95	90	90	88	0	95	88	90	82
12	GLYPHOMAX PLUS	4 SL		1 LB	A/A	LP											
13	LEADOFF	5 CS		1.33 LB	A/A	PRE		0	93	90	88	85	0	93	88	88	78
13	BASIS GOLD	89.5 DF		0.783 LB	A/A	MP											
13	COC	L		1 QT/A		MP											
13	LIQUID N	L		4 QT/A		MP											

09-23-01 (C1030)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030  
Location: LEXINGTON, KYStudy Dir.: CHARLES H. SLACK  
Investigator: Charles SlackWeed Code  
Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
ARM Action Codes  
# Subsamples, Dec.

	SETFA	AMBTR	CHEAL	IPOSS		SETFA	AMBTR	CHEAL	IPOSS
ZEAMX				ZEAMX					
INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	
PERCENT									
2 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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	0	95	93	92	92	0	93	90	88	83
14 CELEBRITY PLUS	70 WG	0.2 LB	A/A	MP										
14 SPREADER HF		0.25 %	V/V	MP										
14 LIQUID N	L	4 QT/A		MP										
15 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP										
16 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LLP, 30"										
17 TOUCHDOWN IQ	4 SL	1 LB	A/A	MP										
18 TOUCHDOWN IQ	4 SL	1 LB	A/A	LP										
19 TOUCHDOWN IQ	4 SL	1 LB	A/A	LLP, 30"										
20 TOUCHDOWN IQ	4 SL	1 LB	A/A	MP										
20 TOUCHDOWN IQ	4 SL	1 LB	A/A	LP, 30"C										
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	MP										
21 AATREX	4 F	1 LB	A/A	MP										
21 WEEDMAK														
22 BUCTRIL	2 EC	0.375 LB	A/A	MP										
22 WEEDMAK														
23 BASIS GOLD	89.5 DF	0.78 LB	A/A	MP										
23 CLARITY	4 E	0.25 LB	A/A	MP										
23 COC	L	1 QT/A		MP										
23 LIQUID N	L	1 QT/A		MP										
23 WEEDMAK														
24 ACCENT GOLD	83.8 DF	0.15 LB	A/A	MP										
24 COC	L	1 QT/A		MP										
24 LIQUID N	L	1 QT/A		MP										
24 WEEDMAK														
LSD (P=.05)		0.0	8.5		6.0	6.6	5.8	0.0	8.7	5.5	6.9	8.5		
Standard Deviation		0.0	5.1		3.7	4.0	3.5	0.0	5.3	3.4	4.2	5.2		
CV		0.0	5.77		4.03	4.44	4.06	0.0	6.01	3.79	4.75	6.39		

09-23-01 (C1030)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                    **Trial Status:** COMPLETE  
**State/Prov.:** KY                    **Initiation Date:** 04-25-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                    Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD                    **Variety:** ASGROW RX738RR  
**Planting Date:** 04-25-01                    **Planting Method:** ROW  
**Rate:** 28000 S/A                    **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                    **Seed Bed:** MEDIUM  
**Soil Temperature:** 59 F                    **Soil Moisture:** MEDIUM                    **Emergence Date:** 05-04-01

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT                    **Plot Length, Unit:** 44 FT                    **Reps:** 3  
**Site Type:** FIELD  
**Tillage Type:** CONVENTIONAL                    **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

**% Sand:** 6                    **% OM:** 2.6                    **Texture:** SILT LOAM  
**% Silt:** 64                    **pH:** 6.4                    **Soil Name:** MAURY  
**% Clay:** 30                    **CEC:** 17                    **Fert. Level:** EXCELLENT

09-23-01 (C1030)

Site Description Page 2 of 3

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

## CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY            Investigator: Charles SlackOverall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5      Unit: MI

## APPLICATION DESCRIPTION

	A	B	C	D	E
<b>Application Date:</b>	04-26-01	05-22-01	05-25-01	05-25-01	05-30-01
<b>Time of Day:</b>	10:00	11:00	10:00	2:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	MP	LP	LP 30"	LLP 30"
<b>Applc. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	52 F	59 F	56 F	56 F	64 F
<b>% Relative Humidity:</b>	55	68	70	70	69
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	3 MPH	3 MPH	4 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N	N
<b>Soil Temp., Unit:</b>	59 F	68 F	63 F	63 F	69 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10	10	20

## CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX MP	ZEAMX LP	ZEAMX LP 30"C	ZEAMX LLP 30"C
<b>Height, Unit:</b>		12 IN	12 IN	14 IN	16 IN

## WEED STAGE AT EACH APPLICATION

	A	B	C	D	E
<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA MP	SETFA LP	SETFA LP 30"C	SETFA LLP 30"C
<b>Stage Scale:</b>		3LF	4LF	4LF	6LF
<b>Density, Unit:</b>		3 IN	5 IN	5 IN	6 IN
<b>Weed 2 Code, Stage:</b>	AMBTR PRE	AMBTR MP	AMBTR LP	AMBTR LP 30"C	AMBTR LLP 30"C
<b>Stage Scale:</b>		4LF	4LF	6LF	8LF
<b>Density, Unit:</b>		4 IN	4 IN	6 IN	7 IN
<b>Weed 3 Code, Stage:</b>	CHEAL PRE	CHEAL MP	CHEAL LP	CHEAL LP 30"C	CHEAL LLP 30"C
<b>Stage Scale:</b>		8LF	10LF	10LF	12LF
<b>Density, Unit:</b>		4 IN	6 IN	6 IN	8 IN
<b>Weed 4 Code, Stage:</b>	IPOSS PRE	IPOSS MP	IPOSS LP	IPOSS LP 30"C	IPOSS LLP 30"C
<b>Stage Scale:</b>		2LF	3LF	3LF	4LF
<b>Density, Unit:</b>		3 IN	4 IN	4 IN	6 IN

09-23-01 (C1030)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	A	B	C	D	E
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	20 IN	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2	CO2	CO2

09-19-01 (C1030-2)

AOV Means Table Page 1 of 2

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

## NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

Weed Code		SETFA	AMBTR	AMACH	IPOSS		SETFA	AMBTR	AMAHLL	IPOSS
Crop Code	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT									
Rating Unit	2 WEEK	4 WEEK								
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.										

Trt Treatment No.	Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	95	95	87	92	0	95	95	87	92
1	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	95	95	87	92	0	95	95	87	92
2	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	95	93	90	92	0	95	93	90	92
2	ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LLP	30°C									
3	DEGREE	3.8 CS		1 LB	A/A	PRE	0	95	95	93	93	0	95	95	93	93
3	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP,	30°C									
4	DEGREE XTRA	4.04 CS		1.5 LB	A/A	PRE	0	95	95	95	95	0	95	95	95	95
4	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP,	30°C									
5	DEGREE	3.8 CS		1 LB	A/A	MP	0	95	95	92	92	0	95	95	92	92
5	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP										
6	DEGREE XTRA	4.04 CS		1.5 LB	A/A	MP	0	95	93	88	90	0	95	93	88	90
6	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP										
7	READYMASTER ATZ	4 SC		2 LB	A/A	MP	0	95	95	92	93	0	95	95	92	93
8	DUAL II MAGNUM	7.6 EC		1.3 LB	A/A	PRE	0	95	95	95	93	0	95	95	95	93
8	MARKSMAN	3.2 F		1.4 LB	A/A	MP										
9	LEADOFF	5 CS		1.33 LB	A/A	PRE	0	92	90	90	88	0	92	90	90	88
9	BASIS GOLD	89.5 DF		0.783 LB	A/A	MP										
9	COC	L		1 QT/A	A/A	MP										
9	LIQUID N	L		QT/A	A/A	MP										
10	BICEP II MAGNUM	5.5 L		2.9 LB	A/A	PRE	0	93	95	70	72	0	93	95	70	72
10	SPIRIT	57 WG		0.035 LB	A/A	LP										
10	SPREADER HF			0.25 %	V/V	LP										
10	LIQUID N	L		2.5 QT/A	A/A	LP										
11	BICEP II MAGNUM	5.5 L		1.45 LB	A/A	PRE	0	95	95	95	95	0	95	95	95	95
11	TOUCHDOWN IQ	4 SL		1 LB	A/A	LP										
12	FULTIME	4 CS		1.55 LB	A/A	PRE	0	93	95	95	93	0	93	95	95	93
12	GLYPHOMAX PLUS	4 SL		1 LB	A/A	LP										
13	BICEP II MAGNUM	5.5 L		2.88 LB	A/A	PRE	0	95	93	92	92	0	95	93	92	92

09-19-01 (C1030-2)

AOV Means Table Page 2 of 2

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

## NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	AMACH	IPOSS	SETFA	AMBTR	AMAHL	IPOSS
							ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL
							2 WEEK	2 WEEK	2 WEEK	2 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
14 CELEBRITY PLUS	70 WG	0.2 LB A/A MP					0	95	93	92	92	0	95	93
14 SPREADER HF		0.25 % V/V MP												
14 LIQUID N	L	4 QT/A MP												
15 ROUNDUP ULTRAMAX	5 SL	1 LB A/A LP					0	95	93	90	90	0	95	93
16 ROUNDUP ULTRAMAX	5 SL	1 LB A/A LLP, 30"					2	93	93	92	92	2	93	93
17 TOUCHDOWN IQ	4 SL	1 LB A/A MP					2	95	93	92	92	2	95	93
18 TOUCHDOWN IQ	4 SL	1 LB A/A LP					0	95	93	88	90	0	95	93
19 TOUCHDOWN IQ	4 SL	1 LB A/A LLP, 30"					2	95	90	90	90	2	95	90
20 TOUCHDOWN IQ	4 SL	1 LB A/A MP					0	95	93	93	90	0	95	93
20 TOUCHDOWN IQ	4 SL	1 LB A/A LP, 30"C												
21 ROUNDUP ULTRAMAX	5 SL	1 LB A/A MP					0	95	95	93	93	0	95	95
21 AATREX	4 F	1.5 LB A/A MP												
21 WEEDMAK														
22 BUCTRIL	2 EC	0.375 LB A/A MP					0	77	48	48	47	0	77	48
22 WEEDMAK														
23 BASIS GOLD	89.5 DF	0.78 LB A/A MP					0	92	95	70	83	0	65	95
23 CLARITY	4 E	0.25 LB A/A MP												
23 COC	L	1 QT/A MP												
23 LIQUID N	L	1 QT/A MP												
23 WEEDMAK														
24 ACCENT GOLD	83.8 DF	0.015 LB A/A MP					0	90	87	85	85	0	90	87
24 COC	L	1 QT/A MP												
24 LIQUID N	L	1 QT/A MP												
24 WEEDMAK														
LSD (P=.05)							1.7	8.5	14.2	24.1	21.5	1.7	18.5	14.2
Standard Deviation							1.0	5.1	8.6	14.6	13.0	1.0	11.2	8.6
CV							489.9	5.48	9.38	16.65	14.7	489.9	12.12	9.38

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

## NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2      Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY      Investigator: Charles Slack

Weed Code	SETFA	AMBTR	AMAHLL	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	AMBTR	AMAHLL	IPOSS	
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP	0	87	82	90	82
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP	0	87	88	88	83
2	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LLP 30°C					
3	DEGREE	3.8	CS	1	LB A/A	PRE	0	90	87	88	82
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP, 30°C					
4	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	83	87	93	82
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP, 30°C					
5	DEGREE	3.8	CS	1	LB A/A	MP	0	83	88	92	83
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP					
6	DEGREE XTRA	4.04	CS	1.5	LB A/A	MP	0	85	87	87	85
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP					
7	READYMASTER ATZ	4	SC	2	LB A/A	MP	0	85	87	87	77
8	DUAL II MAGNUM	7.6	EC	1.3	LB A/A	PRE	0	87	90	88	85
8	MARKSMAN	3.2	F	1.4	LB A/A	MP					
9	LEADOFF	5	CS	1.33	LB A/A	PRE	0	83	83	87	80
9	BASIS GOLD	89.5	DF	0.783	LB A/A	MP					
9	CO.C	L		1	QT/A	MP					
9	LIQUID N	L		QT/A	MP						
10	BICEP II MAGNUM	5.5	L	2.9	LB A/A	PRE	0	88	67	65	63
10	SPIRIT	57	WG	0.035	LB A/A	LP					
10	SPREADER HF			0.25	% V/V	LP					
10	LIQUID N	L		2.5	QT/A	LP					
11	BICEP II MAGNUM	5.5	L	1.45	LB A/A	PRE	0	88	88	90	83
11	TOUCHDOWN IQ	4	SL	1	LB A/A	LP					
12	FULTIME	4	CS	1.55	LB A/A	PRE	0	82	88	83	83
12	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP					
13	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	83	90	92	85

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

## NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2                          Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY                      Investigator: Charles Slack

Weed Code	SETFA	AMBTR	AMAHLL	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
14 CELEBRITY PLUS		70	WG	0.2	LB A/A	MP	0	80	90	88
14 SPREADER HF				0.25	% V/V	MP				
14 LIQUID N		L		4	QT/A	MP				
15 ROUNDUP ULTRAMAX		5	SL	1	LB A/A	LP	0	83	85	88
16 ROUNDUP ULTRAMAX		5	SL	1	LB A/A	LLP, 30"	2	82	87	85
17 TOUCHDOWN IQ		4	SL	1	LB A/A	MP	2	87	88	85
18 TOUCHDOWN IQ		4	SL	1	LB A/A	LP	0	80	85	88
19 TOUCHDOWN IQ		4	SL	1	LB A/A	LLP, 30"	2	83	87	90
20 TOUCHDOWN IQ		4	SL	1	LB A/A	MP	0	83	88	88
20 TOUCHDOWN IQ		4	SL	1	LB A/A	LP, 30"C				
21 ROUNDUP ULTRAMAX		5	SL	1	LB A/A	MP	0	85	88	92
21 AATREX		4	F	1.5	LB A/A	MP				
21 WEEDMAK										
22 BUCTRIL		2	EC	0.375	LB A/A	MP	0	43	43	45
22 WEEDMAK										
23 BASIS GOLD		89.5	DF	0.78	LB A/A	MP	0	87	65	82
23 CLARITY		4	E	0.25	LB A/A	MP				
23 COC		L		1	QT/A	MP				
23 LIQUID N		L		1	QT/A	MP				
23 WEEDMAK										
24 ACCENT GOLD		83.8	DF	0.015	LB A/A	MP	0	80	83	82
24 COC		L		1	QT/A	MP				
24 LIQUID N		L		1	QT/A	MP				
24 WEEDMAK										
LSD (P=.05)				1.7			13.0	22.0	20.6	18.8
Standard Deviation				1.0			7.9	13.3	12.5	11.4
CV				489.9			9.53	15.97	14.63	14.32

09-19-01 (C1030-2)

Site Description Page 1 of 3

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

NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 04-25-01  
Country: USA

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.
4.	IPOSS MORNINGGLORY, IPOMOEA SP. setfa	

Crop 1: ZEAMX CORN, FIELD Variety: ASGROW RX738RR  
Planting Date: 04-25-01 Planting Method: ROW  
Rate: 28000 S/A Depth: 1.5 IN  
Row Spacing: 30 IN Seed Bed: MEDIUM  
Soil Temperature: 59 F Soil Moisture: NORMAL Emergence Date: 05-03-01

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 44 FT Reps: 3  
Site Type: FIELD  
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6 % OM: 2.6 Texture: SILT LOAM  
% Silt: 64 pH: 6.5 Soil Name: MAURY  
% Clay: 30 CEC: 17 Fert. Level: EXCELLENT

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

## NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2                          Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY                      Investigator: Charles Slack

**Overall Moisture Conditions:** NORMAL  
**Closest Weather Station:** SPINDLETOP

**Distance:** 1.5                          **Unit:** MI

	<b>APPLICATION DESCRIPTION</b>				
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<b>Application Date:</b>	05-03-01	06-05-01	06-08-01	06-08-01	06-14-01
<b>Time of Day:</b>	10:00	11:00	10:00	2:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	MP	LP	LP 30"	LLP 30"
<b>Applic. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	70 F	F	F	F	F
<b>% Relative Humidity:</b>	64				
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	4 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N	N
<b>Soil Temp., Unit:</b>	67 F	F	F	F	F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10	10	20

	<b>CROP STAGE AT EACH APPLICATION</b>				
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX MP	ZEAMX LP	ZEAMX LP 30"C	ZEAMX LLP 30"C
<b>Height, Unit:</b>		8 IN	10 IN	10 IN	12 IN

	<b>WEED STAGE AT EACH APPLICATION</b>				
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA MP	SETFA LP	SETFA LP 30"C	SETFA LLP 30"C
<b>Stage Scale:</b>		3LF	4LF	4LF	5LF
<b>Density, Unit:</b>		3 IN	4 IN	4 IN	5 IN
<b>Weed 2 Code, Stage:</b>	AMBTR PRE	AMBTR MP	AMBTR LP	AMBTR LP 30"C	AMBTR LLP 30"C
<b>Stage Scale:</b>		4LF	5LF	5LF	6LF
<b>Density, Unit:</b>		3 IN	5 IN	5 IN	7 IN
<b>Weed 3 Code, Stage:</b>	AMACH PRE	AMACH MP	AMACH LP	AMACH LP 30"C	AMACH LLP 30"C
<b>Stage Scale:</b>		3LF	4LF	4LF	6LF
<b>Density, Unit:</b>		3 IN	5 IN	5 IN	8 IN
<b>Weed 4 Code, Stage:</b>	IPOSS PRE	IPOSS MP	IPOSS LP	IPOSS LP 30"C	IPOSS LLP 30"C
<b>Stage Scale:</b>		4LF	6LF	6LF	8LF
<b>Density, Unit:</b>		3 IN	4 IN	4 IN	6 IN

09-19-01 (C1030-2)

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

Site Description Page 3 of 3

## NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY Investigator: Charles Slack

## **APPLICATION EQUIPMENT**

	A	B	C	D	E
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	20 IN	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2	CO2	CO2

09-19-01 (C1040)

AOV Means Table Page 1 of 3

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

## NO-TILL CORN SYSTEM I

Trial ID: C1040

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.		Form Conc	Form Type	Rate Rate	Grow Unit	SETFA ZEAMX			AMBTR ZEAMX			IPOSS SETFA ZEAMX			AMBTR ZEAMX			IPOSS SETFA ZEAMX		
						INJURY CONTROL CONTROL CONTROL			INJURY CONTROL CONTROL CONTROL			INJURY CONTROL CONTROL CONTROL			INJURY CONTROL CONTROL CONTROL			INJURY CONTROL CONTROL CONTROL		
						PERCENT PERCENT PERCENT			PERCENT PERCENT PERCENT			PERCENT PERCENT PERCENT			PERCENT PERCENT PERCENT			PERCENT PERCENT PERCENT		
						2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	
						P	P	P	P	P	P	P	P	P	P	P	P	P	P	
						0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment No. Name																				
1 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE	0	91	88	90	0	91	88	90	0	91	88	90		
1 HARNESS XTRA		5.6 EC		3.36 LB	A/A	PRE														
1 AMS		100 SG		1.5 %	W/W	PRE														
1 MON 12075		67.5 WG		0.169 LB	A/A	LMP														
1 SPREADER HF				0.25 %	V/V	LMP														
1 AMS		100 SG		1.5 %	W/W	LMP														
1 8362 IT																				
2 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE	0	96	96	96	0	96	96	96	0	95	95	91		
2 AMS		100 SG		1.5 %	W/W	PRE														
2 BICEP II MAGNUM		5.5 L		2.89 LB	A/A	PRE														
2 EXCEED		57 DF		0.036 LB	A/A	LMP														
2 COC		L		1 QT/A		LMP														
2 AMS		100 SG		1.5 %	W/W	LMP														
2 8362 IT																				
3 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE	0	80	83	90	0	76	83	90	0	73	83	90		
3 AMS		100 SG		1.5 LB	A/A	PRE														
3 AATREX		4 F		1 LB	A/A	PRE														
3 LIGHTNING		70 DG		0.056 LB	A/A	LMP														
3 COC		L		1 QT/A		LMP														
3 AMS		100 SG		1.5 %	W/W	LMP														
3 8362 IT																				
4 8362 IT (BUFFER STRIP)							0	0	0	0	0	0	0	0	0	0	0	0	0	
5 DEGREE XTRA		4.04 CS		1.5 LB	A/A	PRE	0	95	94	93	0	95	90	93	0	95	90	93		
5 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE														
5 AMS		100 SG		1.5 LB	A/A	PRE														
5 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	LMP														
5 AMS		100 SG		1.5 %	W/W	LMP														
5 DKC 64-10																				
6 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE	0	93	90	91	0	93	93	86	0	93	93	86		
6 AMS		100 SG		1.5 LB	A/A	PRE														
6 READYMASTER ATZ		4 SC		2 LB	A/A	LMP														
6 AMS		100 SG		1.5 %	W/W	LMP														
6 DKC 64-10																				

09-19-01 (C1040)

AOV Means Table Page 2 of 3

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

## NO-TILL CORN SYSTEM I

Trial ID: C1040

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS			
							ZEAMX	ZEAMX	ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY		
							PERCENT											
							2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	
							P	P	P	P	P	P	P	P	P	P	P	
							0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment	Form No.	Form	Rate	Grow														
		Conc	Type	Rate	Unit	Stg												
7 ROUNDUP ULTRAMAX		5 SL	1	LB	A/A	PRE	0	85	91	93	0	85	91	93	0	80	91	93
7 HARNESS XTRA		5.6 EC	3.36	LB	A/A	PRE												
7 AMS		100 SG	1.5	%	W/W	PRE												
7 MON 12075		67.5 WG	0.169	LB	A/A	LMP												
7 SPREADER HF			0.25	%	V/V	LMP												
7 AMS		100 SG	1.5	%	W/W	LMP												
7 DKC 64-10																		
8 ROUNDUP ULTRAMAX		5 SL	1	LB	A/A	PRE	0	91	95	94	0	91	95	94	0	91	95	94
8 AMS		100 SG	1.5	%	W/W	PRE												
8 BICEP II MAGNUM		5.5 L	2.89	LB	A/A	PRE												
8 EXCEED		57 DF	0.036	LB	A/A	LMP												
8 COC		L	1	QT/A		LMP												
8 AMS		100 SG	1.5	%	W/W	LMP												
8 DKC 64-10																		
9 DEGREE XTRA		4.04 CS	1.5	LB	A/A	PRE	0	95	93	91	0	95	93	91	0	95	93	91
9 ROUNDUP ULTRAMAX		5 SL	1	LB	A/A	PRE												
9 AMS		100 SG	1.5	LB	A/A	PRE												
9 ROUNDUP ULTRAMAX		5 SL	1	LB	A/A	LMP												
9 AMS		100 SG	1.5	%	W/W	LMP												
9 RX740RR																		
10 ROUNDUP ULTRAMAX		5 SL	1	LB	A/A	PRE	0	98	96	95	0	98	96	95	0	95	96	94
10 AMS		100 SG	1.5	LB	A/A	PRE												
10 READYMASTER ATZ		4 SC	2	LB	A/A	LMP												
10 AMS		100 SG	1.5	%	W/W	LMP												
10 RX740RR																		
11 ROUNDUP ULTRAMAX		5 SL	1	LB	A/A	PRE	0	80	93	91	0	80	93	91	0	74	93	91
11 HARNESS XTRA		5.6 EC	3.36	LB	A/A	PRE												
11 AMS		100 SG	1.5	%	W/W	PRE												
11 MON 12075		67.5 WG	0.169	LB	A/A	LMP												
11 SPREADER HF			0.25	%	V/V	LMP												
11 AMS		100 SG	1.5	%	W/W	LMP												
11 RX740RR																		

09-19-01 (C1040)

AOV Means Table Page 3 of 3

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

## NO-TILL CORN SYSTEM I

Trial ID: C1040

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	AMBTR	IPOSS	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX
	SETFA	AMBTR	IPOSS	ZEAMX	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	ZEAMX
	P	P	P	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	0	0	0	0	0	0	0	0	0	0	0	0	0
2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY
12 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	95	95	93	0	95	95	93
12 AMS	100 SG	1.5 %	W/W	PRE									
12 BICEP II MAGNUM	5.5 L	2.89	LB	A/A	PRE								
12 EXCEED	57 DF	0.036	LB	A/A	LMP								
12 COC	L	1 QT/A			LMP								
12 AMS	100 SG	1.5 %	W/W	LMP									
12 RX740RR													
13 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	43	38	38	0	43	38	38
13 AMS	100 SG	1.5 %	W/W	PRE									
13 RX740RR (BUFFER STRIP)													
14 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	83	91	91	0	83	91	91
14 HARNESS XTRA	5.6 EC	3.36	LB	A/A	PRE								
14 AMS	100 SG	1.5 %	W/W	PRE									
14 MON 12075	67.5 WG	0.169	LB	A/A	LMP								
14 SPREADER HF		0.25 %	V/V		LMP								
14 AMS	100 SG	1.5 %	W/W	LMP									
14 8481 IT													
15 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	96	96	94	0	96	96	94
15 AMS	100 SG	1.5 %	W/W	PRE									
15 BICEP II MAGNUM	5.5 L	2.89	LB	A/A	PRE								
15 EXCEED	57 DF	0.036	LB	A/A	LMP								
15 COC	L	1 QT/A			LMP								
15 AMS	100 SG	1.5 %	W/W	LMP									
15 8481 IT													
16 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	95	94	91	0	95	93	91
16 AMS	100 SG	1.5 LB	A/A	PRE									
16 AATREX	4 F	1 LB	A/A	PRE									
16 LIGHTNING	70 DG	0.056	LB	A/A	LMP								
16 COC	L	1 QT/A			LMP								
16 AMS	100 SG	1.5 %	W/W	LMP									
16 8481 IT													
LSD (P=.05)		0.0	12.7	8.4	6.7	0.0	12.2	8.1	7.2	0.0	10.8	7.9	7.1
Standard Deviation		0.0	8.9	5.9	4.7	0.0	8.5	5.6	5.0	0.0	7.5	5.5	5.0
CV		0.0	10.84	7.07	5.61	0.0	10.42	6.79	6.05	0.0	9.33	6.68	6.03

09-19-01 (C1040)

Site Description Page 1 of 3

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

NO-TILL CORN SYSTEM I

Trial ID: C1040 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-23-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD                   **Variety:** GARST 8541IT

**Planting Date:** 04-23-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**Crop 2:** ZEAMX CORN, FIELD                   **Variety:** DEKALB DKC64-10

**Planting Date:** 04-23-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**Crop 3:** ZEAMX CORN, FIELD                   **Variety:** ASGROW RX740RR

**Planting Date:** 04-23-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

09-19-01 (C1040)

Site Description Page 2 of 3

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

NO-TILL CORN SYSTEM I

Trial ID: C1040 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD

Variety: GARST 8481IT

Planting Date: 04-23-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 64 F Soil Moisture: NORMAL

Emergence Date: 05-01-01

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4

Site Type: FIELD

Tillage Type: NO-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand:	3	% OM:	4	Texture:	SILT LOAM
% Silt:	64	pH:	6.4	Soil Name:	LANTON
% Clay:	33	CEC:	17	Fert. Level:	EXCELLENT

APPLICATION DESCRIPTION

A B

Application Date: 04-23-01 05-29-01

Time of Day: 10:00 10:00

Application Method: SPRAY SPRAY

Application Timing: PRE LMP

Applic. Placement: BROSOI BROFOL

Air Temp., Unit: 72 F 63 F

% Relative Humidity: 60 68

Wind Velocity, Unit: 3 MPH 4 MPH

Dew Presence (Y/N): N N

Soil Temp., Unit: 64 F 69 F

Soil Moisture: ADEQUATE ADEQUATE

% Cloud Cover: 10 10

## NO-TILL CORN SYSTEM I

Trial ID: C1040                      Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY.              Investigator: Charles Slack

## CROP STAGE AT EACH APPLICATION

## A                      B

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 2 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 3 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 4 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN

## WEED STAGE AT EACH APPLICATION

## A                      B

Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR LMP
Stage Scale:		12LF
Density, Unit:		8 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS LMP
Stage Scale:		2LF
Density, Unit:		2 IN

## APPLICATION EQUIPMENT

## A                      B

Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-19-01 (C1042)

AOV Means Table Page 1 of 2

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

## NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1042

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	
							ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
							P	P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Grow												
No. Name	Conc	Type	Rate	Unit	Stg											
1 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE		0	95	93	91	0	95	93	91	0	95
1 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE											
1 AMS	100	SG	1.5	% W/W	PRE											
1 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP											
1 AMS	100	SG	1.5	% W/W	LMP											
1 DK 626 RR																
2 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE		0	95	95	95	0	95	95	95	0	95
2 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE											
2 AMS	100	SG	1.5	% W/W	PRE											
2 EXCEED	57	DF	0.036	LB A/A	LMP											
2 COC		L	1	QT/A	LMP											
2 AMS	100	SG	1.5	% W/W	LMP											
2 DK 626 RR																
3 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE		0	94	94	91	0	94	94	91	0	90
3 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE											
3 AMS	100	SG	1.5	% W/W	PRE											
3 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP											
3 AMS	100	SG	1.5	% W/W	LMP											
3 DKC 64-10																
4 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE		0	93	95	94	0	91	95	94	0	88
4 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE											
4 AMS	100	SG	1.5	% W/W	PRE											
4 EXCEED	57	DF	0.036	LB A/A	LMP											
4 COC		L	1	QT/A	LMP											
4 AMS	100	SG	1.5	% W/W	LMP											
4 DKC 64-10																
5 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE		0	95	93	94	0	95	93	94	0	95
5 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE											
5 AMS	100	SG	1.5	% W/W	PRE											
5 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP											
5 AMS	100	SG	1.5	% W/W	LMP											
5 RX740RR																

09-19-01 (C1042)

AOV Means Table Page 2 of 2

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

## NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1042

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS
							ZEAMX	ZEAMX	ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
					P	P	P	P	P	P	P	P	P	P	P
6 BICEP II MAGNUM	5.5 L	2.89 LB A/A PRE		2 WEEKS	0	96	93	93	0	96	93	90	0	96	93
6 ROUNDUP ULTRAMAX	5 SL	1 LB A/A PRE		2 WEEKS	0	0	0	0	0	0	0	0	0	0	0
6 AMS	100 SG	1.5 % W/W PRE		2 WEEKS											
6 EXCEED	57 DF	0.036 LB A/A LMP		4 WEEKS											
6 COC	L	1 QT/A LMP		4 WEEKS											
6 AMS	100 SG	1.5 % W/W LMP		4 WEEKS											
6 RX740RR				4 WEEKS											
7 DEGREE XTRA	4.04 CS	1.5 LB A/A PRE		4 WEEKS	0	95	89	91	0	95	89	91	0	95	88
7 ROUNDUP ULTRAMAX	5 SL	1 LB A/A PRE		4 WEEKS	0	0	0	0	0	0	0	0	0	0	0
7 AMS	100 SG	1.5 % W/W PRE		4 WEEKS											
7 ROUNDUP ULTRAMAX	5 SL	1 LB A/A LMP		4 WEEKS											
7 AMS	100 SG	1.5 % W/W LMP		4 WEEKS											
7 RX738RR				4 WEEKS											
8 BICEP II MAGNUM	5.5 L	2.89 LB A/A PRE		4 WEEKS	0	93	95	93	0	93	95	93	0	84	95
8 ROUNDUP ULTRAMAX	5 SL	1 LB A/A PRE		4 WEEKS	0	0	0	0	0	0	0	0	0	0	0
8 AMS	100 SG	1.5 % W/W PRE		4 WEEKS											
8 EXCEED	57 DF	0.036 LB A/A LMP		4 WEEKS											
8 COC	L	1 QT/A LMP		4 WEEKS											
8 AMS	100 SG	1.5 % W/W LMP		4 WEEKS											
8 RX738RR				4 WEEKS											
LSD (P=.05)					0.0	3.5	3.8	3.8	0.0	3.4	3.8	3.5	0.0	5.0	3.6
Standard Deviation					0.0	2.4	2.6	2.6	0.0	2.3	2.6	2.4	0.0	3.4	2.4
CV					0.0	2.52	2.81	2.8	0.0	2.43	2.81	2.55	0.0	3.72	2.6
															2.33

09-19-01 (C1042)

Site Description Page 1 of 3

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

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1042 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-23-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD                   **Variety:** DEKALB DK626RR

**Planting Date:** 04-23-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**Crop 2:** ZEAMX CORN, FIELD                   **Variety:** DEKALB DKC64-10

**Planting Date:** 04-23-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**Crop 3:** ZEAMX CORN, FIELD                   **Variety:** ASGROW RX740RR

**Planting Date:** 04-23-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

09-19-01 (C1042)

Site Description Page 2 of 3

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

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1042 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD

Variety: ASGROW RX738RR

Planting Date: 04-23-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 64 F Soil Moisture: NORMAL

Emergence Date: 05-01-01

Plot Width, Unit: 10

FT

Site Type: FIELD

Tillage Type: NO-TILL

SITE AND DESIGN

Plot Length, Unit: 33 FT

Reps: 4

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 3 % OM: 3.5 Texture: SILT LOAM

% Silt: 64 pH: 6.5 Soil Name: LANTON

% Clay: 33 CEC: 25 Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A B

Application Date: 04-23-01 05-29-01

Time of Day: 10:00 11:00

Application Method: SPRAY SPRAY

Application Timing: PRE LMP

Applic. Placement: BROSOI BROFOL

Air Temp., Unit: 72 F 63 F

% Relative Humidity: 60 68

Wind Velocity, Unit: 3 MPH 3 MPH

Dew Presence (Y/N): N N

Soil Temp., Unit: 64 F 69 F

Soil Moisture: ADEQUATE ADEQUATE

% Cloud Cover: 10 20

09-19-01 (C1042)

Site Description Page 3 of 3

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

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1042 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A B

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 2 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 3 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 4 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN

WEED STAGE AT EACH APPLICATION

A B

Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR LMP
Stage Scale:		12LF
Density, Unit:		8 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS LMP
Stage Scale:		2LF
Density, Unit:		2 IN

APPLICATION EQUIPMENT

A B

Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-19-01 (C1041)

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

AOV Means Table Page 1 of 1

## CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041  
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK  
Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	SETFA			AMBTR			IPOSS			SETFA			AMBTR			IPOSS			SETFA			AMBTR			IPOSS					
	ZEAMX			INJURY			CONTROL			ZEAMX			INJURY			CONTROL			ZEAMX			INJURY			CONTROL					
	PERCENT			PERCENT			PERCENT			PERCENT			PERCENT			PERCENT			PERCENT			PERCENT			PERCENT					
	2 WEEK			2 WEEK			2 WEEK			4 WEEK			4 WEEK			4 WEEK			8 WEEK			8 WEEK			8 WEEK					
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	90	93	89	0	90	93	89	0	86	86	81	0	86	86	81	0	89	88	83	0	86	90	85	
1 HARNESS XTRA 1 MON 12075 1 SPREADER HF 1 AMS 1 8362 IT	5.6 EC 67.5 WG	3.36 LB 0.169 LB	A/A A/A	PRE LMP		0	90	93	89	0	90	93	89	0	86	86	81	0	89	88	83	0	86	90	85	0	86	90	81	
2 BICEP II MAGNUM 2 EXCEED 2 COC 2 AMS 2 8362 IT	5.5 L 57 DF	2.89 LB 0.036 LB	A/A A/A	PRE LMP		0	95	95	91	0	95	95	91	0	89	88	83	0	95	94	90	0	90	90	85	0	95	94	90	
3 AATREX 3 LIGHTNING 3 COC 3 AMS 3 8362 IT	4 F 70 DG	1 LB 0.056 LB	A/A A/A	PRE LMP		0	95	94	90	0	95	94	90	0	86	90	85	0	95	94	90	0	90	90	85	0	95	94	90	
4 8362 IT (BUFFER STRIP)						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 DEGREE XTRA 5 ROUNDUP ULTRAMAX 5 AMS 5 DKC 64-10	4.04 CS 5 SL 100 SG	1.5 LB 1 LB 1.5 %	A/A A/A W/W	PRE LMP LMP		0	94	95	93	0	94	95	93	0	89	90	80	0	94	95	93	0	89	90	80	0	94	95	93	
6 READYMMASTER ATZ 6 AMS 6 DKC 64-10	4 SC 100 SG	2 LB 1.5 %	A/A W/W	LMP LMP		0	95	95	94	0	95	95	94	0	88	89	83	0	95	94	90	0	88	89	83	0	95	94	90	
7 HARNESS XTRA 7 MON 12075 7 SPREADER HF 7 AMS 7 DKC 64-10	5.6 EC 67.5 WG 100 SG	3.36 LB 0.169 LB 0.25 %	A/A A/A V/V	PRE LMP LMP		0	88	91	89	0	88	91	89	0	81	90	81	0	88	91	89	0	81	90	81	0	88	91	89	

09-19-01 (C1041)

AOV Means Table Page 2 of 3

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

## CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form Conc	Form Type	Rate Unit	Grow Stg	ZEAMX			ZEAMX			ZEAMX					
					INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL			
					PERCENT											
					2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK			
					P	P	P	P	P	P	P	P	P			
					0	0	0	0	0	0	0	0	0			
8 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	0	93	95	93	0	93	95	93	0	85	89	84
8 EXCEED	57 DF	0.036 LB	A/A	LMP												
8 COC	L	1 QT/A		LMP												
8 AMS	100 SG	1.5 %	W/W	LMP												
8 DDK 64-10																
9 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	0	94	94	93	0	94	94	93	0	89	88	85
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP												
9 AMS	100 SG	1.5 %	W/W	LMP												
9 RX740RR																
10 READYMASTER ATZ	4 SC	2 LB	A/A	LMP	3	95	94	95	3	95	94	95	3	88	89	88
10 AMS	100 SG	1.5 %	W/W	LMP												
10 RX740RR																
11 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE	0	91	90	88	0	91	90	88	0	89	85	85
11 MON 12075	67.5 WG	0.169 LB	A/A	LMP												
11 SPREADER HF		0.25 %	V/V	LMP												
11 AMS	100 SG	1.5 %	W/W	LMP												
11 RX740RR																
12 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	0	95	94	94	0	95	94	94	0	86	88	86
12 EXCEED	57 DF	0.036 LB	A/A	LMP												
12 COC	L	1 QT/A		LMP												
12 AMS	100 SG	1.5 %	W/W	LMP												
12 RX740RR																
13 RX740RR (BUFFER STRIP)					0	0	0	0	0	0	0	0	0	0	0	0
14 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE	0	91	91	90	0	91	91	90	0	85	89	85
14 MON 12075	67.5 WG	0.169 LB	A/A	LMP												
14 SPREADER HF		0.25 %	V/V	LMP												
14 AMS	100 SG	1.5 %	W/W	LMP												
14 8481 IT																

09-19-01 (C1041)

AOV Means Table Page 3 of 3

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

## CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS				
							ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
							P	P	P	P	P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0	0	0	0	0
15 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE		0	94	95	93	0	94	95	93	0	88	88	88	89	
15 EXCEED	57 DF	0.036 LB	A/A	LMP															
15 COC	L	1 QT/A		LMP															
15 AMS	100 SG	1.5 % W/W		LMP															
15 8481 IT																			
16 AATREX	4 F	1 LB	A/A	PRE		0	95	94	93	0	95	94	93	0	89	89	89	84	
16 LIGHTNING	70 DG	0.056 LB	A/A	LMP															
16 COC	L	1 QT/A		LMP															
16 AMS	100 SG	1.5 % W/W		LMP															
16 8481 IT																			
LSD (P=.05)		1.0	3.9	3.3	3.5	1.0	3.9	3.3	3.5	1.0	4.7	4.6	5.5						
Standard Deviation		0.7	2.7	2.3	2.5	0.7	2.7	2.3	2.5	0.7	3.3	3.2	3.8						
CV		461.88	3.32	2.78	3.08	461.88	3.32	2.78	3.08	461.88	4.32	4.14	5.2						

09-19-01 (C1041)

Site Description Page 1 of 3

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

CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-23-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD                   **Variety:** GARST 8362IT

**Planting Date:** 04-23-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**Crop 2:** ZEAMX CORN, FIELD                   **Variety:** DEKALB DKC64-10

**Planting Date:** 04-23-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**Crop 3:** ZEAMX CORN, FIELD                   **Variety:** ASGROW RX740RR

**Planting Date:** 04-23-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

09-19-01 (C1041)

Site Description Page 2 of 3

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

CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD

Variety: GARST 8481IT

Planting Date: 04-23-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 64 F Soil Moisture: NORMAL

Emergence Date: 05-01-01

Plot Width, Unit: 10 FT

Plot Length, Unit: 33 FT

Reps: 4

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 3

% OM: 4

Texture: SILT LOAM

% Silt: 65

pH: 6.4

Soil Name: LANTON

% Clay: 32

CEC: 25

Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A B

Application Date: 04-23-01 05-25-01

Time of Day: 10:00 10:00

Application Method: SPRAY SPRAY

Application Timing: PRE LMP

Applic. Placement: BROSOI BROFOL

Air Temp., Unit: 72 F 56 F

% Relative Humidity: 60 70

Wind Velocity, Unit: 3 MPH 4 MPH

Dew Presence (Y/N): N N

Soil Temp., Unit: 64 F 63 F

Soil Moisture: ADEQUATE ADEQUATE

% Cloud Cover: 10 10

09-19-01 (C1041)

Site Description Page 3 of 3

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

## CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041                            Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.                 Investigator: Charles Slack**CROP STAGE AT EACH APPLICATION****A****B**

<b>Crop 1 Code, Stage:</b> ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
<b>Crop 2 Code, Stage:</b> ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
<b>Crop 3 Code, Stage:</b> ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
<b>Crop 4 Code, Stage:</b> ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN

**WEED STAGE AT EACH APPLICATION****A****B**

<b>Weed 1 Code, Stage:</b> SETFA PRE	SETFA LMP
Stage Scale:	2LF
Density, Unit:	3 IN
<b>Weed 2 Code, Stage:</b> AMBTR PRE	AMBTR LMP
Stage Scale:	12LF
Density, Unit:	8 IN
<b>Weed 3 Code, Stage:</b> IPOSS PRE	IPOSS LMP
Stage Scale:	2LF
Density, Unit:	2 IN

**APPLICATION EQUIPMENT****A****B**

<b>Appl. Equipment:</b>	ATV	BACKPACK
<b>Operating Pressure:</b>	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2

09-19-01 (C1043)

AOV Means Table Page 1 of 2

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

## CORN CONVENTIONAL SYSTEM II (VARIETIES)

Trial ID: C1043

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form Conc	Form Type	Rate Rate	Grow Unit Stg	ZEAMX			ZEAMX			ZEAMX					
					SETFA	AMBTR	IPOSS	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL			
					PERCENT											
					2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK			
					P	P	P	P	P	P	P	P	P			
					0	0	0	0	0	0	0	0	0			
1 DEGREE XTRA	4.04 CS		1.5 LB	A/A PRE	0	99	99	96	0	99	99	96	0	99	99	96
1 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LMP												
1 AMS	100 SG		1.5 % W/W	LMP												
1 DK 626																
2 BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE	0	100	100	98	0	100	100	98	0	98	100	98
2 EXCEED	57 DF		0.036 LB	A/A LMP												
2 COC	L		1 QT/A	LMP												
2 AMS	100 SG		1.5 % W/W	LMP												
2 DK 626																
3 DEGREE XTRA	4.04 CS		1.5 LB	A/A PRE	0	100	100	99	0	100	100	99	0	98	100	99
3 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LMP												
3 AMS	100 SG		1.5 % W/W	LMP												
3 DKC 64-10																
4 BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE	0	100	99	99	0	100	99	99	0	99	99	99
4 EXCEED	57 DF		0.036 LB	A/A LMP												
4 COC	L		1 QT/A	LMP												
4 AMS	100 SG		1.5 % W/W	LMP												
4 DKC 64-10																
5 DEGREE XTRA	4.04 CS		1.5 LB	A/A PRE	0	100	98	94	0	100	98	94	0	98	98	94
5 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LMP												
5 AMS	100 SG		1.5 % W/W	LMP												
5 RX740RR																
6 BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE	0	100	100	98	0	100	100	98	0	98	100	98
6 EXCEED	57 DF		0.036 LB	A/A LMP												
6 COC	L		1 QT/A	LMP												
6 AMS	100 SG		1.5 % W/W	LMP												
6 RX740RR																
7 DEGREE XTRA	4.04 CS		1.5 LB	A/A PRE	0	100	99	94	0	100	99	94	0	98	95	91
7 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LMP												
7 AMS	100 SG		1.5 % W/W	LMP												
7 RX738RR																

09-19-01 (C1043)

AOV Means Table Page 2 of 2

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

## CORN CONVENTIONAL SYSTEM II (VARIETIES)

Trial ID: C1043

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	SETFA		AMBTR		IPOSS		SETFA		AMBTR		IPOSS		SETFA		AMBTR		IPOSS			
					ZEAMX	INJURY	CONTROL	CONTROL																
		PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT
					2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	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	P	P	P	P	P	P	P	P	P	P	
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment		Form Conc	Form Type	Rate	Grow																			
No. Name				Rate	Unit	Stg																		
8 BICEP II MAGNUM		5.5 L	2.89 LB	A/A	PRE		0	100	100	95	0	100	100	95	0	99	100	94						
8 EXCEED		57 DF	0.036 LB	A/A	LMP																			
8 COC		L	1 QT/A		LMP																			
8 AMS		100 SG	1.5 % W/W		LMP																			
8 RX738RR																								
LSD (P=.05)							0.0	1.3	3.6	5.5	0.0	1.3	3.6	5.5	0.0	4.1	3.3	4.6						
Standard Deviation							0.0	0.9	2.4	3.7	0.0	0.9	2.4	3.7	0.0	2.8	2.2	3.2						
CV							0.0	0.89	2.44	3.86	0.0	0.89	2.44	3.86	0.0	2.87	2.28	3.29						

09-19-01 (C1043)

Site Description Page 1 of 3

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

CORN CONVENTIONAL SYSTEM II (VARIETIES)

Trial ID: C1043 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                           **Trial Status:** COMPLETE  
**State/Prov.:** KY                           **Initiation Date:** 04-23-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                           Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** ZEAMX CORN, FIELD                           **Variety:** DEKALB DK626RR  
**Planting Date:** 04-23-01                           **Planting Method:** ROW  
**Rate:** 28000 S/A                           **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                           **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                           **Soil Moisture:** NORMAL                           **Emergence Date:** 05-01-01

**Crop 2:** ZEAMX CORN, FIELD                           **Variety:** DEKALB DKC64-10  
**Planting Date:** 04-23-01                           **Planting Method:** ROW  
**Rate:** 28000 S/A                           **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                           **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                           **Soil Moisture:** NORMAL                           **Emergence Date:** 05-01-01

**Crop 3:** ZEAMX CORN, FIELD                           **Variety:** ASGROW RX740RR  
**Planting Date:** 04-23-01                           **Planting Method:** ROW  
**Rate:** 28000 S/A                           **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                           **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                           **Soil Moisture:** NORMAL                           **Emergence Date:** 05-01-01

09-19-01 (C1043)

Site Description Page 2 of 3

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

CORN CONVENTIONAL SYSTEM II (VARIETIES)

Trial ID: C1043 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**Crop 4:** ZEAMX CORN, FIELD                   **Variety:** ASGROW RX738RR  
**Planting Date:** 04-23-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 64 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-01-01

**SITE AND DESIGN**  
**Plot Width, Unit:** 10 FT                   **Plot Length, Unit:** 33 FT                   **Reps:** 4  
**Site Type:** FIELD  
**Tillage Type:** CONVENTIONAL                   **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**  
**% Sand:** 3                   **% OM:** 4                   **Texture:** SILT LOAM  
**% Silt:** 63                   **pH:** 6.5                   **Soil Name:** LANTON  
**% Clay:** 34                   **CEC:** 27                   **Fert. Level:** EXCELLENT

**Overall Moisture Conditions:** NORMAL  
**Closest Weather Station:** SPINDLETOP                   **Distance:** 1.5                   **Unit:** MI

**APPLICATION DESCRIPTION**

	A	B
<b>Application Date:</b>	04-23-01	05-25-01
<b>Time of Day:</b>	10:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	LMP
<b>Applic. Placement:</b>	BROSOI	BROFOL
<b>Air Temp., Unit:</b>	64 F	56 F
<b>% Relative Humidity:</b>	60	70
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N
<b>Soil Temp., Unit:</b>	64 F	63 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	10

09-19-01 (C1043)

Site Description Page 3 of 3

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

## CORN CONVENTIONAL SYSTEM II (VARIETIES)

Trial ID: C1043 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## CROP STAGE AT EACH APPLICATION

A	B
---	---

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 2 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 3 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 4 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN

## WEED STAGE AT EACH APPLICATION

A	B
---	---

Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR LMP
Stage Scale:		12LF
Density, Unit:		8 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS LMP
Stage Scale:		2LF
Density, Unit:		2 IN

## APPLICATION EQUIPMENT

A	B
---	---

Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-19-01 (C1010)

AOV Means Table Page 1 of 2

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

## CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SORHA	SORHA	SORHA
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	SORHA	SORHA	SORHA			
1	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	12J		0	95	0	95	0	90
2	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	12J		0	98	0	98	0	98
2	ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	30"C							
3	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	18J		0	95	0	95	0	93
4	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	30"C		0	95	0	95	0	93
5	DEGREE	3.8 CS		1 LB A/A	PRE		0	95	0	85	0	88
5	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	18J							
6	DEGREE XTRA	4.04 CS		1.5 LB A/A	PRE		0	95	0	88	0	93
6	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	18J							
7	READYMASTER ATZ	4 SC		2 LB A/A	12J		0	93	0	92	0	92
8	READYMASTER ATZ	4 SC		2 LB A/A	18J		0	95	0	95	0	95
9	TOUCHDOWN IQ	4 SL		1 LB A/A	12J		0	93	0	93	0	92
10	TOUCHDOWN IQ	4 SL		1 LB A/A	18J		0	95	0	95	0	92
11	TOUCHDOWN IQ	4 SL		1 LB A/A	30"C		0	95	0	95	0	95
12	DUAL II MAGNUM	7.6 EC		1 LB A/A	PRE		0	95	0	95	0	95
12	TOUCHDOWN IQ	4 SL		1 LB A/A	18J							
13	BICEP II MAGNUM	5.5 L		1.5 LB A/A	PRE		0	93	0	93	0	90
13	TOUCHDOWN IQ	4 SL		1 LB A/A	18J							
14	FULTIME	4 CS		1.55 LB A/A	PRE		0	97	0	92	0	97
14	GLYPHOMAX	4 SL		1 LB A/A	18J							
15	BICEP II MAGNUM	5.5 L		2.88 LB A/A	PRE		0	92	0	88	0	87
15	EXCEED	57 DF		0.036 LB A/A	18J							
15	CO	L		1 QT/A	18J							
15	LIQUID N	L		1 QT/A	18J							

09-19-01 (C1010)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SORHA	SORHA	SORHA
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
16 OUTLOOK	6 EC		0.9 LB	A/A	PRE	0	90	0	83
16 CELEBRITY PLUS	70 WG		0.2 LB	A/A	18J			0	88
16 COC	L		1 QT/A		18J				
16 LIQUID N	L		1 QT/A		18J				
LSD (P=.05)			0.0	3.0	0.0	3.3	0.0	5.9	
Standard Deviation			0.0	1.8	0.0	2.0	0.0	3.6	
CV			0.0	1.92	0.0	2.16	0.0	3.85	

09-19-01 (C1010)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 04-30-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code Common Name Scientific Name  
1. SORHA JOHNSONGRASS SORGHUM HALEPENSE

Crop 1: ZEAMX CORN, FIELD      Variety: ASGROW RX738RR  
Planting Date: 04-30-01      Planting Method: ROW  
Rate: 28000 S/A      Depth: 1.5 IN  
Row Spacing: 30 IN      Seed Bed: MEDIUM  
Soil Temperature: 63 F      Soil Moisture: NORMAL      Emergence Date: 05-08-01

#### SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 33 FT      Reps: 3  
Site Type: FIELD  
Tillage Type: CONVENTIONAL      Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand: 6 % OM: 2.6      Texture: SILT LOAM  
% Silt: 62 pH: 6.5      Soil Name: MAURY  
% Clay: 32 CEC: 17      Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP      Distance: 1.5 Unit: MI

09-19-01 (C1010)

Site Description Page 2 of 3

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

## CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION DESCRIPTION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Application Date:</b>	04-30-01	05-22-01	05-30-01	06-03-01
<b>Time of Day:</b>	11:00	2:00	1:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	12J	18J	30"C
<b>Appl. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	63 F	59 F	64 F	58 F
<b>% Relative Humidity:</b>	57	68	69	73
<b>Wind Velocity, Unit:</b>	5 MPH	3 MPH	5 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	63 F	68 F	69 F	63 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	20	10	10	20

**CROP STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX 12J	ZEAMX 18J	ZEAMX 30"C
<b>Height, Unit:</b>		12 IN	14 IN	16 IN

**WEED STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Weed 1 Code, Stage:</b>	SORHA PRE	SORHA 12J	SORHA 18J	SORHA 30"C
<b>Stage Scale:</b>		5LF	7LF	8LF
<b>Density, Unit:</b>		12 IN	18 IN	20 IN

09-19-01 (C1010)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	19 IN	19 IN	19 IN	19 IN
<b>Ground Speed, Unit:</b>	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO <sub>2</sub>	CO <sub>2</sub>	CO <sub>2</sub>	CO <sub>2</sub>

09-19-01 (C1011)

AOV Means Table Page 1 of 2

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

## CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C1011 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SORHA	SORHA	SORHA
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 ACCENT	75 WG		0.023	LB A/A	15J	0	83	0	83
1 COC		L		1 QT/A	15J				
1 AMS	100 SG		2.5	LB A/A	15J				
1 CLEARFEILD CORN									
2 ACCENT	75 WG		0.031	LB A/A	15J	0	92	0	92
2 COC		L		1 QT/A	15J				
2 AMS	100 SG		2.5	LB A/A	15J				
2 CLEARFEILD CORN									
3 SPIRIT	57 WG		0.036	LB A/A	15J	0	83	0	80
3 COC		L		1 QT/A	15J				
3 AMS	100 SG		2.5	LB A/A	15J				
3 CLEARFEILD CORN									
4 SPIRIT	57 WG		0.036	LB A/A	15J	0	92	0	92
4 ACCENT	75 WG		0.016	LB A/A	15J				
4 COC		L		1 QT/A	15J				
4 AMS	100 SG		2.5	LB A/A	15J				
4 CLEARFEILD CORN									
5 LIGHTNING	70 DG		0.056	LB A/A	15J	0	85	0	85
5 SPREADER HF			1 %	V/V	15J				
5 AMS	100 SG		2.5	LB A/A	15J				
5 CLEARFEILD CORN									
6 LIGHTNING	70 DG		0.056	LB A/A	15J	0	90	0	90
6 ACCENT	75 WG		0.016	LB A/A	15J				
6 SPREADER HF			1 %	V/V	15J				
6 AMS	100 SG		2.5	LB A/A	15J				
6 CLEARFEILD CORN									
7 LIBERTY	1.67 E		0.36	LB A/A	15J	0	90	0	83
7 AMS	100 SG		3	LB A/A	15J				
7 LIBERTY LINK									

09-19-01 (C1011)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C1011 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SORHA	SORHA	SORHA
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No.	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
8 LIBERTY	1.67 E	0.36 LB	A/A	15J	0	95	0	90	0	93
8 ACCENT	75 WG	0.016 LB	A/A	15J						
8 AMS	100 SG	3 LB	A/A	15J						
8 LIBERTY LINK										
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	15J	0	93	0	93	0	93
9 ROUNDUP READY										
10 AE F130360	70 WG	0.055 LB	A/A	15J	0	88	0	88	0	88
10 MSO	L	1 QT/A		15J						
10 AMS	100 SG	2.5 LB	A/A	15J						
10 ROUNDUP READY										
11 CHECK UNTREATED					0	0	0	0	0	0
12 CHECK UNTREATED					0	0	0	0	0	0
LSD (P=.05)					0.0	8.3	0.0	8.1	0.0	6.4
Standard Deviation					0.0	4.9	0.0	4.8	0.0	3.8
CV					0.0	6.57	0.0	6.57	0.0	5.03

09-19-01 (C1011)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C1011 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-27-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

**Weed Code** Common Name    Scientific Name  
1. SORHA JOHNSONGRASS SORGHUM HALEPENSE

**Crop 1:** ZEAMX CORN, FIELD                   **Variety:** GARST 8541IT  
**Planting Date:** 04-27-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 62 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-05-01

**Crop 2:** ZEAMX CORN, FIELD                   **Variety:** PIONEER 33G28  
**Planting Date:** 04-27-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 62 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-05-01

**Crop 3:** ZEAMX CORN, FIELD                   **Variety:** ASGROW RX738RR  
**Planting Date:** 04-27-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 62 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-05-01

09-19-01 (C1011)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C1011                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.         Investigator: Charles Slack

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT      **Plot Length, Unit:** 33 FT      **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

**% Sand:** 6      **% OM:** 2.6      **Texture:** SILT LOAM  
**% Silt:** 62      **pH:** 6.5      **Soil Name:** MAURY  
**% Clay:** 32      **CEC:** 17      **Fert. Level:** EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** SPINDLETOP

**Distance:** 1.5      **Unit:** MI

**APPLICATION DESCRIPTION**

**A**

**Application Date:** 05-29-01

**Time of Day:** 2:00

**Application Method:** SPRAY

**Application Timing:** 15J

**Applc. Placement:** BROFOL

**Air Temp., Unit:** 63 F

**% Relative Humidity:** 68

**Wind Velocity, Unit:** 4 MPH

**Dew Presence (Y/N):** N

**Soil Temp., Unit:** 68 F

**Soil Moisture:** ADEQUATE

**% Cloud Cover:** 20

**CROP STAGE AT EACH APPLICATION**

**A**

**Crop 1 Code, Stage:** ZEAMX 15J

**Height, Unit:** 15 IN

**Crop 2 Code, Stage:** ZEAMX 15J

**Height, Unit:** 15 IN

**Crop 3 Code, Stage:** ZEAMX 15J

**Height, Unit:** 15 IN

09-19-01 (C1011)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C1011                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.         Investigator: Charles Slack

**WEED STAGE AT EACH APPLICATION**

**A**

**Weed 1 Code, Stage:** SORHA 15J

**Stage Scale:** 6LF

**Density, Unit:** 16 IN

**APPLICATION EQUIPMENT**

**A**

**Appl. Equipment:** BACKPACK

**Operating Pressure:** 30

**Nozzle Type:** FLAT FAN

**Nozzle Size:** 8004 DG

**Nozzle Spacing, Unit:** 20 IN

**Boom Length, Unit:** 5 FT

**Boom Height, Unit:** 20 IN

**Ground Speed, Unit:** 3.5 MPH

**Carrier:** WATER

**Spray Volume, Unit:** 24 GPA

**Propellant:** CO2

09-19-01 (C1012)

AOV Means Table Page 1 of 2

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

## CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form No. Name	Form Conc	Rate Type	Unit	Grow Stg	SORHA	ABUTH	IPOSS	SORHA	ABUTH	IPOSS	SORHA	ABUTH	IPOSS				
						ZEAMX												
						INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL				
						PERCENT												
Trt Treatment		Form Form		Rate		P		P		P		P		P				
No. Name		Conc Type		Rate		0		0		0		0		0				
1 DEFINE		60 DF	0.45	LB A/A	PRE	0	93	95	93	0	87	95	85	0	87	92	85	
1 AATREX		4 F	1.5	LB A/A	PRE													
1 AE F130360		70 WG	0.035	LB A/A	15J													
1 MSO		L	0.75	QT/A	15J													
1 LIQUID N		L	2	QT/A	15J													
2 DEFINE		60 DF	0.45	LB A/A	PRE	0	92	92	90	0	82	92	73	0	77	90	73	
2 AATREX		4 F	1.5	LB A/A	PRE													
2 AE F130360		70 WG	0.066	LB A/A	15J													
2 MSO		L	0.75	QT/A	15J													
2 LIQUID N		L	2	QT/A	15J													
3 DEFINE		60 DF	0.077	LB A/A	PRE	0	88	90	88	0	82	90	80	0	82	88	80	
3 AATREX		4 F	1.5	LB A/A	PRE													
3 AE F130360		70 WG	0.035	LB A/A	15J													
3 MSO		L	0.75	QT/A	15J													
3 LIQUID N		L	2	QT/A	15J													
4 DEFINE		60 DF	0.45	LB A/A	PRE	0	90	93	92	0	83	93	80	0	78	92	80	
4 AATREX		4 F	1.5	LB A/A	PRE													
4 AE F130360		61 WG	0.067	LB A/A	15J													
4 MSO		L	0.75	QT/A	15J													
4 LIQUID N		L	2	QT/A	15J													
5 DEFINE		60 DF	0.45	LB A/A	PRE	0	93	95	93	0	90	95	82	0	80	92	82	
5 AATREX		4 F	1.5	LB A/A	PRE													
5 STEADFAST		75 WG	0.035	LB A/A	15J													
5 MSO		L	0.75	QT/A	15J													
5 LIQUID N		L	2	QT/A	15J													
6 DEFINE		60 DF	0.45	LB A/A	PRE	3	87	93	93	3	83	93	78	3	83	93	78	
6 AATREX		4 F	1.5	LB A/A	PRE													
6 AE F130360		70 WG	0.066	LB A/A	15J													
6 AATREX		4 F	1	LB A/A	15J													
6 MSO		L	0.75	QT/A	15J													
6 LIQUID N		L	2	QT/A	15J													

09-19-01 (C1012)

AOV Means Table Page 2 of 2

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

## CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SORHA	ABUTH	IPOSS	SORHA	ABUTH	IPOSS	SORHA	ABUTH	IPOSS
							ZEAMX	ZEAMX	ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
							2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK
							P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0
7 DEFINE	60 DF	0.45 LB A/A PRE		0	92	95	92	0	82	95	75	0	78	93	75
7 AATREX	4 F	1.5 LB A/A PRE													
7 AE F130360	61 WG	0.067 LB A/A 15J													
7 AATREX	4 F	1 LB A/A 15J													
7 MSO	L	0.75 QT/A 15J													
7 LIQUID N	L	2 QT/A 15J													
8 BALANCE PRO	4 SC	0.063 LB A/A PRE		0	92	93	92	0	83	93	77	0	80	90	77
8 AATREX	4 F	1 LB A/A PRE													
8 AE F130360	70 WG	0.066 LB A/A 15J													
8 MSO	L	0.75 QT/A 15J													
8 LIQUID N	L	2 QT/A 15J													
9 BALANCE PRO	4 SC	0.063 LB A/A PRE		0	92	93	93	0	80	93	87	0	77	92	87
9 AATREX	4 F	1 LB A/A PRE													
9 AE F130360	61 WG	0.067 LB A/A 15J													
9 MSO	L	0.75 QT/A 15J													
9 LIQUID N	L	2 QT/A 15J													
10 AXIOM	68 DF	0.425 LB A/A PRE		0	92	93	92	0	82	93	85	0	82	92	85
10 LIGHTNING	70 DG	0.056 LB A/A 15J													
10 COC	L	1 QT/A 15J													
10 LIQUID N	L	1 QT/A 15J													
11 DEFINE	60 DF	0.338 LB A/A PRE		0	90	95	95	0	87	95	85	0	78	93	85
11 LIGHTNING	70 DG	0.056 LB A/A 15J													
11 COC	L	1 QT/A 15J													
11 LIQUID N	L	1 QT/A 15J													
12 BICEP II MAGNUM	5.5 L	2.88 LB A/A PRE		0	85	93	93	0	83	93	77	0	80	92	77
12 EXCEED	57 DF	0.036 LB A/A 15J													
12 COC	L	1 QT/A 15J													
12 LIQUID N	L	1 QT/A 15J													
LSD (P=.05)					2.8	7.4	4.3	5.2	2.8	5.4	4.3	10.1	2.8	6.1	4.6
Standard Deviation					1.7	4.4	2.6	3.1	1.7	3.2	2.6	6.0	1.7	3.6	2.7
CV					600.0	4.84	2.74	3.33	600.0	3.85	2.74	7.47	600.0	4.47	2.99
															7.47

09-19-01 (C1012)

Site Description Page 1 of 3

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

CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                    **Trial Status:** COMPLETE  
**State/Prov.:** KY                    **Initiation Date:** 04-26-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                    Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SORHA JOHNSONGRASS	SORGHUM HALEPENSE
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	IPOSS MORNINGGLORY, IPOMOEA SP. IPOMOEA SP.	

**Crop 1:** ZEAMX CORN, FIELD                    **Variety:** GARST 8541IT

**Planting Date:** 04-26-01                    **Planting Method:** ROW

**Rate:** 28000 S/A                    **Depth:** 1.5 IN

**Row Spacing:** 30 IN                    **Seed Bed:** MEDIUM

**Soil Temperature:** 59 F                    **Soil Moisture:** NORMAL                    **Emergence Date:** 05-03-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                    **Plot Length, Unit:** 33 FT                    **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL                    **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.6	<b>Texture:</b>	SILT LOAM
% Silt:	62	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	34	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** SPINDLETOP                    **Distance:** 1.5 **Unit:** MI

09-19-01 (C1012)

Site Description Page 2 of 3

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

CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION DESCRIPTION

A B

Application Date:	04-30-01	05-29-01
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	15J
Applie. Placement:	BROSOI	BROFOL
Air Temp., Unit:	63 F	63 F
% Relative Humidity:	58	68
Wind Velocity, Unit:	5 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	63 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

CROP STAGE AT EACH APPLICATION

A B

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 15J
Height, Unit:	12	IN

WEED STAGE AT EACH APPLICATION

A B

Weed 1 Code, Stage:	SORHA PRE	SORHA 15J
Stage Scale:		5LF
Density, Unit:	16	IN
Weed 2 Code, Stage:	ABUTH PRE	ABUTH 15J
Stage Scale:		4LF
Density, Unit:	4	IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS 15J
Stage Scale:		3LF
Density, Unit:	3	IN

09-19-01 (C1012)

Site Description Page 3 of 3

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

CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B		
Appl. Equipment:	ATV	BACKPACK		
Operating Pressure:	30	30		
Nozzle Type:	FLAT	FAN	FLAT	FAN
Nozzle Size:	8004	DG	8004	DG
Nozzle Spacing, Unit:	20	IN	20	IN
Boom Length, Unit:	5	FT	5	FT
Boom Height, Unit:	20	IN	20	IN
Ground Speed, Unit:	4	MPH	3.5	MPH
Carrier:	WATER	WATER		
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2	CO2		

09-18-01 (C1004)

AOV Means Table Page 1 of 3

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

## NO-TILL CORN STALKLAND

Trial ID: C1004

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	SETFA		AMACH		SETFA		AMACH		SETFA		AMACH					
					ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	P	PERCENT	P	PERCENT
ARM Action Codes	# Subsamples, Dec.				2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS									
					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg														
1 DEGREE XTRA		4.04 CS	3.03 LB	A/A	PRE		0	37	60	0	37	60	0	37	60	0	37	60	0	37
1 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
1 AMS		100 SG	2 %	W/W	PRE															
2 DEGREE XTRA		4.04 CS	3.03 LB	A/A	PRE		0	93	92	0	90	88	0	90	88	0	90	88	0	90
2 AATREX		4 F	1 LB	A/A	PRE															
2 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
2 AMS		100 SG	2 %	W/W	PRE															
3 DEGREE XTRA		4.04 CS	3.03 LB	A/A	PRE		0	90	92	0	87	92	0	87	92	0	87	92	0	87
3 PRINCEP		4 F	1 LB	A/A	PRE															
3 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
3 AMS		100 SG	2 %	W/W	PRE															
4 DEGREE XTRA		4.04 CS	2.5 LB	A/A	PRE		0	93	93	0	83	87	0	77	80	0	77	80	0	77
4 BALANCE PRO		4 SC	0.063 LB	A/A	PRE															
4 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
4 AMS		100 SG	2 %	W/W	PRE															
5 HARNESS XTRA		5.6 EC	3.36 LB	A/A	PRE		0	88	90	0	83	83	0	83	83	0	83	83	0	83
5 AATREX		4 F	0.5 LB	A/A	PRE															
5 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
5 AMS		100 SG	2 %	W/W	PRE															
6 HARNESS XTRA		5.6 EC	2.8 LB	A/A	PRE		0	92	87	0	90	82	0	90	82	0	90	82	0	90
6 BALANCE PRO		4 SC	0.063 LB	A/A	PRE															
6 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
6 AMS		100 SG	2 %	W/W	PRE															
7 BICEP II MAGNUM		5.5 L	3 LB	A/A	PRE		0	85	85	0	85	77	0	85	77	0	85	77	0	85
7 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
7 AMS		100 SG	2 %	W/W	PRE															
8 BICEP II MAGNUM		5.5 L	2.4 LB	A/A	PRE		0	65	83	0	65	83	0	65	83	0	65	83	0	65
8 MESOTRIONE		4 SC	0.094 LB	A/A	PRE															
8 ROUNDUP ULTRAMAX		5 SL	1 LB	A/A	PRE															
8 AMS		100 SG	2 %	W/W	PRE															

09-18-01 (C1004)

AOV Means Table Page 2 of 3

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

NO-TILL CORN STALKLAND

Trial ID: C1004

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	SETFA		AMACH		SETFA		AMACH	
					ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL
		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
		2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS				
		P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.		0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL		
9 GUARDSMAN	5 E	3.125 LB	A/A PRE			0	58	80	0	58	80	0	58	78
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A PRE											
9 AMS	100 SG	2 % W/W	PRE											
10 GUARDSMAN MAX	5 E	2.5 LB	A/A PRE			0	92	88	0	90	85	0	90	85
10 ROUNDUP ULTRAMAX	5	1 LB	A/A PRE											
10 AMS	100 SG	2 % W/W	PRE											
11 GRAMOXONE MAX	3 AS	0.563 LB	A/A PRE			0	57	65	0	57	65	0	57	65
11 BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE											
11 SPREADER HF		0.25 % V/V	PRE											
12 GRAMOXONE MAX	3 AS	0.563 LB	A/A PRE			0	92	98	0	90	95	0	88	95
12 BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE											
12 SPREADER HF		0.25 % V/V	PRE											
12 EXCEED	57 DF	0.036 LB	A/A IFN											
12 COC	L	1 QT/A	IFN											
12 LIQUID N	L	1 QT/A	IFN											
13 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE			0	78	90	0	78	90	0	78	90
13 BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE											
14 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE			0	93	97	0	85	95	0	78	93
14 BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE											
14 EXCEED	57 DF	0.036 LB	A/A IFN											
14 COC	L	1 QT/A	IFN											
14 LIQUID N	L	1 QT/A	IFN											
15 AIM	40 DF	0.008 LB	A/A PRE			0	88	93	0	70	90	0	70	90
15 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A PRE											
15 AMS	100 SG	2 % W/W	PRE											
15 EXCEED	57 DF	0.036 LB	A/A MP											
15 COC	L	1 QT/A	MP											
15 LIQUID N	L	1 QT/A	MP											

09-18-01 (C1004)

AOV Means Table Page 3 of 3

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

## NO-TILL CORN STALKLAND

Trial ID: C1004

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	SETFA		AMACH														
					ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	ZEAMX	INJURY	CONTROL	CONTROL	P	PERCENT	P	PERCENT	
# Subsamples, Dec.					2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS										
Trt Treatment	Form	Form	Rate	Grow																	
No. Name	Conc	Type	Rate	Unit																	
16 AIM	40 DF	0.016	LB A/A	PRE		0	92	95	0	85	93	0	80	92							
16 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE																
16 AMS	100 SG		2 %	W/W	PRE																
16 EXCEED	57 DF	0.036	LB A/A	MP																	
16 COC	L		1 QT/A	MP																	
16 LIQUID N	L		1 QT/A	MP																	
17 AIM	40 DF	0.008	LB A/A	PRE		0	93	98	0	90	93	0	83	90							
17 AATREX	4 F		0.5	LB A/A	PRE																
17 COC	L		1 QT/A	MP																	
17 EXCEED	57 DF	0.036	LB A/A	MP																	
17 COC	L		1 QT/A	MP																	
17 LIQUID N	L		1 QT/A	MP																	
18 LIGHTNING	70 DG	0.056	LB A/A	MP		0	95	88	0	95	88	0	95	88							
18 COC	L		1 QT/A	MP																	
18 LIQUID N	L		1 QT/A	MP																	
18 WEEDMAK																					
19 CELEBRITY PLUS	70 WG	0.21	LB A/A	MP		0	93	93	0	93	93	0	93	93							
19 COC	L		1 QT/A	MP																	
19 LIQUID N	L		1 QT/A	MP																	
19 WEEDMAK																					
20 DISTINCT	70 WG	0.262	LB A/A	MP		0	80	98	0	80	95	0	80	95							
20 AATREX	4 F		1 LB	A/A	MP																
20 SPREADER HF			0.25 %	V/V	MP																
20 LIQUID N	L		1 QT/A	MP																	
20 WEED MAK																					
LSD (P=.05)						0.0	23.3	14.8	0.0	22.7	13.7	0.0	22.8	13.8							
Standard Deviation						0.0	14.1	8.9	0.0	13.8	8.3	0.0	13.8	8.4							
CV						0.0	17.05	10.13	0.0	17.32	9.67	0.0	17.64	9.84							

09-18-01 (C1004)

Site Description Page 1 of 3

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

NO-TILL CORN STALKLAND

Trial ID: C1004 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 05-02-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.

**Crop 1:** ZEAMX CORN, FIELD                   **Variety:** GARST 8541IT

**Planting Date:** 05-02-01                   **Planting Method:** ROW

**Rate:** 28000 S/A                   **Depth:** 1.5 IN

**Row Spacing:** 30 IN                   **Seed Bed:** SMOOTH/TRASHY

**Soil Temperature:** 66 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-10-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                   **Plot Length, Unit:** 44 FT                   **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** NO-TILL                   **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.6	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.7	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	18	<b>Fert. Level:</b>	EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** SPINDLETOP                   **Distance:** 1.5                   **Unit:** MI

09-18-01 (C1004)

Site Description Page 2 of 3

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

NO-TILL CORN STALKLAND

Trial ID: C1004

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

**APPLICATION DESCRIPTION**

	A	B	C
--	---	---	---

<b>Application Date:</b>	05-02-01	05-02-01	05-30-01
<b>Time of Day:</b>	10:00	1:00	11:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	MP	IFN
<b>Appli. Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	67 F	67 F	64 F
<b>% Relative Humidity:</b>	69	69	69
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	67 F	67 F	69 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	20	20	20

**CROP STAGE AT EACH APPLICATION**

	A	B	C
--	---	---	---

<b>Crop 1 Code, Stage:</b>	ZEAMX PRE	ZEAMX MP	ZEAMX IFN
<b>Height, Unit:</b>		8 IN	8 IN

**WEED STAGE AT EACH APPLICATION**

	A	B	C
--	---	---	---

<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA MP	SETFA IFN
<b>Stage Scale:</b>		3LF	3LF
<b>Density, Unit:</b>		4 IN	4 IN
<b>Weed 2 Code, Stage:</b>	AMACH PRE	AMACH MP	AMACH IFN
<b>Stage Scale:</b>		4LF	4LF
<b>Density, Unit:</b>		3 IN	3 IN

09-18-01 (C1004)

Site Description Page 3 of 3

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

NO-TILL CORN STALKLAND

Trial ID: C1004                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

APPLICATION EQUIPMENT					
	A	B	C		
Appl. Equipment:	ATV	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30		
Nozzle Type:	FLAT	FAN	FLAT	FAN	FLAT FAN
Nozzle Size:	8004	DG	8004	DG	8004 DG
Nozzle Spacing, Unit:	20	IN	20	IN	20 IN
Boom Length, Unit:	5	FT	5	FT	5 FT
Boom Height, Unit:	19	IN	20	IN	20 IN
Ground Speed, Unit:	4	MPH	3.5	MPH	3.5 MPH
Carrier:	WATER			WATER	
Spray Volume, Unit:	24	GPA		24	GPA
Propellant:	CO2			CO2	

09-18-01 (C1007)

AOV Means Table Page 1 of 4

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

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMACH	IPOSS	SETFA	ABUTH	AMACH	IPOSS
Crop Code	ZEAMX				ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK	4 WEEK				
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	95	92	95	92	0	90	87	90	88
1 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	95	92	95	92	0	90	87	90	88
1 AMS	100 SG		2 8	W/W	2WK										
1 LIGHTNING	70 DG	0.056	LB A/A	MP											
1 AATREX	4 F		1 LB	A/A	MP										
1 COC	L		1 QT/A	MP											
1 LIQUID N	L		1 QT/A	MP											
2 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	2WK		0	95	92	95	93	0	88	88	92	90
2 CLARITY	4 E	0.125	LB A/A	2WK											
2 AMS	100 SG		2 8	W/W	2WK										
2 LIGHTNING	70 DG	0.056	LB A/A	MP											
2 AATREX	4 F		1 LB	A/A	MP										
2 COC	L		1 QT/A	MP											
2 LIQUID N	L		1 QT/A	MP											
3 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	92	93	95	92	0	85	88	92	87
3 CLARITY	4 E	0.25	LB A/A	2WK											
3 AMS	100 SG		2 8	W/W	2WK										
3 LIGHTNING	70 DG	0.056	LB A/A	MP											
3 AATREX	4 F		1 LB	A/A	MP										
3 COC	L		1 QT/A	MP											
3 LIQUID N	L		1 QT/A	MP											
4 GRAMOXONE MAX	3 AS	0.625	LB A/A	2WK		0	92	92	93	90	0	87	88	88	83
4 SPREADER HF		0.25	8	V/V	2WK										
4 LIGHTNING	70 DG	0.056	LB A/A	MP											
4 AATREX	4 F		1 LB	A/A	MP										
4 COC	L		1 QT/A	MP											
4 LIQUID N	L		1 QT/A	MP											
5 GRAMOXONE MAX	3 AS	0.47	LB A/A	2WK		0	95	93	95	93	0	88	90	93	90
5 CLARITY	4 E	0.25	LB A/A	2WK											
5 SPREADER HF		0.25	8	V/V	2WK										
5 LIGHTNING	70 DG	0.056	LB A/A	MP											
5 AATREX	4 F		1 LB	A/A	MP										
5 COC	L		1 QT/A	MP											
5 LIQUID N	L		1 QT/A	MP											

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

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMACH	IPOSS	SETFA	ABUTH	AMACH	IPOSS
Crop Code	ZEAMX	ZEAMX			ZEAMX	ZEAMX		
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	93	92	95	93	0	88	92	92	90
6 GRAMOXONE MAX	3 AS	0.625	LB A/A	2WK		0	93	92	95	93	0	88	92	92	90
6 CLARITY	4 E	0.25	LB A/A	2WK											
6 SPREADER HF		0.25	% V/V	2WK											
6 LIGHTNING	70 DG	0.056	LB A/A	MP											
6 AATREX	4 F	1	LB A/A	MP											
6 COC	L	1	QT/A	MP											
6 LIQUID N	L	1	QT/A	MP											
7 POAST	1.53 EC	0.375	LB A/A	2WK		0	95	95	95	93	0	88	90	95	88
7 WEEDMASTER	3.87 SL	1.93	LB A/A	2WK											
7 COC	L	1	QT/A	2WK											
7 LIGHTNING	70 DG	0.056	LB A/A	MP											
7 AATREX	4 F	1	LB A/A	MP											
7 COC	L	1	QT/A	MP											
7 LIQUID N	L	1	QT/A	MP											
8 GUARDSMAN MAX	5 E	2.5	LB A/A	2WK		0	95	95	95	93	0	90	93	90	90
8 GRAMOXONE MAX	3 AS	0.625	LB A/A	2WK											
8 SPREADER HF		0.25	% V/V	2WK											
8 LIGHTNING	70 DG	0.056	LB A/A	MP											
8 COC	L	1	QT/A	MP											
8 LIQUID N	L	1	QT/A	MP											
9 EPIC	58 DF	0.4	LB A/A	1WK		0	93	88	90	87	0	88	87	87	83
9 AATREX	4 F	1.5	LB A/A	1WK											
9 WEE DONE LV4	3.8 E	0.5	LB A/A	1WK											
9 COC	L	1	QT/A	1WK											
10 EPIC	58 DF	0.29	LB A/A	1WK		0	92	87	88	87	0	85	83	83	82
10 DEFINE	60 DF	0.34	LB A/A	1WK											
10 AATREX	4 F	1.5	LB A/A	1WK											
10 WEE DONE LV4	3.8 E	0.5	LB A/A	1WK											
10 COC	L	1	QT/A	1WK											

09-18-01 (C1007)

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

AOV Means Table Page 3 of 4

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

		SETFA	ABUTH	AMACH	IPOSS		SETFA	ABUTH	AMACH	IPOSS
	ZEAMX					ZEAMX				
	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	PERCENT									
	2 WEEK	4 WEEK								
	P	P	P	P	P	P	P	P	P	P
	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	95	92	95	92	0	87	90	90	90
11 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	95	92	95	92	0	87	90	90	90
11 AMS	100 SG		2 %	W/W	PRE										
11 LIGHTNING	70 DG	0.056	LB	A/A	MP										
11 AATREX	4 F		1 LB	A/A	MP										
11 COC	L		1 QT/A		MP										
11 LIQUID N	L		1 QT/A		MP										
12 ROUNDUP ULTRAMAX	5 SL	0.75	LB	A/A	PRE	0	95	93	95	93	0	90	88	90	88
12 CLARITY	4 E	0.125	LB	A/A	PRE										
12 AMS	100 SG		2 %	W/W	PRE										
12 LIGHTNING	70 DG	0.056	LB	A/A	MP										
12 AATREX	4 F		1 LB	A/A	MP										
12 COC	L		1 QT/A		MP										
12 LIQUID N	L		1 QT/A		MP										
13 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	95	95	93	93	0	90	93	88	90
13 CLARITY	4 E	0.25	LB	A/A	PRE										
13 AMS	100 SG		2 %	W/W	PRE										
13 LIGHTNING	70 DG	0.056	LB	A/A	MP										
13 AATREX	4 F		1 LB	A/A	MP										
13 COC	L		1 QT/A		MP										
13 LIQUID N	L		1 QT/A		MP										
14 GRAMOXONE MAX	3 AS	0.625	LB	A/A	PRE	0	95	92	95	92	0	88	92	90	90
14 SPREADER HF		0.25	%	V/V	PRE										
14 LIGHTNING	70 DG	0.056	LB	A/A	MP										
14 AATREX	4 F		1 LB	A/A	MP										
14 COC	L		1 QT/A		MP										
14 LIQUID N	L		1 QT/A		MP										
15 GRAMOXONE MAX	3 AS	0.47	LB	A/A	PRE	0	95	92	95	93	0	85	90	95	92
15 CLARITY	4 E	0.25	LB	A/A	PRE										
15 SPREADER HF		0.25	%	V/V	PRE										
15 LIGHTNING	70 DG	0.056	LB	A/A	MP										
15 AATREX	4 F		1 LB	A/A	MP										
15 COC	L		1 QT/A		MP										
15 LIQUID N	L		1 QT/A		MP										

09-18-01 (C1007)

AOV Means Table Page 4 of 4

Dept. of Agronomy, Univ. of Ky  
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## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	ABUTH	AMACH	IPOSS	SETFA	ABUTH	AMACH	IPOSS	
							ZEAMX	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	
		PERCENT	PERCENT	PERCENT	PERCENT										
		2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	P	P	P	P	P	P	P	P	
		0	0	0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg										
16 GRAMOXONE MAX	3 AS	0.625	LB A/A	PRE		0	95	93	95	93	0	90	92	88	90
16 CLARITY	4 E	0.25	LB A/A	PRE											
16 SPREADER HF		0.25	% V/V	PRE											
16 LIGHTNING	70 DG	0.056	LB A/A	MP											
16 AATREX	4 F	1	LB A/A	MP											
16 COC	L	1	QT/A	MP											
16 LIQUID N	L	1	QT/A	MP											
17 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	PRE		0	95	95	95	93	0	88	90	92	90
17 DISTINCT	70 WG	0.175	LB A/A	PRE											
17 SPREADER HF		0.25	% V/V	PRE											
17 LIGHTNING	70 DG	0.056	LB A/A	MP											
17 AATREX	4 F	1	LB A/A	MP											
17 COC	L	1	QT/A	MP											
17 LIQUID N	L	1	QT/A	MP											
18 GRAMOXONE MAX	3 AS	0.625	LB A/A	PRE		0	93	95	95	95	0	87	90	92	92
18 DISTINCT	70 WG	0.175	LB A/A	PRE											
18 SPREADER HF		0.25	% V/V	PRE											
18 LIGHTNING	70 DG	0.056	LB A/A	MP											
18 AATREX	4 F	1	LB A/A	MP											
18 COC	L	1	QT/A	MP											
18 LIQUID N	L	1	QT/A	MP											
19 AIM	40 DF	0.008	LB A/A	PRE		0	87	75	77	73	0	85	73	75	73
19 WEEDONE LV4	3.8 E	0.475	LB A/A	PRE											
19 BICEP II MAGNUM	5.5 L	2.88	LB A/A	PRE											
19 COC	L	1	QT/A	PRE											
20 AIM	40 DF	0.008	LB A/A	PRE		0	90	80	77	75	0	90	78	73	77
20 WEEDONE LV4	3.8 E	0.475	LB A/A	PRE											
20 DEGREE XTRA	4.04 CS	3.03	LB A/A	PRE											
20 COC	L	1	QT/A	PRE											
LSD (P=.05)		0.0	3.8	5.8	6.2	7.2	0.0	6.5	6.9	7.6	8.2				
Standard Deviation		0.0	2.3	3.5	3.7	4.4	0.0	3.9	4.2	4.6	5.0				
CV		0.0	2.46	3.84	4.05	4.82	0.0	4.47	4.77	5.18	5.73				

09-18-01 (C1007)

AOV Means Table Page 1 of 4

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

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMACH	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK	0	88	87	90	78
1 AMS	100 SG	2 %	W/W	2WK					
1 LIGHTNING	70 DG	0.056	LB	A/A MP					
1 AATREX	4 F	1 LB	A/A	MP					
1 COC	L	1 QT/A		MP					
1 LIQUID N	L	1 QT/A		MP					
2 ROUNDUP ULTRAMAX	5 SL	0.75	LB	A/A	2WK	0	87	88	92
2 CLARITY	4 E	0.125	LB	A/A	2WK				
2 AMS	100 SG	2 %	W/W	2WK					
2 LIGHTNING	70 DG	0.056	LB	A/A MP					
2 AATREX	4 F	1 LB	A/A	MP					
2 COC	L	1 QT/A		MP					
2 LIQUID N	L	1 QT/A		MP					
3 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK	0	83	88	92	82
3 CLARITY	4 E	0.25	LB	A/A	2WK				
3 AMS	100 SG	2 %	W/W	2WK					
3 LIGHTNING	70 DG	0.056	LB	A/A MP					
3 AATREX	4 F	1 LB	A/A	MP					
3 COC	L	1 QT/A		MP					
3 LIQUID N	L	1 QT/A		MP					
4 GRAMOXONE MAX	3 AS	0.625	LB	A/A	2WK	0	85	88	78
4 SPREADER HF		0.25	%	V/V	2WK				
4 LIGHTNING	70 DG	0.056	LB	A/A	MP				
4 AATREX	4 F	1 LB	A/A	MP					
4 COC	L	1 QT/A		MP					
4 LIQUID N	L	1 QT/A		MP					
5 GRAMOXONE MAX	3 AS	0.47	LB	A/A	2WK	0	87	90	93
5 CLARITY	4 E	0.25	LB	A/A	2WK				
5 SPREADER HF		0.25	%	V/V	2WK				
5 LIGHTNING	70 DG	0.056	LB	A/A	MP				
5 AATREX	4 F	1 LB	A/A	MP					
5 COC	L	1 QT/A		MP					
5 LIQUID N	L	1 QT/A		MP					

Dept. of Agronomy, Univ. of Ky  
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## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMACH	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
6 GRAMOXONE MAX	3 AS	0.625 LB	A/A	2WK	0	87	92	92	82
6 CLARITY	4 E	0.25 LB	A/A	2WK					
6 SPREADER HF		0.25	% V/V	2WK					
6 LIGHTNING	70 DG	0.056 LB	A/A	MP					
6 AATREX	4 F	1 LB	A/A	MP					
6 COC	L	1 QT/A	MP						
6 LIQUID N	L	1 QT/A	MP						
7 POAST	1.53 EC	0.375 LB	A/A	2WK	0	87	90	95	85
7 WEEDMASTER	3.87 SL	1.93 LB	A/A	2WK					
7 COC	L	1 QT/A	2WK						
7 LIGHTNING	70 DG	0.056 LB	A/A	MP					
7 AATREX	4 F	1 LB	A/A	MP					
7 COC	L	1 QT/A	MP						
7 LIQUID N	L	1 QT/A	MP						
8 GUARDSMAN MAX	5 E	2.5 LB	A/A	2WK	0	88	93	90	78
8 GRAMOXONE MAX	3 AS	0.625 LB	A/A	2WK					
8 SPREADER HF		0.25	% V/V	2WK					
8 LIGHTNING	70 DG	0.056 LB	A/A	MP					
8 COC	L	1 QT/A	MP						
8 LIQUID N	L	1 QT/A	MP						
9 EPIC	58 DF	0.4 LB	A/A	1WK	0	88	87	87	75
9 AATREX	4 F	1.5 LB	A/A	1WK					
9 WEE DONE LV4	3.8 E	0.5 LB	A/A	1WK					
9 COC	L	1 QT/A	1WK						
10 EPIC	58 DF	0.29 LB	A/A	1WK	0	83	80	83	78
10 DEFINE	60 DF	0.34 LB	A/A	1WK					
10 AATREX	4 F	1.5 LB	A/A	1WK					
10 WEE DONE LV4	3.8 E	0.5 LB	A/A	1WK					
10 COC	L	1 QT/A	1WK						

09-18-01 (C1007)

AOV Means Table Page 3 of 4

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

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMACH	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	87	90	90	82
11 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	87	90	90	82
11 AMS	100 SG	2 %	W/W	PRE						
11 LIGHTNING	70 DG	0.056	LB	A/A	MP					
11 AATREX	4 F	1	LB	A/A	MP					
11 COC	L	1	QT/A		MP					
11 LIQUID N	L	1	QT/A		MP					
12 ROUNDUP ULTRAMAX	5 SL	0.75	LB	A/A	PRE	0	88	88	90	80
12 CLARITY	4 E	0.125	LB	A/A	PRE					
12 AMS	100 SG	2 %	W/W	PRE						
12 LIGHTNING	70 DG	0.056	LB	A/A	MP					
12 AATREX	4 F	1	LB	A/A	MP					
12 COC	L	1	QT/A		MP					
12 LIQUID N	L	1	QT/A		MP					
13 ROUNDUP ULTRAMAX	5 SL	1	LB	A/A	PRE	0	88	93	88	83
13 CLARITY	4 E	0.25	LB	A/A	PRE					
13 AMS	100 SG	2 %	W/W	PRE						
13 LIGHTNING	70 DG	0.056	LB	A/A	MP					
13 AATREX	4 F	1	LB	A/A	MP					
13 COC	L	1	QT/A		MP					
13 LIQUID N	L	1	QT/A		MP					
14 GRAMOXONE MAX	3 AS	0.625	LB	A/A	PRE	0	87	92	90	82
14 SPREADER HF		0.25	%	V/V	PRE					
14 LIGHTNING	70 DG	0.056	LB	A/A	MP					
14 AATREX	4 F	1	LB	A/A	MP					
14 COC	L	1	QT/A		MP					
14 LIQUID N	L	1	QT/A		MP					
15 GRAMOXONE MAX	3 AS	0.47	LB	A/A	PRE	0	85	90	95	80
15 CLARITY	4 E	0.25	LB	A/A	PRE					
15 SPREADER HF		0.25	%	V/V	PRE					
15 LIGHTNING	70 DG	0.056	LB	A/A	MP					
15 AATREX	4 F	1	LB	A/A	MP					
15 COC	L	1	QT/A		MP					
15 LIQUID N	L	1	QT/A		MP					

09-18-01 (C1007)

AOV Means Table Page 4 of 4

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

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMACH	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	ABUTH	AMACH	IPOSS
16 GRAMOXONE MAX	3 AS	0.625	LB A/A	PRE	0	88	92	88	80
16 CLARITY	4 E	0.25	LB A/A	PRE					
16 SPREADER HF		0.25	% V/V	PRE					
16 LIGHTNING	70 DG	0.056	LB A/A	MP					
16 AATREX	4 F	1	LB A/A	MP					
16 COC	L	1	QT/A	MP					
16 LIQUID N	L	1	QT/A	MP					
17 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	PRE	0	87	90	92	82
17 DISTINCT	70 WG	0.175	LB A/A	PRE					
17 SPREADER HF		0.25	% V/V	PRE					
17 LIGHTNING	70 DG	0.056	LB A/A	MP					
17 AATREX	4 F	1	LB A/A	MP					
17 COC	L	1	QT/A	MP					
17 LIQUID N	L	1	QT/A	MP					
18 GRAMOXONE MAX	3 AS	0.625	LB A/A	PRE	0	87	90	92	80
18 DISTINCT	70 WG	0.175	LB A/A	PRE					
18 SPREADER HF		0.25	% V/V	PRE					
18 LIGHTNING	70 DG	0.056	LB A/A	MP					
18 AATREX	4 F	1	LB A/A	MP					
18 COC	L	1	QT/A	MP					
18 LIQUID N	L	1	QT/A	MP					
19 AIM	40 DF	0.008	LB A/A	PRE	0	83	73	75	72
19 WEEDONE LV4	3.8 E	0.475	LB A/A	PRE					
19 BICEP II MAGNUM	5.5 L	2.88	LB A/A	PRE					
19 COC	L	1	QT/A	PRE					
20 AIM	40 DF	0.008	LB A/A	PRE	0	88	78	73	75
20 WEEDONE LV4	3.8 E	0.475	LB A/A	PRE					
20 DEGREE XTRA	4.04 CS	3.03	LB A/A	PRE					
20 COC	L	1	QT/A	PRE					
LSD (P=.05)					0.0	6.6	6.6	7.6	6.6
Standard Deviation					0.0	4.0	4.0	4.6	4.0
CV					0.0	4.62	4.51	5.18	5.01

09-18-01 (C1007)

Site Description Page 1 of 3

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 04-30-01  
Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: ZEAMX CORN, FIELD

Variety: GARST 8541IT

Planting Date: 05-03-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: ROUGH/TRASHY

Soil Temperature: 63 F

Soil Moisture: NORMAL

Emergence Date: 05-10-01

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3

Site Type: FIELD

Study Design: RANDOMIZED COMPLETE BLOCK

Tillage Type: NO-TILL

SOIL DESCRIPTION

% Sand: 6	% OM: 2.7	Texture: SILT LOAM
% Silt: 64	pH: 6.5	Soil Name: MAURY
% Clay: 30	CEC: 17	Fert. Level: EXCELLENT

09-18-01 (C1007)

Site Description Page 2 of 3

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: ADEQUATE

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

	APPLICATION DESCRIPTION			
	A	B	C	D
<b>Application Date:</b>	04-30-01	04-30-01	05-03-01	05-30-01
<b>Time of Day:</b>	10:00	2:00	11:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	2 WK	1 WK	PRE	MP
<b>Applic. Placement:</b>	BROSOI	BROSOI	BROSOI	BROFOL
<b>Air Temp., Unit:</b>	63 F	63 F	70 F	64 F
<b>% Relative Humidity:</b>	57	57	64	69
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	5 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	60 F	60 F	64 F	69 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	10	15	15

CROP STAGE AT EACH APPLICATION				
	A	B	C	D
<b>Crop 1 Code, Stage:</b>	ZEAMX 2WK	ZEAMX 1WK	ZEAMX PRE	ZEAMX MP
<b>Height, Unit:</b>			8 IN	

WEED STAGE AT EACH APPLICATION				
	A	B	C	D
<b>Weed 1 Code, Stage:</b>	SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA MP
<b>Stage Scale:</b>			2LF	
<b>Density, Unit:</b>			2 IN	
<b>Weed 2 Code, Stage:</b>	ABUTH 2WK	ABUTH 1WK	ABUTH PRE	ABUTH MP
<b>Stage Scale:</b>			4LF	
<b>Density, Unit:</b>			4 IN	
<b>Weed 3 Code, Stage:</b>	AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR MP
<b>Stage Scale:</b>			4LF	
<b>Density, Unit:</b>			3 IN	
<b>Weed 4 Code, Stage:</b>	IPOSS 2WK	IPOSS 1WK	IPOSS PRE	IPOSS MP
<b>Stage Scale:</b>			4LF	
<b>Density, Unit:</b>			2 IN	

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

## NO-TILL CORN EARLY PREPLANT

Trial ID: C1007 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	ATV	ATV	ATV	BACKPACK
Operating Pressure:	30	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT	5 FT
Boom Height, Unit:	20 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2		

09-20-01 (S1011)

AOV Means Table Page 1 of 3

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

## SOYBEAN PREEMERGENCE

Trial ID: S1011

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.			SETFA	CHEAL	AMBTR	IPOSS	SETFA	CHEAL	AMBTR	IPOSS		
			GLXMA	GLXMA	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
			PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
			2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK		
P			0	0	0	0	0	0	0	0		
0			0	0	0	0	0	0	0	0		
Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg							
1 GAUNTLET												
1 FIRSTRATE	84 W	0.031	LB A/A	PRE		0	95	88	85	85		
1 AUTHORITY	75 DF	0.248	LB A/A	PRE								
1 SELECT	2 EC	0.125	LB A/A	MP								
1 COC	L	1 QT/A	MP									
2 GAUNTLET												
2 FIRSTRATE	84 W	0.031	LB A/A	PRE		0	95	95	95	93		
2 AUTHORITY	75 DF	0.248	LB A/A	PRE								
2 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP								
3 GAUNTLET												
3 FIRSTRATE	84 W	0.031	LB A/A	PRE		0	95	95	93	92		
3 AUTHORITY	75 DF	0.248	LB A/A	PRE								
3 ROUNDUP ULTRAMAX	5 SL	1 LB	LB A/A	MP								
4 COMMAND XTRA												
4 COMMAND	3 ME	0.6	LB A/A	PRE		0	93	78	53	67		
4 AUTHORITY	75 DF	0.3	LB A/A	PRE								
4 SELECT	2 EC	0.125	LB A/A	MP								
4 COC	L	1 QT/A	MP									
5 CANOPY XL												
5 AUTHORITY	75 DF	0.21	LB A/A	PRE		0	95	90	88	83		
5 CLASSIC	25 DF	0.04	LB A/A	PRE								
5 ASSURE II	0.8 EC	0.055	LB A/A	MP								
5 COC	L	1 QT/A	MP									
6 STEEL	2.57 EC	0.97	LB A/A	PRE		0	95	95	95	90		
6 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP								
7 DOMAIN	60 DF	0.375	LB A/A	PRE		0	95	93	93	88		
7 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP								
8 BOUNDARY	7.8 EC	1.22	LB A/A	PRE		0	95	92	93	88		
8 TOUCHDOWN IQ	4 SL	1	LB A/A	MP								
9 SQUADRON	2.33 EC	0.87	LB A/A	PRE		0	95	93	90	88		
9 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP								

09-20-01 (S1011)

AOV Means Table Page 2 of 3

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

## SOYBEAN PREEMERGNECE

Trial ID: S1011 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	GLXMA	SETFA	CHEAL	AMBTR	IPOSS	GLXMA	SETFA	CHEAL	AMBTR	IPOSS
		INJURY	CONTROL	CONTROL	CONTROL		INJURY	CONTROL	CONTROL	CONTROL
		PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT
		2 WEEK	2 WEEK	2 WEEK	2 WEEK		4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P	P	P	P	P	P	P
0	0	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	Form Form Conc Type	Rate	Grow							
		Unit	Stg							
10 PYTHON	80 WG	0.063 LB	A/A	PRE	0	27	63	62	45	0
11 PYTHON	80 WG	0.063 LB	A/A	PRE	0	28	95	95	95	0
11 FIRSTRATE	84 W	0.016 LB	A/A	MP						
11 COC	L	1 QT/A	MP							
12 PYTHON	80 WG	0.063 LB	A/A	PRE	10	95	95	95	93	5
12 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP						
13 PYTHON	80 WG	0.063 LB	A/A	PRE	0	92	93	95	88	0
13 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP						
14 STRONGARM	82.2 WG	0.024 LB	A/A	PRE	3	52	93	93	88	2
15 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	MP	0	95	93	92	88	2
15 AMS	100 SG	2 %	W/W	MP						
16 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	MP	0	93	92	93	88	0
16 AMS	100 SG	2 %	W/W	MP						
16 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	MP	0	93	92	93	88	0
16 AMS	100 SG	2 %	W/W	MP						
17 TOUCHDOWN IQ	4 SL	1 LB	A/A	MP	0	95	90	90	88	0
17 AMS	100 SG	2 %	W/W	MP						
18 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	MP	0	93	92	92	87	0
18 AMS	100 SG	2 %	W/W	MP						
18 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	MP	0	93	92	92	91	0
18 AMS	100 SG	2 %	W/W	MP						
19 GLYPHOMAX PLUS	4 SL	1 LB	A/A	MP	0	93	92	92	90	0
19 AMS	100 SG	2 %	W/W	MP						
20 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP	0	92	88	92	88	0
20 AMS	100 SG	2 %	W/W	MP						
20 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP	0	92	88	92	90	0
20 AMS	100 SG	2 %	W/W	MP						

09-20-01 (S1011)

AOV Means Table Page 3 of 3

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

## SOYBEAN PREEMERGENCE

Trial ID: S1011                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	IPOSS	GLXMA	SETFA	CHEAL	AMBTR	IPOSS
Crop Code					GLXMA				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK				
ARM Action Codes	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	GLXMA	SETFA	CHEAL	AMBTR	IPOSS
-------------------	------	-----------	-----------	-----------	-----------	-----	-------	-------	-------	-------	-------

LSD (P=.05)	2.1	14.8	13.7	18.3	17.6	2.4	21.2	13.7	18.3	17.4
Standard Deviation	1.3	9.0	8.3	11.1	10.6	1.5	12.9	8.3	11.1	10.6
CV	193.65	10.51	9.21	12.44	12.41	353.63	16.27	9.21	13.06	12.61

09-20-01 (S1011)

AOV Means Table Page 1 of 3

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

## SOYBEAN PREEMERGENCE

Trial ID: S1011

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	CHEAL	AMBTR	IPOSS
GLXMA				
INJURY	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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 GAUNTLET									
1 FIRSTRATE	84 W	0.031	LB A/A	PRE		0	90	77	57
1 AUTHORITY	75 DF	0.248	LB A/A	PRE					
1 SELECT	2 EC	0.125	LB A/A	MP					
1 COC	L	1 QT/A		MP					
2 GAUNTLET									
2 FIRSTRATE	84 W	0.031	LB A/A	PRE		0	90	92	85
2 AUTHORITY	75 DF	0.248	LB A/A	PRE					
2 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP					
3 GAUNTLET									
3 FIRSTRATE	84 W	0.031	LB A/A	PRE		0	90	92	83
3 AUTHORITY	75 DF	0.248	LB A/A	PRE					
3 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	MP					
4 COMMAND XTRA									
4 COMMAND	3 ME	0.6	LB A/A	PRE		0	88	58	50
4 AUTHORITY	75 DF	0.3	LB A/A	PRE					
4 SELECT	2 EC	0.125	LB A/A	MP					
4 COC	L	1 QT/A		MP					
5 CANOPY XL									
5 AUTHORITY	75 DF	0.21	LB A/A	PRE		0	78	80	65
5 CLASSIC	25 DF	0.04	LB A/A	PRE					
5 ASSURE II	0.8 EC	0.055	LB A/A	MP					
5 COC	L	1 QT/A		MP					
6 STEEL	2.57 EC	0.97	LB A/A	PRE		0	83	85	82
6 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP					
7 DOMAIN	60 DF	0.375	LB A/A	PRE		0	83	82	78
7 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP					
8 BOUNDARY	7.8 EC	1.22	LB A/A	PRE		0	87	85	80
8 TOUCHDOWN IQ	4 SL	1 LB	A/A	MP					
9 SQUADRON	2.33 EC	0.87	LB A/A	PRE		0	90	83	82
9 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	MP					

09-20-01 (S1011)

AOV Means Table Page 2 of 3

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

## SOYBEAN PREEMERGENCE

Trial ID: S1011 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	CHEAL	AMBTR	IPOSS
10 PYTHON	80 WG	0.063 LB	A/A	PRE	0	10	70	65	40
11 PYTHON	80 WG	0.063 LB	A/A	PRE	0	15	80	67	63
11 FIRSTRATE	84 W	0.016 LB	A/A	MP					
11 COC	L	1 QT/A		MP					
12 PYTHON	80 WG	0.063 LB	A/A	PRE	0	85	83	73	67
12 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP					
13 PYTHON	80 WG	0.063 LB	A/A	PRE	0	83	85	80	63
13 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP					
14 STRONGARM	82.2 WG	0.024 LB	A/A	PRE	0	63	73	70	57
15 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	MP	0	87	85	80	60
15 AMS	100 SG	2 %	W/W	MP					
16 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	MP	0	90	85	90	78
16 AMS	100 SG	2 %	W/W	MP					
16 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	MP	0	90	85	90	78
16 AMS	100 SG	2 %	W/W	MP					
17 TOUCHDOWN IQ	4 SL	1 LB	A/A	MP	0	85	78	75	57
17 AMS	100 SG	2 %	W/W	MP					
18 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	MP	0	83	85	90	73
18 AMS	100 SG	2 %	W/W	MP					
18 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	MP	0	83	85	90	73
18 AMS	100 SG	2 %	W/W	MP					
19 GLYPHOMAX PLUS	4 SL	1 LB	A/A	MP	0	90	78	75	58
19 AMS	100 SG	2 %	W/W	MP					
20 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP	0	90	80	90	75
20 AMS	100 SG	2 %	W/W	MP					
20 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	MP	0	90	80	90	75
20 AMS	100 SG	2 %	W/W	MP					

09-20-01 (S1011)

AOV Means Table Page 3 of 3

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

## SOYBEAN PREEMERGENCE

Trial ID: S1011                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg		
LSD (P=.05)			0.0	5.9	3.5	4.2	6.5
Standard Deviation			0.0	3.6	2.2	2.6	3.9
CV			0.0	4.57	2.66	3.39	6.03

09-20-01 (S1011)

Site Description Page 1 of 3

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

SOYBEAN PREEMERGENCE

Trial ID: S1011 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 05-07-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

**Crop 1:** GLXMA SOYBEAN                   **Variety:** AG4702

**Planting Date:** 05-07-01                   **Planting Method:** ROW

**Rate:** 190000 S/A                   **Depth:** 1.25 IN

**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM

**Soil Temperature:** 67 F                   **Soil Moisture:** NORMAL                   **Emergence Date:** 05-13-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                   **Plot Length, Unit:** 44 FT                   **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

% Sand:	5	% OM:	2.8	<b>Texture:</b>	SILT LOAM
% Silt:	63	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	32	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

09-20-01 (S1011)

Site Description Page 2 of 3

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

## SOYBEAN PREEMERGENCE

Trial ID: S1011 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION DESCRIPTION**

	<b>A</b>	<b>B</b>	<b>C</b>
--	----------	----------	----------

Application Date:	05-07-01	05-29-01	06-29-01
Time of Day:	10:00	11:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	REG
Appl. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	66 F	63 F	74 F
% Relative Humidity:	83	68	
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	67 F	69 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20

**CROP STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>
--	----------	----------	----------

Crop 1 Code, Stage:	GLXMA PRE	GLXMA MP	GLXMA REG
Height, Unit:		3 IN	12 IN

**WEED STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>
--	----------	----------	----------

Weed 1 Code, Stage:	SETFA PRE	SETFA MP	SETFA REG
Stage Scale:		4LF	3LF
Density, Unit:		4 IN	3 IN
Weed 2 Code, Stage:	CHEAL PRE	CHEAL MP	CHEAL REG
Stage Scale:		6LF	4LF
Density, Unit:		4 IN	2 IN
Weed 3 Code, Stage:	AMBTR PRE	AMBTR MP	AMBTR REG
Stage Scale:		4LF	3LF
Density, Unit:		4 IN	3 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS MP	IPOSS REG
Stage Scale:		4LF	3LF
Density, Unit:		3 IN	2 IN

09-20-01 (S1011)

Site Description Page 3 of 3

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

SOYBEAN PREEMERGENCE

Trial ID: S1011                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.         Investigator: Charles Slack

APPLICATION EQUIPMENT					
	A	B	C		
Appl. Equipment:	ATV	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004 DG	8004 DG	8004 DG		
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN		
Boom Length, Unit:	5 FT	5 FT	5 FT		
Boom Height, Unit:	19 IN	20 IN	20 IN		
Ground Speed, Unit:	4 MPH	3.5 MPH	3.5 MPH		
Carrier:	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2		

09-20-01 (S1012)

AOV Means Table Page 1 of 2

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

## SOYBEAN PREEMERGENCE II

Trial ID: S1012

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form No. Name	Form Conc	Type	Rate	Unit	Grow Stg	SETFA	IPOSS	DATST	SETFA	IPOSS	DATST	SETFA	IPOSS	DATST
							GLXMA			GLXMA			GLXMA		
							INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
							2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK
							P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0
1 VALOR	50 WG	0.063	LB A/A	PRE			0	100	82	87	0	100	80	87	0
1 SELECT	2 EC	0.125	LB A/A	MP											93
1 COC	L		1 QT/A	MP											82
															63
2 SENCOR 4 FL	4 F	0.375	LB A/A	PRE			0	100	63	73	0	100	57	72	0
2 SELECT	2 EC	0.125	LB A/A	MP											95
2 COC	L		1 QT/A	MP											63
															73
3 VALOR	50 WG	0.063	LB A/A	PRE			0	100	87	87	0	100	85	83	0
3 SENCOR 4 FL	4 F	0.375	LB A/A	PRE											95
3 SELECT	2 EC	0.125	LB A/A	MP											87
3 COC	L		1 QT/A	MP											85
4 FIRSTRATE	84 W	0.031	LB A/A	PRE			0	100	87	90	0	100	85	88	0
4 SELECT	2 EC	0.125	LB A/A	MP											95
4 COC	L		1 QT/A	MP											87
															88
5 VALOR	50 WG	0.063	LB A/A	PRE			0	100	93	98	0	100	90	95	0
5 FIRSTRATE	84 W	0.031	LB A/A	PRE											95
5 SELECT	2 EC	0.125	LB A/A	MP											93
5 COC	L		1 QT/A	MP											95
6 SQUADRON	2.33 EC	0.87	LB A/A	PRE			0	100	87	93	0	100	85	92	0
6 SELECT	2 EC	0.125	LB A/A	MP											95
6 COC	L		1 QT/A	MP											87
															93
7 VALOR	50 WG	0.063	LB A/A	PRE			0	100	92	98	0	100	90	95	0
7 SQUADRON	2.33 EC	0.87	LB A/A	PRE											95
7 SELECT	2 EC	0.125	LB A/A	MP											92
7 COC	L		1 QT/A	MP											92
8 PYTHON	80 WG	0.057	LB A/A	PRE			0	100	62	78	0	100	58	73	0
8 SELECT	2 EC	0.125	LB A/A	MP											95
8 COC	L		1 QT/A	MP											62
															78
9 VALOR	50 WG	0.063	LB A/A	PRE			0	100	88	95	0	98	87	93	0
9 PYTHON	80 WG	0.057	LB A/A	PRE											95
9 SELECT	2 EC	0.125	LB A/A	MP											88
9 COC	L		1 QT/A	MP											93

09-20-01 (S1012)

AOV Means Table Page 2 of 2

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

## SOYBEAN PREEMERGENCE II

Trial ID: S1012

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form Conc Form Type Rate Unit	Grow Stg	SETFA			IPOSS			DATST			SETFA			IPOSS			DATST			SETFA			IPOSS			DATST					
			GLXMA			INJURY			CONTROL			CONTROL			GLXMA			INJURY			CONTROL			GLXMA			INJURY			CONTROL		
			2 WEEK			2 WEEK			2 WEEK			4 WEEK			4 WEEK			4 WEEK			8 WEEK			8 WEEK			8 WEEK					
			P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10 CANOPY XL																																
10 AUTHORITY	75 DF	0.123 LB A/A PRE				0	100	83	88	0	100	82	87	0	95	83	88															
10 CLASSIC	25 DF	0.025 LB A/A PRE																														
10 SELECT	2 EC	0.125 LB A/A MP																														
10 COC	L	1 QT/A MP																														
11 ROUNDUP ULTRAMAX	5 SL	1 LB A/A MP				0	100	90	93	0	100	88	90	0	95	90	93															
11 AMS	100 SG	2 % W/W MP																														
12 ROUNDUP ULTRAMAX	5 SL	0.75 LB A/A MP				0	100	87	95	0	100	83	92	0	95	92	95															
12 AMS	100 SG	2 % W/W MP																														
12 ROUNDUP ULTRAMAX	5 SL	0.75 LB A/A REG																														
12 AMS	100 SG	2 % W/W REG																														
13 TOUCHDOWN IQ	4 SL	1 LB A/A MP				0	100	93	98	0	100	88	95	0	95	93	95															
13 AMS	100 SG	2 % W/W MP																														
14 TOUCHDOWN IQ	4 SL	0.75 LB A/A MP				0	100	93	97	0	100	90	93	0	95	93	95															
14 AMS	100 SG	2 % W/W REG																														
14 TOUCHDOWN IQ	4 SL	0.75 LB A/A REG																														
14 AMS	100 SG	2 % W/W MP																														
15 GLYPHOMAX PLUS	4 SL	1 LB A/A MP				0	100	92	100	0	100	88	95	0	95	92	95															
15 AMS	100 SG	2 % W/W MP																														
16 GLYPHOMAX PLUS	4 SL	0.75 LB A/A MP				0	98	92	97	0	98	88	93	0	95	92	95															
16 AMS	100 SG	2 % W/W REG																														
16 GLYPHOMAX PLUS	4 SL	0.75 LB A/A REG																														
16 AMS	100 SG	2 % W/W MP																														
17 WEEDY CHECK			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
LSD (P=.05)			0.0	1.2	7.3	6.6	0.0	1.7	4.9	4.4	0.0	1.2	7.3	5.7																		
Standard Deviation			0.0	0.7	4.4	3.9	0.0	1.0	2.9	2.7	0.0	0.7	4.4	3.4																		
CV			0.0	0.74	5.45	4.57	0.0	1.07	3.75	3.18	0.0	0.78	5.43	4.07																		

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

## SOYBEAN PREEMERGENCE II

Trial ID: S1012 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## GENERAL TRIAL INFORMATION

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

## TRIAL LOCATION

<b>City:</b>	LEXINGTON	<b>Trial Status:</b>	COMPLETE
<b>State/Prov.:</b>	KY	<b>Initiation Date:</b>	05-07-01
<b>Postal Code:</b>	40511		
<b>Country:</b>	USA		

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

## CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
3.	DATST JIMSONWEED	DATURA STRAMONIUM L.

**Crop 1:** GLXMA SOYBEAN      **Variety:** AG4702

**Planting Date:** 05-07-01      **Planting Method:** ROW

**Rate:** 190000 S/A      **Depth:** 1.25 IN

**Row Spacing:** 30 IN      **Seed Bed:** MEDIUM

**Soil Temperature:** 67 F      **Soil Moisture:** NORMAL      **Emergence Date:** 05-13-01

## SITE AND DESIGN

**Plot Width, Unit:** 5 FT      **Plot Length, Unit:** 44 FT      **Reps:** 3

**Site Type:** FIELD

**Tillage Type:** CONVENTIONAL      **Study Design:** RANDOMIZED COMPLETE BLOCK

## SOIL DESCRIPTION

% Sand:	6	% OM:	2.6	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.5	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** ADEQUATE      **Distance:** 1.5      **Unit:** MI

09-20-01 (S1012)

Site Description Page 2 of 3

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

## SOYBEAN PREEMERGENCE II

Trial ID: S1012 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## APPLICATION DESCRIPTION

	A	B	C
--	---	---	---

Application Date:	05-07-01	05-29-01	06-29-01
Time of Day:	10:00	10:00	11:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	REG
Applie. Placement:	BROSOI	BROFOL	BROSOI
Air Temp., Unit:	66 F	63 F	74 F
% Relative Humidity:	83	65	75
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	71 F	69 F	78 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	10

## CROP STAGE AT EACH APPLICATION

	A	B	C
--	---	---	---

Crop 1 Code, Stage:	GLXMA PRE	GLXMA MP	GLXMA REG
Height, Unit:		3 IN	12 IN

## WEED STAGE AT EACH APPLICATION

	A	B	C
--	---	---	---

Weed 1 Code, Stage:	SETFA PRE	SETFA MP	SETFA REG
Stage Scale:		3LF	3LF
Density, Unit:		4 IN	3 IN
Weed 2 Code, Stage:	IPOSS PRE	IPOSS MP	IPOSS REG
Stage Scale:		4LF	3LF
Density, Unit:		3 IN	2 IN
Weed 3 Code, Stage:	DATST PRE	DATST MP	DATST REG
Stage Scale:		4LF	3LF
Density, Unit:		3 IN	2 IN

09-20-01 (S1012)

Site Description Page 3 of 3

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

SOYBEAN PREEMERGENCE II

Trial ID: S1012                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.         Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	ATV	BACKPACK	BACKPACK
Operating Pressure:	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO <sub>2</sub>	CO <sub>2</sub>	CO <sub>2</sub>

09-20-01 (S1014)

AOV Means Table Page 1 of 3

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

## SOYBEAN POSTEMERGENCE

Trial ID: S1014

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.								SETFA	CHEAL	AMBTR	IPOSS	SETFA	CHEAL	AMBTR	IPOSS		
								GLXMA				GLXMA					
								INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL		
								PERCENT									
				2 WEEK		2 WEEK		2 WEEK		2 WEEK		4 WEEK		4 WEEK			
				P	P	P	P	P	P	P	P	P	P	P	P		
				0	0	0	0	0	0	0	0	0	0	0	0		
Trt Treatment No. Name	Form	Form	Rate	Grow													
	Conc	Type	Rate	Unit	Stg												
1 BOUNDARY	7.8	EC	1.22	LB A/A	PRE			0	95	90	87	88	0	90	90	87	88
1 TOUCHDOWN IQ	4	SL		1 LB A/A	21 DAP												
2 FLEXSTAR	1.88	CS	0.352	LB A/A	21 DAP			0	95	93	93	92	0	90	93	93	92
2 FUSION	2.66	EC	0.24	LB A/A	21 DAP												
2 MSO	L		1 QT/A		21 DAP												
3 BOUNDARY	7.8	EC	1.22	LB A/A	PRE			0	95	93	92	95	0	90	93	92	95
3 FLEXSTAR	1.88	CS	0.352	LB A/A	21 DAP												
3 FUSION	2.66	EC	0.24	LB A/A	21 DAP												
3 MSO	L		1 QT/A		21 DAP												
4 TOUCHDOWN IQ	4	SL	1	LB A/A	21 DAP			0	95	85	85	87	0	88	85	85	87
5 DOMAIN	60	DF	0.38	LB A/A	PRE			0	95	87	93	88	0	90	87	93	88
5 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
5 AMS	100	SG	2	% W/W	LP												
6 DOMAIN	60	DF	0.49	LB A/A	PRE			0	95	93	93	92	0	90	93	93	92
6 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
6 AMS	100	SG	2	% W/W	LP												
7 DOMAIN	60	DF	0.6	LB A/A	PRE			0	95	93	92	92	0	90	93	92	92
7 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
7 AMS	100	SG	2	% W/W	LP												
8 SENCOR	75	DF	0.28	LB A/A	PRE			0	93	95	92	93	0	88	95	92	93
8 AUTHORITY	75	DF	0.09	LB A/A	PRE												
8 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
8 AMS	100	SG	2	% W/W	LP												
9 SENCOR	75	DF	0.28	LB A/A	PRE			0	90	95	93	93	0	90	95	93	93
9 FIRSTRATE	84	W	0.02	LB A/A	PRE												
9 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
9 AMS	100	SG	2	% W/W	LP												

09-20-01 (S1014)

AOV Means Table Page 2 of 3

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

## SOYBEAN POSTEMERGENCE

Trial ID: S1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	CHEAL	AMBTR	IPOSS		SETFA	CHEAL	AMBTR	IPOSS			
Crop Code		GLXMA		GLXMA		INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
Trt-Eval Interval						P	P	P	P	P	P	P	P
ARM Action Codes						0	0	0	0	0	0	0	0
# Subsamples, Dec.													

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	95	92	92	95	0	87	92	92	95
10 SENCOR	75 DF	0.19 LB	A/A	PRE		0	95	92	92	95	0	87	92	92	95
10 CANOPY XL															
10 AUTHORITY	75 DF	0.1 LB	A/A	PRE											
10 CLASSIC	25 DF	0.02 LB	A/A	PRE											
10 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP											
10 AMS	100 SG	2 % W/W		LP											
11 PROWL	3.3 EC	0.99 LB	A/A	PRE		0	95	93	90	90	0	88	93	90	90
11 CONCLUDE XACT															
11 STORM	4 EC	0.75 LB	A/A	21 DAP											
11 POAST	1.53 EC	0.375 LB	A/A	21 DAP											
11 COC	L	1 QT/A		21 DAP											
12 SQUADRON	2.33 EC	0.99 LB	A/A	PRE		0	95	95	93	93	0	92	95	93	93
12 CONCLUDE XACT															
12 STORM	4 EC	0.75 LB	A/A	21 DAP											
12 POAST	1.53 EC	0.375 LB	A/A	21 DAP											
12 COC	L	1 QT/A		21 DAP											
13 PROWL	3.3 EC	0.99 LB	A/A	PRE		0	93	90	90	90	0	90	90	90	90
13 RAPTOR	1 E	0.031 LB	A/A	21 DAP											
13 ULTRA BLAZER	2 L	0.125 LB	A/A	21 DAP											
13 SPREADER HF		0.25 % V/V		21 DAP											
14 FIRSTRATE	84 W	0.008 LB	A/A	LP		0	87	93	93	92	0	88	93	93	92
14 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	LP											
15 FIRSTRATE	84 W	0.012 LB	A/A	LP		0	85	93	92	90	0	82	93	92	90
15 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	LP											
16 FIRSTRATE	84 W	0.016 LB	A/A	LP		0	90	92	93	90	0	88	92	93	90
16 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	LP											
17 FIRSTRATE	84 W	0.008 LB	A/A	LP		0	92	95	95	93	0	87	95	95	93
17 TOUCHDOWN IQ	4 SL	1 LB	A/A	LP											
18 FIRSTRATE	84 W	0.012 LB	A/A	LP		0	95	93	93	95	0	90	93	93	95
18 TOUCHDOWN IQ	4 SL	1 LB	A/A	LP											

09-20-01 (S1014)

AOV Means Table Page 3 of 3

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

## SOYBEAN POSTEMERGENCE

Trial ID: S1014

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	IPOSS	GLXMA	INJURY	CONTROL	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL	CONTROL
Crop Code						PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type						2 WEEK	2 WEEK	2 WEEK	2 WEEK		4 WEEK	4 WEEK	4 WEEK	4 WEEK
Rating Unit						P	P	P	P		P	P	P	P
Trt-Eval Interval						0	0	0	0		0	0	0	0
ARM Action Codes														
# Subsamples, Dec.														
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg									
19 FIRSTRATE	84 W	0.016	LB A/A	LP		0	87	95	95	0	85	95	95	95
19 TOUCHDOWN IQ	4 SL		1 LB A/A	LP										
20 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP		0	90	95	93	0	88	95	93	93
21 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	LP		0	88	95	95	0	87	95	95	95
21 AMS	100 SG		2 % W/W	LP										
21 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	REG										
21 AMS	100 SG		2 % W/W	REG										
22 TOUCHDOWN IQ	4 SL	0.75	LB A/A	LP		0	95	93	92	0	90	93	92	93
22 TOUCHDOWN IQ	4 SL	0.75	LB A/A	REG										
23 FIRSTRATE	84 W	0.016	LB A/A	LP		0	93	93	92	0	88	93	92	92
23 POAST PLUS	1 E	0.25	LB A/A	LP										
23 COC	L		1 QT/A	LP										
23 WEED MAK														
24 ULTRA BLAZER	2 L	0.375	LB A/A	LP		0	83	92	93	0	82	92	93	92
24 FIRSTRATE	84 W	0.016	LB A/A	LP										
24 COC	L		1 QT/A	LP										
24 WEED MAK														
LSD (P=.05)						0.0	6.8	6.5	4.8	6.6	0.0	7.2	6.5	4.8
Standard Deviation						0.0	4.1	3.9	2.9	4.0	0.0	4.4	3.9	2.9
CV						0.0	4.49	4.23	3.13	4.35	0.0	4.97	4.23	3.13

09-20-01 (S1014)

AOV Means Table Page 1 of 3

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

## SOYBEAN POSTEMERGENCE

Trial ID: S1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
1 BOUNDARY	7.8	EC	1.22	LB	A/A PRE					
1 TOUCHDOWN IQ	4	SL		1	LB A/A 21 DAP	0	85	85	80	80
2 FLEXSTAR	1.88	CS	0.352	LB	A/A 21 DAP	0	82	82	85	80
2 FUSION	2.66	EC	0.24	LB	A/A 21 DAP					
2 MSO	L			1	QT/A 21 DAP					
3 BOUNDARY	7.8	EC	1.22	LB	A/A PRE	0	87	85	83	78
3 FLEXSTAR	1.88	CS	0.352	LB	A/A 21 DAP					
3 FUSION	2.66	EC	0.24	LB	A/A 21 DAP					
3 MSO	L			1	QT/A 21 DAP					
4 TOUCHDOWN IQ	4	SL	1	LB	A/A 21 DAP	0	85	70	68	67
5 DOMAIN	60	DF	0.38	LB	A/A PRE	0	82	70	90	68
5 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A LP					
5 AMS	100	SG	2 %	W/W	LP					
6 DOMAIN	60	DF	0.49	LB	A/A PRE	0	87	78	80	75
6 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A LP					
6 AMS	100	SG	2 %	W/W	LP					
7 DOMAIN	60	DF	0.6	LB	A/A PRE	0	83	90	90	68
7 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A LP					
7 AMS	100	SG	2 %	W/W	LP					
8 SENCOR	75	DF	0.28	LB	A/A PRE	0	88	87	90	82
8 AUTHORITY	75	DF	0.09	LB	A/A PRE					
8 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A LP					
8 AMS	100	SG	2 %	W/W	LP					
9 SENCOR	75	DF	0.28	LB	A/A PRE	0	82	90	90	68
9 FIRSTRATE	84	W	0.02	LB	A/A PRE					
9 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A LP					
9 AMS	100	SG	2 %	W/W	LP					

09-20-01 (S1014)

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

AOV Means Table Page 2 of 3

## SOYBEAN POSTEMERGENCE

Trial ID: S1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	CHEAL	AMBTR	IPOSS
GLXMA				
INJURY	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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
10 SENCOR	75 DF		0.19	LB A/A	PRE	0	82	90	90
10 CANOPY XL									70
10 AUTHORITY	75 DF		0.1	LB A/A	PRE				
10 CLASSIC	25 DF		0.02	LB A/A	PRE				
10 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	LP				
10 AMS	100 SG		2 %	W/W	LP				
11 PROWL	3.3 EC		0.99	LB A/A	PRE	0	85	80	85
11 CONCLUDE XACT									65
11 STORM	4 EC		0.75	LB A/A	21 DAP				
11 POAST	1.53 EC		0.375	LB A/A	21 DAP				
11 COC	L		1 QT/A		21 DAP				
12 SQUADRON	2.33 EC		0.99	LB A/A	PRE	0	88	78	85
12 CONCLUDE XACT									62
12 STORM	4 EC		0.75	LB A/A	21 DAP				
12 POAST	1.53 EC		0.375	LB A/A	21 DAP				
12 COC	L		1 QT/A		21 DAP				
13 PROWL	3.3 EC		0.99	LB A/A	PRE	0	90	90	90
13 RAPTOR	1 E		0.031	LB A/A	21 DAP				78
13 ULTRA BLAZER	2 L		0.125	LB A/A	21 DAP				
13 SPREADER HF			0.25 %	V/V	21 DAP				
14 FIRSTRATE	84 W		0.008	LB A/A	LP	0	83	90	85
14 GLYPHOMAX PLUS	4 SL		0.75	LB A/A	LP				62
15 FIRSTRATE	84 W		0.012	LB A/A	LP	0	85	90	85
15 GLYPHOMAX PLUS	4 SL		0.75	LB A/A	LP				70
16 FIRSTRATE	84 W		0.016	LB A/A	LP	0	88	90	90
16 GLYPHOMAX PLUS	4 SL		0.75	LB A/A	LP				83
17 FIRSTRATE	84 W		0.008	LB A/A	LP	0	88	90	90
17 TOUCHDOWN IQ	4 SL		1	LB A/A	LP				82
18 FIRSTRATE	84 W		0.012	LB A/A	LP	0	87	90	85
18 TOUCHDOWN IQ	4 SL		1	LB A/A	LP				77

09-20-01 (S1014)

AOV Means Table Page 3 of 3

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

## SOYBEAN POSTEMERGENCE

Trial ID: S1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code  
 Crop Code  
 Rating Data Type  
 Rating Unit  
 Trt-Eval Interval  
 ARM Action Codes  
 # Subsamples, Dec.

	SETFA	CHEAL	AMBTR	IPOSS
GLXMA				
INJURY	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 Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	AMBTR	IPOSS	
19 FIRSTRATE	84 W		0.016	LB	A/A LP	0	87	85	83	75
19 TOUCHDOWN IQ	4 SL			1 LB	A/A LP					
20 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	80	90	90	67
21 ROUNDUP ULTRAMAX	5 SL		0.75	LB	A/A LP	0	90	90	90	90
21 AMS	100 SG		2 8	W/W	LP					
21 ROUNDUP ULTRAMAX	5 SL		0.75	LB	A/A REG					
21 AMS	100 SG		2 8	W/W	REG					
22 TOUCHDOWN IQ	4 SL		0.75	LB	A/A LP	0	90	90	90	90
22 TOUCHDOWN IQ	4 SL		0.75	LB	A/A REG					
23 FIRSTRATE	84 W		0.016	LB	A/A LP	0	82	80	75	63
23 POAST PLUS	1 E		0.25	LB	A/A LP					
23 COC	L		1 QT/A		LP					
23 WEED MAK										
24 ULTRA BLAZER	2 L		0.375	LB	A/A LP	0	65	85	80	55
24 FIRSTRATE	84 W		0.016	LB	A/A LP					
24 COC	L		1 QT/A		LP					
24 WEED MAK										
LSD (P=.05)			0.0		5.5	6.4	6.3	10.4		
Standard Deviation			0.0		3.3	3.9	3.8	6.3		
CV			0.0		3.92	4.53	4.48	8.6		

09-20-01 (S1014)

Site Description Page 1 of 3

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

SOYBEAN POSTEMERGENCE

Trial ID: S1014 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-02-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: GLXMA SOYBEAN      Variety: ASGROW AG4702

Planting Date: 05-02-01      Planting Method: ROW

Rate: 190000 S/A      Depth: 1.25 IN

Row Spacing: 30 IN      Seed Bed: MEDIUM

Soil Temperature: 66 F      Soil Moisture: NORMAL      Emergence Date: 05-09-01

SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand:	6	% OM:	2.6	Texture:	SILT LOAM
% Silt:	62	pH:	6.4	Soil Name:	MAURY
% Clay:	32	CEC:	17	Fert. Level:	EXCELENT

09-20-01 (S1014)

Site Description Page 2 of 3

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

## SOYBEAN POSTEMERGENCE

Trial ID: S1014 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**Overall Moisture Conditions:** NORMAL

Closest Weather Station: SPINDLETOP

**Distance:** 1.5      **Unit:** MI

## **APPLICATION DESCRIPTION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Application Date:</b>	05-02-01	05-29-01	06-03-01	06-29-01
<b>Time of Day:</b>	10:00	11:00	2:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	21DAP	LP	REG
<b>Applic. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	67 F	63 F	58 F	74 F
<b>% Relative Humidity:</b>	69	68	73	73
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	66 F	69 F	64 F	76 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUAATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	-	10	20
				10

**CROP STAGE AT EACH APPLICATION**

A	B	C	D
Crop 1 Code, Stage: GLXMA PRE	GLXMA 21DAP	GLXMA LP	GLXMA REG
Height, Unit:	3 IN	5 IN	8 IN

#### WEED STAGE AT EACH APPLICATION

A	B	C	D
Weed 1 Code, Stage: SETFA PRE	SETFA 21DAP	SETFA LP	SETFA REG
Stage Scale:	3LF	4LF	3LF
Density, Unit:	3 IN	6 IN	3 IN
Weed 2 Code, Stage: CHEAL PRE	CHEAL 21DAP	CHEAL LP	CHEAL REG
Stage Scale:	4LF	6LF	3LF
Density, Unit:	3 IN	4 IN	3 IN
Weed 3 Code, Stage: AMBTR PRE	AMBTR 21DAP	AMBTR LP	AMBTR REG
Stage Scale:	6LF	10LF	4LF
Density, Unit:	6 IN	7 IN	4 IN
Weed 4 Code, Stage: IPOSS PRE	IPOSS 21DAP	IPOSS LP	IPOSS REG
Stage Scale:	4LF	6LF	4LF
Density, Unit:	2 IN	6 IN	3 IN

09-20-01 (S1014)

Site Description Page 3 of 3

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

SOYBEAN POSTEMERGENCE

Trial ID: S1014 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION EQUIPMENT**

	A	B	C	D
Appl. Equipment:	ATV	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	30	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2	CO2

09-20-01 (S1015)

AOV Means Table Page 1 of 2

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

## SOYBEAN POSTEMERGENCE II

Trial ID: S1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	AMBTR	IPOSS	SETFA	CHEAL	AMBTR	IPOSS
							GLXMA	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
					P	P	P	P	P	P	P	P	P	P
1 PHOENIX	2 EC	0.125 LB A/A MP		2 WEEK	7	88	93	93	88	0	57	78	53	65
1 PRO-X	100 L	0.5 QT/A MP		2 WEEK										
1 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
1 COC	L	1 QT/A EP		2 WEEK										
2 PHOENIX	2 EC	0.15 LB A/A MP		2 WEEK	5	88	93	95	92	0	68	77	50	67
2 PRO-X	100 L	0.5 QT/A MP		2 WEEK										
2 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
2 COC	L	1 QT/A EP		2 WEEK										
3 PHOENIX	2 EC	0.125 LB A/A LP		2 WEEK	8	92	95	95	88	0	62	77	55	63
3 PRO-X	100 L	0.5 QT/A LP		2 WEEK										
3 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
3 COC	L	1 QT/A EP		2 WEEK										
4 PHOENIX	2 EC	0.15 LB A/A LP		2 WEEK	5	90	93	93	87	0	67	73	50	65
4 PRO-X	100 L	0.5 QT/A LP		2 WEEK										
4 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
4 COC	L	1 QT/A EP		2 WEEK										
5 PHOENIX	2 EC	0.2 LB A/A LP		2 WEEK	5	90	95	93	88	0	63	72	50	63
5 PRO-X	100 L	0.5 QT/A LP		2 WEEK										
5 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
5 COC	L	1 QT/A EP		2 WEEK										
6 PHOENIX	2 EC	0.15 LB A/A LP		2 WEEK	7	90	95	95	90	0	55	78	48	58
6 COC	L	0.5 QT/A LP		2 WEEK										
6 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
6 COC	L	1 QT/A EP		2 WEEK										
7 PHOENIX	2 EC	0.15 LB A/A LP		2 WEEK	7	90	95	93	88	0	63	75	45	63
7 SPREADER HF		0.125 % V/V LP		2 WEEK										
7 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
7 COC	L	1 QT/A EP		2 WEEK										
8 COBRA	2 EC	0.15 LB A/A LP		2 WEEK	8	90	95	93	88	0	70	77	45	65
8 COC	L	0.5 QT/A LP		2 WEEK										
8 SELECT	2 EC	0.094 LB A/A EP		2 WEEK										
8 COC	L	1 QT/A EP		2 WEEK										

09-20-01 (S1015)

AOV Means Table Page 2 of 2

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

## SOYBEAN POSTEMERGENCE II

Trial ID: S1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	AMBTR	IPOSS	SETFA	CHEAL	AMBTR	IPOSS				
							GLXMA	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	PERCENT	PERCENT	PERCENT	PERCENT
Trt Treatment	Form	Form	Rate	Grow														
No. Name	Conc	Type	Rate	Unit	Stg		P	P	P	P	P	P	P	P	P	P	P	P
9 PHOENIX	2 EC	0.125	LB A/A EP			10	88	95	95	85	0	62	75	47	60			
9 FIRSTRATE	84 W	0.016	LB A/A EP															
9 PRO-X	100 L	0.5	QT/A EP															
10 FIRSTRATE	84 W	0.016	LB A/A EP			0	73	70	90	53	0	67	62	47	62			
10 SPREADER HF		0.125	% V/V EP															
11 FIRSTRATE	84 W	0.016	LB A/A EP			0	58	83	88	77	0	62	73	53	62			
11 COC	L	0.5	QT/A EP															
12 SELECT	2 EC	0.125	LB A/A MP			0	78	82	87	62	0	63	70	47	53			
12 COBRA	2 EC	0.125	LB A/A MP															
12 COC	L	0.5	QT/A MP															
12 AMS	100 SG	2.5	LB A/A MP															
13 SELECT	2 EC	0.125	LB A/A MP			5	88	93	92	92	0	63	72	42	63			
13 HARMONY GT	75 DF	0.004	LB A/A MP															
13 COC	L	0.5	QT/A MP															
13 AMS	100 SG	2.5	LB A/A MP															
14 SELECT	2 EC	0.125	LB A/A MP			3	88	82	77	67	0	67	75	47	62			
14 HARMONY GT	75 DF	0.004	LB A/A MP															
14 COBRA	2 EC	0.125	LB A/A MP															
14 COC	L	0.5	QT/A MP															
14 AMS	100 SG	2.5	LB A/A MP															
15 SELECT	2 EC	0.125	LB A/A MP			0	90	90	85	78	0	68	82	38	58			
15 HARMONY GT	75 DF	0.004	LB A/A MP															
15 PHOENIX	2 EC	0.125	LB A/A MP															
15 COC	L	0.5	QT/A MP															
15 AMS	100 SG	2.5	LB A/A MP															
16 WEEDY CHECK						0	0	0	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						5.2	7.7	6.3	5.0	11.6	0.0	12.2	11.9	15.8	9.5			
Standard Deviation						3.1	4.6	3.8	3.0	7.0	0.0	7.3	7.1	9.5	5.7			
CV						71.14	5.74	4.47	3.49	9.09	0.0	12.27	10.23	21.1	9.85			

09-20-01 (S1015)

AOV Means Table Page 1 of 2

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

## SOYBEAN POSTEMERGENCE II

Trial ID: S1015 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg				
1	PHOENIX	2	EC	0.125	LB	A/A	MP			
1	PRO-X	100	L	0.5	QT/A		MP			
1	SELECT	2	EC	0.094	LB	A/A	EP			
1	COC		L	1	QT/A		EP			
2	PHOENIX	2	EC	0.15	LB	A/A	MP			
2	PRO-X	100	L	0.5	QT/A		MP			
2	SELECT	2	EC	0.094	LB	A/A	EP			
2	COC		L	1	QT/A		EP			
3	PHOENIX	2	EC	0.125	LB	A/A	LP			
3	PRO-X	100	L	0.5	QT/A		LP			
3	SELECT	2	EC	0.094	LB	A/A	EP			
3	COC		L	1	QT/A		EP			
4	PHOENIX	2	EC	0.15	LB	A/A	LP			
4	PRO-X	100	L	0.5	QT/A		LP			
4	SELECT	2	EC	0.094	LB	A/A	EP			
4	COC		L	1	QT/A		EP			
5	PHOENIX	2	EC	0.2	LB	A/A	LP			
5	PRO-X	100	L	0.5	QT/A		LP			
5	SELECT	2	EC	0.094	LB	A/A	EP			
5	COC		L	1	QT/A		EP			
6	PHOENIX	2	EC	0.15	LB	A/A	LP			
6	COC		L	0.5	QT/A		LP			
6	SELECT	2	EC	0.094	LB	A/A	EP			
6	COC		L	1	QT/A		EP			
7	PHOENIX	2	EC	0.15	LB	A/A	LP			
7	SPREADER HF			0.125	%	V/V	LP			
7	SELECT	2	EC	0.094	LB	A/A	EP			
7	COC		L	1	QT/A		EP			
8	COBRA	2	EC	0.15	LB	A/A	LP			
8	COC		L	0.5	QT/A		LP			
8	SELECT	2	EC	0.094	LB	A/A	EP			
8	COC		L	1	QT/A		EP			

09-20-01 (S1015)

AOV Means Table Page 2 of 2

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

## SOYBEAN POSTEMERGENCE II

Trial ID: S1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

SETFA CHEAL AMBTR IPOSS

GLXMA

INJURY 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 Treatment No. Name	Form Conc Form Type	Rate Unit	Grow Stg					
9 PHOENIX	2 EC	0.125 LB A/A EP		0	62	75	47	60
9 FIRSTRATE	84 W	0.016 LB A/A EP						
9 PRO-X	100 L	0.5 QT/A EP						
10 FIRSTRATE	84 W	0.016 LB A/A EP		0	67	62	47	62
10 SPREADER HF		0.125 % V/V EP						
11 FIRSTRATE	84 W	0.016 LB A/A EP		0	62	73	53	62
11 COC	L	0.5 QT/A EP						
12 SELECT	2 EC	0.125 LB A/A MP		0	63	70	47	53
12 COBRA	2 EC	0.125 LB A/A MP						
12 COC	L	0.5 QT/A MP						
12 AMS	100 SG	2.5 LB A/A MP						
13 SELECT	2 EC	0.125 LB A/A MP		0	63	72	42	63
13 HARMONY GT	75 DF	0.004 LB A/A MP						
13 COC	L	0.5 QT/A MP						
13 AMS	100 SG	2.5 LB A/A MP						
14 SELECT	2 EC	0.125 LB A/A MP		0	67	75	47	62
14 HARMONY GT	75 DF	0.004 LB A/A MP						
14 COBRA	2 EC	0.125 LB A/A MP						
14 COC	L	0.5 QT/A MP						
14 AMS	100 SG	2.5 LB A/A MP						
15 SELECT	2 EC	0.125 LB A/A MP		0	68	82	38	58
15 HARMONY GT	75 DF	0.004 LB A/A MP						
15 PHOENIX	2 EC	0.125 LB A/A MP						
15 COC	L	0.5 QT/A MP						
15 AMS	100 SG	2.5 LB A/A MP						
16 WEEDY CHECK				0	0	0	0	0
LSD (P=.05)				0.0	12.2	11.9	15.8	9.5
Standard Deviation				0.0	7.3	7.1	9.5	5.7
CV				0.0	12.27	10.23	21.1	9.85

09-20-01 (S1015)

Site Description Page 1 of 3

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

## SOYBEAN POSTEMERGENCE II

Trial ID: S1015 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-02-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: GLXMA SOYBEAN      Variety: ASGROW AG4702

Planting Date: 05-02-01      Planting Method: ROW

Rate: 190000 S/A      Depth: 1.25 IN

Row Spacing: 30 IN      Seed Bed: MEDIUM

Soil Temperature: 66 F      Soil Moisture: NORMAL      Emergence Date: 05-10-01

### SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL      Study Design: RANDOMIZED COMPLETE BLOCK

### SOIL DESCRIPTION

% Sand:	6	% OM:	2.6	Texture:	SILT LOAM
% Silt:	64	pH:	6.5	Soil Name:	MAURY
% Clay:	30	CEC:	17	Fert. Level:	EXCELLENT

09-20-01 (S1015)

Site Description Page 2 of 3

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

## SOYBEAN POSTEMERGENCE II

Trial ID: S1015                            Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.                    Investigator: Charles Slack**APPLICATION DESCRIPTION****A                    B                    C**

<b>Application Date:</b>	05-25-01	05-29-01	06-03-01
<b>Time of Day:</b>	10:00	11:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	EP	MP	LP
<b>Applic. Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	56 F	63 F	58 F
<b>% Relative Humidity:</b>	70	68	73
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	63 F	69 F	63 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10

**CROP STAGE AT EACH APPLICATION****A                    B                    C**

<b>Crop 1 Code, Stage:</b>	GLXMA EP	GLXMA MP	GLXMA LP
<b>Height, Unit:</b>	2 IN	3 IN	5 IN

**WEED STAGE AT EACH APPLICATION****A                    B                    C**

<b>Weed 1 Code, Stage:</b>	SETFA EP	SETFA MP	SETFA LP
<b>Stage Scale:</b>	2LF	3LF	4LF
<b>Density, Unit:</b>	2 IN	4 IN	6 IN
<b>Weed 2 Code, Stage:</b>	CHEAL EP	CHEAL MP	CHEAL LP
<b>Stage Scale:</b>	3LF	5LF	6LF
<b>Density, Unit:</b>	3 IN	4 IN	5 IN
<b>Weed 3 Code, Stage:</b>	AMBTR EP	AMBTR MP	AMBTR LP
<b>Stage Scale:</b>	3LF	4L	5LF
<b>Density, Unit:</b>	4 IN	5 IN	6 IN
<b>Weed 4 Code, Stage:</b>	IPOSS EP	IPOSS MP	IPOSS LP
<b>Stage Scale:</b>	2LF	3LF	4LF
<b>Density, Unit:</b>	2 IN	3 IN	4 IN

09-20-01 (S1015)

Site Description Page 3 of 3

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015                            Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.                    Investigator: Charles Slack

APPLICATION EQUIPMENT					
	A	B	C		
<b>Appl. Equipment:</b>	BACKPACK	BACKPACK	BACKPACK		
<b>Operating Pressure:</b>	30	30	30		
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN		
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG		
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN		
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT		
<b>Boom Height, Unit:</b>	20 IN	20 IN	20 IN		
<b>Ground Speed, Unit:</b>	3.5 MPH	3.5 MPH	3.5 MPH		
<b>Carrier:</b>	WATER	WATER	WATER		
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA		
<b>Propellant:</b>	CO2	CO2	CO2		

09-20-01 (S1016)

AOV Means Table Page 1 of 3

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

## SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	IPOSS	AMBTR	SETFA	CHEAL	IPOSS	AMBTR		
							GLXMA	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL		
		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
		2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS		
		P	P	P	P	P	P	P	P	P	P	P	P	P		
		0	0	0	0	0	0	0	0	0	0	0	0	0		
Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg										
1 PHOENIX		2 EC	0.15 LB	A/A MP			5	100	68	97	100	0	95	47	95	95
1 FIRSTRATE		84 W	0.016 LB	A/A MP												
1 AMS		100 SG	2.5 LB	A/A MP												
1 SELECT		2 EC	0.094 LB	A/A EP												
1 COC		L	1 QT/A	EP												
2 PHOENIX		2 EC	0.125 LB	A/A MP			5	100	63	97	100	0	95	50	95	95
2 FIRSTRATE		84 W	0.016 LB	A/A MP												
2 AMS		100 SG	2.5 LB	A/A MP												
2 SELECT		2 EC	0.094 LB	A/A EP												
2 COC		L	1 QT/A	EP												
3 PHOENIX		2 EC	0.15 LB	A/A MP			5	100	85	98	100	0	95	85	95	95
3 FIRSTRATE		84 W	0.016 LB	A/A MP												
3 SPREADER HF			0.125 %	V/V MP												
3 SELECT		2 EC	0.094 LB	A/A EP												
3 COC		L	1 QT/A	EP												
4 PHOENIX		2 EC	0.125 LB	A/A MP			5	67	75	98	100	0	63	75	95	95
4 FIRSTRATE		84 W	0.016 LB	A/A MP												
4 SPREADER HF			0.125 %	V/V MP												
4 SELECT		2 EC	0.094 LB	A/A EP												
4 COC		L	1 QT/A	EP												
5 PHOENIX		2 EC	0.15 LB	A/A MP			10	100	100	80	93	5	95	95	80	88
5 HARMONY GT		75 DF	0.004 LB	A/A MP												
5 SELECT		2 EC	0.125 LB	A/A MP												
5 AMS		100 SG	2.5 LB	A/A MP												
6 PHOENIX		2 EC	0.15 LB	A/A MP			10	100	100	85	100	5	95	95	85	93
6 HARMONY GT		75 DF	0.004 LB	A/A MP												
6 SELECT		2 EC	0.125 LB	A/A MP												
6 SPREADER HF			0.125 %	V/V MP												
7 PHOENIX		2 EC	0.15 LB	A/A MP			8	100	100	83	100	3	95	95	82	95
7 HARMONY GT		75 DF	0.004 LB	A/A MP												
7 SELECT		2 EC	0.125 LB	A/A MP												
7 AMS		100 SG	2.5 LB	A/A MP												
7 SPREADER HF			0.125 %	V/V MP												

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

## SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	IPOSS	AMBTR	SETFA	CHEAL	IPOSS	AMBTR
							GLXMA	GLXMA	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg			PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
							P	P	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS
							0	0	0	0	0	0	0	0
8 COBRA		2 EC	0.15 LB	A/A MP			5	100	87	98	100	0	95	82
8 FIRSTRATE		84 W	0.016 LB	A/A MP									93	95
8 COC		L	0.5 QT/A	MP										
8 AMS		100 SG	2.5 LB	A/A MP										
8 SELECT		2 EC	0.094 LB	A/A EP										
8 COC		L	1 QT/A	EP										
9 FLEXSTAR		1.88 CS	0.19 LB	A/A MP			3	98	97	98	100	0	95	95
9 FIRSTRATE		84 W	0.016 LB	A/A MP									98	100
9 COC		L	0.5 QT/A	MP										
9 AMS		100 SG	2.5 LB	A/A MP										
9 SELECT		2 EC	0.094 LB	A/A EP										
9 COC		L	1 QT/A	EP										
10 COBRA		2 EC	0.15 LB	A/A MP			5	100	93	85	98	.2	95	92
10 HARMONY GT		75 DF	0.004 LB	A/A MP									85	95
10 SELECT		2 EC	0.125 LB	A/A MP										
10 SPREADER HF			0.125 %	V/V MP										
10 AMS		100 SG	2.5 LB	A/A MP										
11 HARMONY GT		75 DF	0.004 LB	A/A MP			5	98	95	58	63	2	95	93
11 SELECT		2 EC	0.125 LB	A/A MP									58	62
11 SPREADER HF			0.125 %	V/V MP										
11 AMS		100 SG	2.5 LB	A/A MP										
12 TOUCHDOWN IQ		4 SL	1 LB	A/A LP			0	92	93	90	93	0	92	93
12 WEED MAK													90	93
13 RAPTOR		1 E	0.031 LB	A/A LP			2	85	87	82	85	0	77	85
13 SPREADER HF			0.25 %	V/V LP									82	85
13 LIQUID N		L	1 QT/A	LP										
13 WEED MAK														
14 SCEPTER		70 WG	0.125 LB	A/A LP			0	58	62	58	60	0	48	48
14 COC		L	1 QT/A	LP									48	40
14 WEED MAK														
15 WEEDY CHECK							0	0	0	0	0	0	0	0

09-20-01 (S1016)

AOV Means Table Page 3 of 3

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

## SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA CHEAL IPOSS AMBTR SETFA CHEAL IPOSS AMBTR

Crop Code

GLXMA GLXMA

Rating Data Type

INJURY CONTROL CONTROL CONTROL INJURY CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

2 WEEKS 2 WEEKS 2 WEEKS 2 WEEKS 4 WEEKS 4 WEEKS 4 WEEKS 4 WEEKS

ARM Action Codes

P P P P P P P P P P

# Subsamples, Dec.

0 0 0 0 0 0 0 0 0 0

Trt Treatment No.	Form Conc	Form Type	Rate Rate	Grow Unit Stg
-------------------	-----------	-----------	-----------	---------------

LSD (P=.05)	2.2	32.4	25.7	24.5	27.2	2.1	28.9	20.5	21.0	20.1
Standard Deviation	1.3	19.3	15.4	14.6	16.3	1.3	17.3	12.2	12.6	12.0
CV	29.01	22.35	19.15	18.19	18.87	114.8	21.06	16.25	15.94	14.7

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

## SOYBEAN POSTEMERGENCE III

Trial ID: S1016 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	IPOSS	AMBTR
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 PHOENIX	2 EC	0.15 LB	A/A	MP	0	95	33	95	95
1 FIRSTRATE	84 W	0.016 LB	A/A	MP					
1 AMS	100 SG	2.5 LB	A/A	MP					
1 SELECT	2 EC	0.094 LB	A/A	EP					
1 COC	L	1 QT/A		EP					
2 PHOENIX	2 EC	0.125 LB	A/A	MP	0	95	47	95	95
2 FIRSTRATE	84 W	0.016 LB	A/A	MP					
2 AMS	100 SG	2.5 LB	A/A	MP					
2 SELECT	2 EC	0.094 LB	A/A	EP					
2 COC	L	1 QT/A		EP					
3 PHOENIX	2 EC	0.15 LB	A/A	MP	0	95	62	95	95
3 FIRSTRATE	84 W	0.016 LB	A/A	MP					
3 SPREADER HF		0.125 %	V/V	MP					
3 SELECT	2 EC	0.094 LB	A/A	EP					
3 COC	L	1 QT/A		EP					
4 PHOENIX	2 EC	0.125 LB	A/A	MP	0	63	75	95	95
4 FIRSTRATE	84 W	0.016 LB	A/A	MP					
4 SPREADER HF		0.125 %	V/V	MP					
4 SELECT	2 EC	0.094 LB	A/A	EP					
4 COC	L	1 QT/A		EP					
5 PHOENIX	2 EC	0.15 LB	A/A	MP	0	95	95	80	88
5 HARMONY GT	75 DF	0.004 LB	A/A	MP					
5 SELECT	2 EC	0.125 LB	A/A	MP					
5 AMS	100 SG	2.5 LB	A/A	MP					
6 PHOENIX	2 EC	0.15 LB	A/A	MP	2	95	95	85	93
6 HARMONY GT	75 DF	0.004 LB	A/A	MP					
6 SELECT	2 EC	0.125 LB	A/A	MP					
6 SPREADER HF		0.125 %	V/V	MP					
7 PHOENIX	2 EC	0.15 LB	A/A	MP	0	95	95	82	95
7 HARMONY GT	75 DF	0.004 LB	A/A	MP					
7 SELECT	2 EC	0.125 LB	A/A	MP					
7 AMS	100 SG	2.5 LB	A/A	MP					
7 SPREADER HF		0.125 %	V/V	MP					

09-20-01 (S1016)

AOV Means Table Page 2 of 3

Dept. of Agronomy, Univ. of Ky  
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## SOYBEAN POSTEMERGENCE III

Trial ID: S1016 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	IPOSS	AMBTR
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
8 COBRA	2 EC	0.15 LB	A/A	MP	0	95	72	93	95
8 FIRSTRATE	84 W	0.016 LB	A/A	MP					
8 COC	L	0.5 QT/A		MP					
8 AMS	100 SG	2.5 LB	A/A	MP					
8 SELECT	2 EC	0.094 LB	A/A	EP					
8 COC	L	1 QT/A		EP					
9 FLEXSTAR	1.88 CS	0.19 LB	A/A	MP	0	95	93	95	95
9 FIRSTRATE	84 W	0.016 LB	A/A	MP					
9 COC	L	0.5 QT/A		MP					
9 AMS	100 SG	2.5 LB	A/A	MP					
9 SELECT	2 EC	0.094 LB	A/A	EP					
9 COC	L	1 QT/A		EP					
10 COBRA	2 EC	0.15 LB	A/A	MP	0	95	90	83	95
10 HARMONY GT	75 DF	0.004 LB	A/A	MP					
10 SELECT	2 EC	0.125 LB	A/A	MP					
10 SPREADER HF		0.125 %	V/V	MP					
10 AMS	100 SG	2.5 LB	A/A	MP					
11 HARMONY GT	75 DF	0.004 LB	A/A	MP	0	95	93	58	62
11 SELECT	2 EC	0.125 LB	A/A	MP					
11 SPREADER HF		0.125 %	V/V	MP					
11 AMS	100 SG	2.5 LB	A/A	MP					
12 TOUCHDOWN IQ	4 SL	1 LB	A/A	LP	0	92	93	90	93
12 WEED MAK									
13 RAPTOR	1 E	0.031 LB	A/A	LP	0	77	85	82	85
13 SPREADER HF		0.25 %	V/V	LP					
13 LIQUID N	L	1 QT/A		LP					
13 WEED MAK									
14 SCEPTER	70 WG	0.125 LB	A/A	LP	0	48	48	35	13
14 COC	L	1 QT/A		LP					
14 WEED MAK									
15 WEEDY CHECK					0	0	0	0	0

09-20-01 (S1016)

AOV Means Table Page 3 of 3

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

## SOYBEAN POSTEMERGENCE III

Trial ID: S1016 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	IPOSS	AMBTR
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment	Form No.	Form Conc	Rate Type	Grow Rate	Stg
---------------	----------	-----------	-----------	-----------	-----

LSD (P=.05)		1.2	28.9	19.8	16.8	14.4
Standard Deviation		0.7	17.3	11.9	10.0	8.6
CV		670.82	21.06	16.52	12.92	10.84

09-20-01 (S1016)

Site Description Page 1 of 3

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

SOYBEAN POSTEMERGENCE III

Trial ID: S1016 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                           **Trial Status:** COMPLETE  
**State/Prov.:** KY                           **Initiation Date:** 05-02-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                           Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

<b>Weed Code</b>	<b>Common Name</b>	<b>Scientific Name</b>
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
4.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.

**Crop 1:** GLXMA SOYBEAN

**Variety:** ASGROW AG4702

**Planting Date:** 05-02-01

**Planting Method:** ROW

**Rate:** 190000 S/A

**Depth:** 1.25 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 66 F

**Soil Moisture:** NORMAL                           **Emergence Date:** 05-10-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                           **Plot Length, Unit:** 44 FT                           **Reps:** 3

**Site Type:** FIELD

**Study Design:** RANDOMIZED COMPLETE BLOCK

**Tillage Type:** CONVENTIONAL

**SOIL DESCRIPTION**

% Sand:	6	% OM:	2.6	<b>Texture:</b>	SILT LOAM
% Silt:	64	pH:	6.4	<b>Soil Name:</b>	MAURY
% Clay:	30	CEC:	17	<b>Fert. Level:</b>	EXCELLENT

09-20-01 (S1016)

Site Description Page 2 of 3

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

## SOYBEAN POSTEMERGENCE III

Trial ID: S1016 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles SlackOverall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

	APPLICATION DESCRIPTION		
	A	B	C
<b>Application Date:</b>	05-25-01	05-29-01	05-29-01
<b>Time of Day:</b>	10:00	10:00	3:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	EP	MP	LP
<b>Applic. Placement:</b>	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	56 F	63 F	63 F
<b>% Relative Humidity:</b>	70	68	68
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	4 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	63 F	69 F	69 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	20

## CROP STAGE AT EACH APPLICATION

	A	B	C
<b>Crop 1 Code, Stage:</b>	GLXMA EP	GLXMA MP	GLXMA LP
<b>Height, Unit:</b>	2 IN	3 IN	3 IN

## WEED STAGE AT EACH APPLICATION

	A	B	C
<b>Weed 1 Code, Stage:</b>	SETFA EP	SETFA MP	SETFA LP
<b>Stage Scale:</b>	3LF	3LF	3LF
<b>Density, Unit:</b>	3 IN	4 IN	4 IN
<b>Weed 2 Code, Stage:</b>	CHEAL EP	CHEAL MP	CHEAL LP
<b>Stage Scale:</b>	4LF	6LF	6LF
<b>Density, Unit:</b>	3 IN	5 IN	5 IN
<b>Weed 3 Code, Stage:</b>	IPOSS EP	IPOSS MP	IPOSS LP
<b>Stage Scale:</b>	2LF	4LF	4LF
<b>Density, Unit:</b>	2 IN	3 IN	3 IN
<b>Weed 4 Code, Stage:</b>	AMBTR EP	AMBTR MP	AMBTR LP
<b>Stage Scale:</b>	4LF	8LF	8LF
<b>Density, Unit:</b>	2 IN	4 IN	4 IN

09-20-01 (S1016)

Site Description Page 3 of 3

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

SOYBEAN POSTEMERGENCE III

Trial ID: S1016                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.            Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

09-20-01 (S1017)

AOV Means Table Page 1 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA ABUTH AMBTR IPOSS

Crop Code

SETFA ABUTH AMBTR IPOSS

Rating Data Type

GLXMA INJURY CONTROL CONTROL CONTROL GLXMA INJURY CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

2 WEEK 2 WEEK 2 WEEK 2 WEEK 4 WEEK 4 WEEK 4 WEEK 4 WEEK

ARM Action Codes

P P P P P P P P P P

# Subsamples, Dec.

0 0 0 0 0 0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	GLXMA INJURY	CONTROL 2 WEEK	CONTROL 2 WEEK	CONTROL 2 WEEK	GLXMA INJURY	CONTROL 4 WEEK	CONTROL 4 WEEK	CONTROL 4 WEEK	CONTROL 4 WEEK
1 PHOENIX	2 EC	0.15 LB	A/A MP	0	92	83	82	23	0	78	78	80	23	
1 SELECT	2 EC	0.094 LB	A/A MP											
1 AMS	100 SG	2.5 LB	A/A-MP											
2 PHOENIX	2 EC	0.15 LB	A/A MP	0	92	88	83	62	0	85	83	80	57	
2 SELECT	2 EC	0.125 LB	A/A MP											
2 AMS	100 SG	2.5 LB	A/A MP											
3 PHOENIX	2 EC	0.15 LB	A/A MP	0	92	87	80	62	0	88	83	77	60	
3 SELECT	2 EC	0.094 LB	A/A MP											
3 PRO-X	100 L	0.5 QT/A	MP											
4 PHOENIX	2 EC	0.15 LB	A/A MP	0	92	88	83	78	0	83	80	78	77	
4 SELECT	2 EC	0.125 LB	A/A MP											
4 PRO-X	100 L	0.5 QT/A	MP											
5 PHOENIX	2 EC	0.15 LB	A/A MP	0	92	88	87	68	0	85	80	78	67	
5 SELECT	2 EC	0.094 LB	A/A MP											
5 SPREADER HF		0.125 % V/V	MP											
6 PHOENIX	2 EC	0.15 LB	A/A MP	0	93	88	83	73	0	83	82	82	73	
6 SELECT	2 EC	0.125 LB	A/A MP											
6 SPREADER HF		0.125 % V/V	MP											
7 COBRA	2 EC	0.15 LB	A/A MP	3	90	88	87	72	3	80	83	80	68	
7 SELECT	2 EC	0.125 LB	A/A MP											
7 COC	L	0.5 QT/A	MP											
7 AMS	100 SG	2.5 LB	A/A MP											
8 FLEXSTAR	1.88 CS	0.19 LB	A/A MP	2	93	93	93	88	2	83	82	85	87	
8 FIRSTRATE	84 W	0.016 LB	A/A MP											
8 SELECT	2 EC	0.125 LB	A/A MP											
8 COC	L	0.5 QT/A	MP											
8 AMS	100 SG	2.5 LB	A/A MP											
9 SELECT	2 EC	0.094 LB	A/A MP	0	88	37	33	23	0	80	35	33	23	
9 COC	L	1 QT/A	MP											

09-20-01 (S1017)

AOV Means Table Page 2 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form Conc Form Type	Rate Rate	Grow Stg	SETFA	ABUTH	AMBTR	IPOSS	SETFA	ABUTH	AMBTR	IPOSS		
				GLXMA				GLXMA					
				INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL		
				PERCENT									
2 WEEK		2 WEEK		2 WEEK		2 WEEK		4 WEEK		4 WEEK			
P		P		P		P		P		P			
		0	0	0	0	0	0	0	0	0	0		
10 SELECT	2 EC	0.094	LB A/A MP	0	93	83	80	50	0	83	82	75	58
10 COBRA	2 EC	0.125	LB A/A MP										
10 COC	L	1	QT/A MP										
10 AMS	100 SG	2.5	LB A/A MP										
11 SELECT	2 EC	0.094	LB A/A MP	0	90	77	77	25	0	82	72	72	25
11 PHOENIX	2 EC	0.125	LB A/A MP										
11 AMS	100 SG	2.5	LB A/A MP										
12 SELECT	2 EC	0.125	LB A/A MP	3	92	87	87	83	3	83	83	83	80
12 PHOENIX	2 EC	0.125	LB A/A MP										
12 AMS	100 SG	2.5	LB A/A MP										
13 ROUNDUP ULTRAMAX	5 SL	1	LB A/A MP	0	92	92	88	80	0	80	85	83	78
13 SELECT	2 EC	0.094	LB A/A EP										
13 COC	L	1	QT/A EP										
14 ROUNDUP ULTRAMAX	5 SL	1	LB A/A MP	0	95	93	92	88	0	83	85	88	83
14 S-3153	57.6 WG	0.018	LB A/A MP										
14 SELECT	2 EC	0.094	LB A/A EP										
14 COC	L	1	QT/A EP										
15 V-10078	4.07 SC	1.018	LB A/A MP	0	93	95	92	90	0	83	83	85	87
15 COC	L	1	QT/A MP										
15 AMS	100 SG	2.5	LB A/A MP										
15 SELECT	2 EC	0.094	LB A/A EP										
15 COC	L	1	QT/A EP										
16 ROUNDUP ULTRAMAX	5 SL	1	LB A/A MP	0	95	95	95	90	0	85	83	88	85
16 FIRSTRATE	84 W	0.008	LB A/A MP										
16 SELECT	2 EC	0.094	LB A/A EP										
16 COC	L	1	QT/A EP										
17 ROUNDUP ULTRAMAX	5 SL	1	LB A/A LP	0	93	92	87	77	0	82	87	85	73
18 VALOR	50 WG	0.063	LB A/A PRE	0	95	95	93	90	0	85	82	90	85
18 ROUNDUP ULTRAMAX	5 SL	1	LB A/A LP										

09-20-01 (S1017)

AOV Means Table Page 3 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	ABUTH	AMBTR	IPOSS	SETFA	ABUTH	AMBTR	IPOSS
							GLXMA	INJURY	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL
							2 WEEK	2 WEEK	2 WEEK	2 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
19 SQUADRON	2.33 EC	0.87 LB	A/A PRE				3	95	95	93	90	3	83	85
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										88	88
20 CHECK							0	0	0	0	0	0	0	0
LSD (P=.05)							3.4	4.3	15.1	14.7	23.1	3.4	6.3	13.6
Standard Deviation							2.1	2.6	9.1	8.9	14.0	2.1	3.8	8.2
CV							352.68	2.98	11.1	11.18	21.29	352.68	4.82	10.88
													11.62	22.87

09-20-01 (S1017)

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

AOV Means Table Page 1 of 3

## SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	SETFA	ABUTH	AMBTR	IPOSS
1 PHOENIX	2 EC		0.15 LB	A/A MP	0	78	78	80
1 SELECT	2 EC		0.094 LB	A/A MP				
1 AMS	100 SG		2.5 LB	A/A MP				
2 PHOENIX	2 EC		0.15 LB	A/A MP	0	85	83	80
2 SELECT	2 EC		0.125 LB	A/A MP				
2 AMS	100 SG		2.5 LB	A/A MP				
3 PHOENIX	2 EC		0.15 LB	A/A MP	0	88	83	77
3 SELECT	2 EC		0.094 LB	A/A MP				
3 PRO-X	100 L		0.5 QT/A	MP				
4 PHOENIX	2 EC		0.15 LB	A/A MP	0	83	80	78
4 SELECT	2 EC		0.125 LB	A/A MP				
4 PRO-X	100 L		0.5 QT/A	MP				
5 PHOENIX	2 EC		0.15 LB	A/A MP	0	85	80	78
5 SELECT	2 EC		0.094 LB	A/A MP				
5 SPREADER HF			0.125 % V/V	MP				
6 PHOENIX	2 EC		0.15 LB	A/A MP	0	83	82	82
6 SELECT	2 EC		0.125 LB	A/A MP				
6 SPREADER HF			0.125 % V/V	MP				
7 COBRA	2 EC		0.15 LB	A/A MP	3	80	83	80
7 SELECT	2 EC		0.125 LB	A/A MP				
7 COC	L		0.5 QT/A	MP				
7 AMS	100 SG		2.5 LB	A/A MP				
8 FLEXSTAR	1.88 CS		0.19 LB	A/A MP	2	83	82	85
8 FIRSTRATE	84 W		0.016 LB	A/A MP				
8 SELECT	2 EC		0.125 LB	A/A MP				
8 COC	L		0.5 QT/A	MP				
8 AMS	100 SG		2.5 LB	A/A MP				
9 SELECT	2 EC		0.094 LB	A/A MP	0	80	35	33
9 COC	L		1 QT/A	MP				23

09-20-01 (S1017)

AOV Means Table Page 2 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code		SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA				
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
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS
10 SELECT	2 EC	0.094	LB A/A	MP	0	83	82	75	58
10 COBRA	2 EC	0.125	LB A/A	MP					
10 COC	L	1	QT/A	MP					
10 AMS	100 SG	2.5	LB A/A	MP					
11 SELECT	2 EC	0.094	LB A/A	MP	0	82	72	72	25
11 PHOENIX	2 EC	0.125	LB A/A	MP					
11 AMS	100 SG	2.5	LB A/A	MP					
12 SELECT	2 EC	0.125	LB A/A	MP	3	83	83	83	80
12 PHOENIX	2 EC	0.125	LB A/A	MP					
12 AMS	100 SG	2.5	LB A/A	MP					
13 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	MP	0	80	85	83	78
13 SELECT	2 EC	0.094	LB A/A	EP					
13 COC	L	1	QT/A	EP					
14 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	MP	0	83	85	88	83
14 S-3153	57.6 WG	0.018	LB A/A	MP					
14 SELECT	2 EC	0.094	LB A/A	EP					
14 COC	L	1	QT/A	EP					
15 V-10078	4.07 SC	1.018	LB A/A	MP	0	83	83	85	87
15 COC	L	1	QT/A	MP					
15 AMS	100 SG	2.5	LB A/A	MP					
15 SELECT	2 EC	0.094	LB A/A	EP					
15 COC	L	1	QT/A	EP					
16 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	MP	0	85	83	88	85
16 FIRSTRATE	84 W	0.008	LB A/A	MP					
16 SELECT	2 EC	0.094	LB A/A	EP					
16 COC	L	1	QT/A	EP					
17 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	LP	0	82	87	85	73
18 VALOR	50 WG	0.063	LB A/A	PRE	0	85	82	90	85
18 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	LP					

09-20-01 (S1017)

AOV Means Table Page 3 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	ABUTH	AMBTR	IPOSS
GLXMA				
INJURY	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 Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
19 SQUADRON	2.33	EC	0.87	LB A/A	PRE	3	83	85	88
19 ROUNDUP ULTRAMAX	5	SL		1 LB	A/A LP				
20 CHECK				0		0	0	0	0
LSD (P=.05)			3.4	6.3	13.6	14.5	24.1		
Standard Deviation			2.1	3.8	8.2	8.8	14.6		
CV			352.68	4.82	10.88	11.62	22.87		

09-20-01 (S1017)

Site Description Page 1 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Affiliation: UNIVERSITY OF KENTUCKY

Postal Code: 40546

Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-07-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: GLXMA SOYBEAN

Variety: ASGROW AG4702

Planting Date: 05-07-01

Planting Method: ROW

Rate: 190000 S/A

Depth: 1.25 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 66 F

Soil Moisture: NORMAL

Emergence Date: 05-15-01

SITE AND DESIGN

Plot Width, Unit: 5 FT

Plot Length, Unit: 44 FT

Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6 % OM: 2.6

Texture: SILT LOAM

% Silt: 62 pH: 6.5

Soil Name: MAURY

% Clay: 32 CEC: 17

Fert. Level: EXCELLENT

09-20-01 (S1017)

Site Description Page 2 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack**APPLICATION DESCRIPTION**

	A	B	C	D
<b>Application Date:</b>	05-07-01	05-25-01	05-29-01	06-05-01
<b>Time of Day:</b>	10:00	11:00	10:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	EP	MP	LP
<b>Applc. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	66 F	56 F	63 F	72 F
<b>% Relative Humidity:</b>	83	70	68	79
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	67 F	63 F	69 F	70 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10	20

**CROP STAGE AT EACH APPLICATION**

	A	B	C	D
<b>Crop 1 Code, Stage:</b>	GLXMA PRE	GLXMA EP	GLXMA MP	GLXMA LP
<b>Height, Unit:</b>		3 IN	4 IN	5 IN

**WEED STAGE AT EACH APPLICATION**

	A	B	C	D
<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA EP	SETFA MP	SETFA LP
<b>Stage Scale:</b>		3LF	3LF	4LF
<b>Density, Unit:</b>		3 IN	3 IN	4 IN
<b>Weed 2 Code, Stage:</b>	ABUTH PRE	ABUTH EP	ABUTH MP	ABUTH LP
<b>Stage Scale:</b>		2LF	3LF	4LF
<b>Density, Unit:</b>		2 IN	2 IN	3 IN
<b>Weed 3 Code, Stage:</b>	AMBTR PRE	AMBTR EP	AMBTR MP	AMBTR LP
<b>Stage Scale:</b>		4LF	5LF	5LF
<b>Density, Unit:</b>		2 IN	3 IN	4 IN
<b>Weed 4 Code, Stage:</b>	IPOSS PRE	IPOSS EP	IPOSS MP	IPOSS LP
<b>Stage Scale:</b>		3LF	4LF	5LF
<b>Density, Unit:</b>		2 IN	3 IN	5 IN

09-20-01 (S1017)

Site Description Page 3 of 3

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION EQUIPMENT							
	A	B	C	D			
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK	BACKPACK			
<b>Operating Pressure:</b>	30	30	30	30			
<b>Nozzle Type:</b>	FLAT	FAN	FLAT	FAN	FLAT	FAN	FLAT
<b>Nozzle Size:</b>	8004	DG	8004	DG	8004	DG	8004
<b>Nozzle Spacing, Unit:</b>	20	IN	20	IN	20	IN	20
<b>Boom Length, Unit:</b>	5	FT	5	FT	5	FT	5
<b>Boom Height, Unit:</b>	19	IN	20	IN	20	IN	20
<b>Ground Speed, Unit:</b>	4	MPH	3.5	MPH	3.5	MPH	3.5
<b>Carrier:</b>	WATER	WATER	WATER	WATER			
<b>Spray Volume, Unit:</b>	24	GPA	24	GPA	24	GPA	24
<b>Propellant:</b>	CO2	CO2	CO2	CO2			

09-20-01 (S1017-2)

AOV Means Table Page 1 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	ABUTH	IPOSS	SETFA	ABUTH	IPOSS
	GLXMA			GLXMA		
	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK
	P	P	P	P	P	P
	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	SETFA	ABUTH	IPOSS
1 PHOENIX	2 EC	0.15 LB	A/A	MP	0	83	87	80
1 SELECT	2 EC	0.094 LB	A/A	MP	0	85	88	83
1 AMS	100 SG	2.5 LB	A/A	MP	0	87	88	85
2 PHOENIX	2 EC	0.15 LB	A/A	MP	0	85	88	83
2 SELECT	2 EC	0.125 LB	A/A	MP	0	85	88	83
2 AMS	100 SG	2.5 LB	A/A	MP	0	85	88	83
3 PHOENIX	2 EC	0.15 LB	A/A	MP	0	87	88	85
3 SELECT	2 EC	0.094 LB	A/A	MP	0	85	88	85
3 PRO-X	100 L	0.5 QT/A	MP		0	85	88	85
4 PHOENIX	2 EC	0.15 LB	A/A	MP	0	88	90	90
4 SELECT	2 EC	0.125 LB	A/A	MP	0	88	90	90
4 PRO-X	100 L	0.5 QT/A	MP		0	88	90	90
5 PHOENIX	2 EC	0.15 LB	A/A	MP	0	87	88	82
5 SELECT	2 EC	0.094 LB	A/A	MP	0	85	87	82
5 SPREADER HF		0.125 %	V/V	MP	0	50	50	25
6 PHOENIX	2 EC	0.15 LB	A/A	MP	0	83	87	82
6 SELECT	2 EC	0.125 LB	A/A	MP	0	83	87	82
6 SPREADER HF		0.125 %	V/V	MP	0	83	87	82
7 COBRA	2 EC	0.15 LB	A/A	MP	0	85	87	85
7 SELECT	2 EC	0.125 LB	A/A	MP	0	85	87	85
7 COC	L	0.5 QT/A	MP		0	85	87	85
7 AMS	100 SG	2.5 LB	A/A	MP	0	85	87	85
8 FLEXSTAR	1.88 CS	0.19 LB	A/A	MP	0	88	90	83
8 FIRSTRATE	84 W	0.016 LB	A/A	MP	0	90	90	90
8 SELECT	2 EC	0.125 LB	A/A	MP	0	90	90	90
8 COC	L	0.5 QT/A	MP		0	90	90	90
8 AMS	100 SG	2.5 LB	A/A	MP	0	90	90	90
9 SELECT	2 EC	0.094 LB	A/A	MP	0	90	58	50
9 COC	L	1 QT/A	MP		0	10	25	25

09-20-01 (S1017-2)

AOV Means Table Page 2 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code  
Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
ARM Action Codes  
# Subsamples, Dec.

	SETFA	ABUTH	IPOSS		SETFA	ABUTH	IPOSS
	GLXMA				GLXMA		
	INJURY	CONTROL	CONTROL		INJURY	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK		4 WEEK	4 WEEK	4 WEEK
	P	P	P		P	P	P
	0	0	0		0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg						
10 SELECT	2 EC	0.094	LB A/A	MP		0	85	85	87	0	10
10 COBRA	2 EC	0.125	LB A/A	MP							
10 COC	L	1	QT/A	MP							
10 AMS	100 SG	2.5	LB A/A	MP							
11 SELECT	2 EC	0.094	LB A/A	MP		0	87	87	87	0	25
11 PHOENIX	2 EC	0.125	LB A/A	MP							
11 AMS	100 SG	2.5	LB A/A	MP							
12 SELECT	2 EC	0.125	LB A/A	MP		0	87	88	83	0	10
12 PHOENIX	2 EC	0.125	LB A/A	MP							
12 AMS	100 SG	2.5	LB A/A	MP							
13 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	MP		0	75	90	88	0	10
13 SELECT	2 EC	0.094	LB A/A	EP							
13 COC	L	1	QT/A	EP							
14 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	MP		0	85	87	87	0	10
14 S-3153	57.6 WG	0.018	LB A/A	MP							
14 SELECT	2 EC	0.094	LB A/A	EP							
14 COC	L	1	QT/A	EP							
15 V-10078	4.07 SC	1.018	LB A/A	MP		0	85	87	87	0	65
15 COC	L	1	QT/A	MP							
15 AMS	100 SG	2.5	LB A/A	MP							
15 SELECT	2 EC	0.094	LB A/A	EP							
15 COC	L	1	QT/A	EP							
16 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	MP		0	90	87	87	0	85
16 FIRSTRATE	84 W	0.008	LB A/A	MP							
16 SELECT	2 EC	0.094	LB A/A	EP							
16 COC	L	1	QT/A	EP							
17 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	LP		0	92	90	90	0	75
18 VALOR	50 WG	0.063	LB A/A	PRE							
18 ROUNDUP ULTRAMAX	5 SL	1	LB A/A	LP							

09-20-01 (S1017-2)

AOV Means Table Page 3 of 3

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

## SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	ABUTH	IPOSS		SETFA	ABUTH	IPOSS
	GLXMA				GLXMA		
	INJURY	CONTROL	CONTROL		INJURY	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK		4 WEEK	4 WEEK	4 WEEK
	P	P	P		P	P	P
	0	0	0		0	0	0

Trt Treatment	Form Conc	Form Type	Rate	Grow
No. Name			Unit	Stg

19 SQUADRON	2.33	EC	0.87	LB A/A PRE	0	93	95	93	0	85	85	85
19 ROUNDUP ULTRAMAX	5	SL		1 LB A/A LP								

20 CHECK					0	0	0	0	0	0	0	0
----------	--	--	--	--	---	---	---	---	---	---	---	---

LSD (P=.05)					0.0	8.0	19.5	17.4	0.0	0.0	0.0	0.0
Standard Deviation					0.0	4.8	11.8	10.5	0.0	0.0	0.0	0.0
CV					0.0	5.9	14.35	13.21	0.0	0.0	0.0	0.0

09-20-01 (S1017-2)

AOV Means Table Page 1 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	ABUTH	IPOSS
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg			
1 PHOENIX	2 EC	0.15 LB	A/A MP	0	10	85	47	
1 SELECT	2 EC	0.094 LB	A/A MP					
1 AMS	100 SG	2.5 LB	A/A MP					
2 PHOENIX	2 EC	0.15 LB	A/A MP	0	10	85	65	
2 SELECT	2 EC	0.125 LB	A/A MP					
2 AMS	100 SG	2.5 LB	A/A MP					
3 PHOENIX	2 EC	0.15 LB	A/A MP	0	62	75	62	
3 SELECT	2 EC	0.094 LB	A/A MP					
3 PRO-X	100 L	0.5 QT/A	MP					
4 PHOENIX	2 EC	0.15 LB	A/A MP	0	10	25	70	
4 SELECT	2 EC	0.125 LB	A/A MP					
4 PRO-X	100 L	0.5 QT/A	MP					
5 PHOENIX	2 EC	0.15 LB	A/A MP	0	35	25	55	
5 SELECT	2 EC	0.094 LB	A/A MP					
5 SPREADER HF		0.125 % V/V	MP					
6 PHOENIX	2 EC	0.15 LB	A/A MP	0	10	25	63	
6 SELECT	2 EC	0.125 LB	A/A MP					
6 SPREADER HF		0.125 % V/V	MP					
7 COBRA	2 EC	0.15 LB	A/A MP	0	57	85	73	
7 SELECT	2 EC	0.125 LB	A/A MP					
7 COC	L	0.5 QT/A	MP					
7 AMS	100 SG	2.5 LB	A/A MP					
8 FLEXSTAR	1.88 CS	0.19 LB	A/A MP	0	53	90	82	
8 FIRSTRATE	84 W	0.016 LB	A/A MP					
8 SELECT	2 EC	0.125 LB	A/A MP					
8 COC	L	0.5 QT/A	MP					
8 AMS	100 SG	2.5 LB	A/A MP					
9 SELECT	2 EC	0.094 LB	A/A MP	0	10	25	33	
9 COC	L	1 QT/A	MP					

09-20-01 (S1017-2)

AOV Means Table Page 2 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	IPOSS
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Grow Stg			
10 SELECT	2 EC	0.094	LB	A/A	MP	0	10	25
10 COBRA	2 EC	0.125	LB	A/A	MP			
10 COC	L	1	QT/A		MP			
10 AMS	100 SG	2.5	LB	A/A	MP			
11 SELECT	2 EC	0.094	LB	A/A	MP	0	20	25
11 PHOENIX	2 EC	0.125	LB	A/A	MP			
11 AMS	100 SG	2.5	LB	A/A	MP			
12 SELECT	2 EC	0.125	LB	A/A	MP	0	10	10
12 PHOENIX	2 EC	0.125	LB	A/A	MP			
12 AMS	100 SG	2.5	LB	A/A	MP			
13 ROUNDUP ULTRAMAX	5 SL	1	LB	A/A	MP	0	10	25
13 SELECT	2 EC	0.094	LB	A/A	EP			
13 COC	L	1	QT/A		EP			
14 ROUNDUP ULTRAMAX	5 SL	1	LB	A/A	MP	0	10	45
14 S-3153	57.6 WG	0.018	LB	A/A	MP			
14 SELECT	2 EC	0.094	LB	A/A	EP			
14 COC	L	1	QT/A		EP			
15 V-10078	4.07 SC	1.018	LB	A/A	MP	0	50	75
15 COC	L	1	QT/A		MP			
15 AMS	100 SG	2.5	LB	A/A	MP			
15 SELECT	2 EC	0.094	LB	A/A	EP			
15 COC	L	1	QT/A		EP			
16 ROUNDUP ULTRAMAX	5 SL	1	LB	A/A	MP	0	48	85
16 FIRSTRATE	84 W	0.008	LB	A/A	MP			
16 SELECT	2 EC	0.094	LB	A/A	EP			
16 COC	L	1	QT/A		EP			
17 ROUNDUP ULTRAMAX	5 SL	1	LB	A/A	LP	0	58	65
18 VALOR	50 WG	0.063	LB	A/A	PRE	0	53	85
18 ROUNDUP ULTRAMAX	5 SL	1	LB	A/A	LP			82

09-20-01 (S1017-2)

AOV Means Table Page 3 of 3

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

## SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code	SETFA	ABUTH	IPOSS
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
19 SQUADRON	2.33	EC	0.87	LB A/A	PRE
19 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP
20 CHECK			0	0	0
LSD (P=.05)			0.0	8.4	0.0 24.4
Standard Deviation			0.0	5.1	0.0 14.8
CV			0.0	17.51	0.0 22.08

09-20-01 (S1017-2)

Site Description Page 1 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-07-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP. IPOMOEA SP.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702

Planting Date: 05-07-01 Planting Method: DRILLED

Rate: 190000 S/A Depth: 1.25 IN

Row Spacing: 7.5 IN Seed Bed: MEDIUM

Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-15-01

#### SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand: 4	% OM: 4	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP Distance: 1.5 Unit: MI

09-20-01 (S1017-2)

Site Description Page 2 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack**APPLICATION DESCRIPTION**

	A	B	C	D
<b>Application Date:</b>	05-07-01	05-25-01	05-29-01	06-05-01
<b>Time of Day:</b>	10:00	11:00	10:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	EP	MP	LP
<b>Applc. Placement:</b>	BROSOI	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	66 F	56 F	63 F	72 F
<b>% Relative Humidity:</b>	83	70	68	79
<b>Wind Velocity, Unit:</b>	3 MPH	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	67 F	63 F	69 F	70 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	10	20	10

**CROP STAGE AT EACH APPLICATION**

	A	B	C	D
<b>Crop 1 Code, Stage:</b>	GLXMA PRE	GLXMA EP	GLXMA MP	GLXMA LP
<b>Height, Unit:</b>		1 IN	3 IN	5 IN

**WEED STAGE AT EACH APPLICATION**

	A	B	C	D
<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA EP	SETFA MP	SETFA LP
<b>Stage Scale:</b>		2LF	2LF	4LF
<b>Density, Unit:</b>		2 IN	3 IN	5 IN
<b>Weed 2 Code, Stage:</b>	ABUTH PRE	ABUTH EP	ABUTH MP	ABUTH LP
<b>Stage Scale:</b>		2LF	3LF	4LF
<b>Density, Unit:</b>		2 IN	2 IN	5 IN
<b>Weed 3 Code, Stage:</b>	IPOSS PRE	IPOSS EP	IPOSS MP	IPOSS LP
<b>Stage Scale:</b>		2LF	2LF	3LF
<b>Density, Unit:</b>		1 IN	2 IN	3 IN

09-20-01 (S1017-2)

Site Description Page 3 of 3

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2                    Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.              Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	ATV	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	30	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2	CO2

09-20-01 (S1024)

AOV Means Table Page 1 of 2

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

## SOYBEAN POSTEMERGENCE VI

Trial ID: S1024

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	IPOSS	CHEAL	AMBTR	SETFA	IPOSS	CHEAL	AMBTR
	GLXMA	GLXMA	GLXMA	GLXMA				
INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT								
2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS				

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	0	0	0	0	0	0	0	0	0
1 ROUNDUP ULTRAMAX 1 AMS	5 SL 100 SG	1 LB 2 % W/W	A/A 6"W	6"W		0	98	90	97	97	0	92	85	95	90
2 TOUCHDOWN IQ	4 SL	1 LB	A/A	6"W		0	98	88	98	97	0	93	85	92	85
3 EXTREME 3 AMS 3 ACTIVATOR 90	2.17 EC 100 SG	0.814 LB 0.25 % V/V	A/A V/V	6"W		2	100	92	100	100	2	95	88	100	100
4 GLYPHOMAX PLUS	4 SL	1 LB	A/A	6"W		0	98	88	98	98	0	95	80	98	90
5 FIRSTRATE 5 ROUNDUP ULTRAMAX 5 AMS	84 W 5 SL 100 SG	0.008 LB 0.75 LB 2 % W/W	A/A A/A 6"W	6"W		0	98	92	93	98	0	93	90	87	98
6 ROUNDUP ULTRAMAX 6 AMS	5 SL 100 SG	1 LB 2 % W/W	A/A 10"W	10"W		0	95	90	97	100	0	92	88	93	95
7 TOUCHDOWN IQ	4 SL	1 LB	A/A	10"W		0	98	88	98	100	0	95	87	98	100
8 EXTREME 8 AMS 8 ACTIVATOR 90	2.17 EC 100 SG	0.814 LB 0.25 % V/V	A/A V/V	10"W		7	100	95	100	100	5	100	95	100	95
9 GLYPHOMAX PLUS	4 SL	1 LB	A/A	10"W		0	100	90	95	100	0	95	85	95	100
10 FIRSTRATE 10 ROUNDUP ULTRAMAX 10 AMS	84 W 5 SL 100 SG	0.008 LB 0.75 LB 2 % W/W	A/A A/A 10"W	10"W		0	100	90	95	100	0	98	90	95	100
11 ROUNDUP ULTRAMAX 11 AMS	5 SL 100 SG	1 LB 2 % W/W	A/A 16"W	16"W		0	98	87	95	100	0	95	78	95	100
12 TOUCHDOWN IQ	4 SL	1 LB	A/A	16"W		0	98	87	98	98	0	95	82	98	98
13 EXTREME 13 AMS 13 ACTIVATOR 90	2.17 EC 100 SG	0.814 LB 0.25 % V/V	A/A V/V	16"W		5	100	85	97	95	0	95	83	97	95

09-20-01 (S1024)

AOV Means Table Page 2 of 2

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

## SOYBEAN POSTEMERGENCE VI

Trial ID: S1024

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	IPOSS	CHEAL	AMBTR		SETFA	IPOSS	CHEAL	AMBTR
	GLXMA	GLXMA	GLXMA	GLXMA	t				
INJURY	CONTROL	CONTROL	CONTROL	CONTROL		INJURY	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT	PERCENT
2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS		4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GLYPHOMAX PLUS	4 SL		1 LB	A/A	16"W	0	100	88	97	92	0	95	82	97	97	92		
15 FIRSTRATE	84 W		0.008 LB	A/A	16"W	2	100	88	97	100	0	95	87	95	95	97		
15 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	16"W													
15 AMS	100 SG		2 % W/W		16"W													
16 CHECK						0	0	0	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						2.1	3.6	5.2	5.6	4.9	1.2	2.7	4.6	5.6	4.8			
Standard Deviation						1.3	2.1	3.1	3.4	2.9	0.7	1.6	2.8	3.3	2.9			
CV						133.33	2.31	3.75	3.69	3.19	173.21	1.79	3.45	3.73	3.18			

09-20-01 (S1024)

AOV Means Table Page 1 of 2

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

## SOYBEAN POSTEMERGENCE VI

Trial ID: S1024      Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY.      Investigator: Charles Slack

Weed Code		SETFA	IPOSS	CHEAL	AMBTR
Crop Code		GLXMA			
Rating Data Type		INJURY	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes		P	P	P	P
# Subsamples, Dec.		0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	IPOSS	CHEAL	AMBTR
1 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	6"W	0	90	67	90
1 AMS		100 SG		2 %	W/W	.6"W				
2 TOUCHDOWN IQ		4 SL		1 LB	A/A	6"W	0	90	72	90
3 EXTREME		2.17 EC		0.814 LB	A/A	6"W	0	92	88	95
3 AMS		100 SG		2 %	W/W	6"W				
3 ACTIVATOR 90				0.25 %	V/V	6"W				
4 GLYPHOMAX PLUS		4 SL		1 LB	A/A	6"W	0	95	77	95
5 FIRSTRATE		84 W		0.008 LB	A/A	6"W	0	93	88	68
5 ROUNDUP ULTRAMAX		5 SL		0.75 LB	A/A	6"W				
5 AMS		100 SG		2 %	W/W	6"W				
6 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	10"W	0	88	82	93
6 AMS		100 SG		2 %	W/W	10"W				
7 TOUCHDOWN IQ		4 SL		1 LB	A/A	10"W	0	92	85	95
8 EXTREME		2.17 EC		0.814 LB	A/A	10'W	0	93	95	95
8 AMS		100 SG		2 %	W/W	10'W				
8 ACTIVATOR 90				0.25 %	V/V	10'W				
9 GLYPHOMAX PLUS		4 SL		1 LB	A/A	10'W	0	90	85	93
10 FIRSTRATE		84 W		0.008 LB	A/A	10'W	0	92	85	93
10 ROUNDUP ULTRAMAX		5		0.75 LB	A/A	10'W				
10 AMS		100 SG		2 %	W/W	10'W				
11 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	16"W	0	90	75	93
11 AMS		100 SG		2 %	W/W	16"W				
12 TOUCHDOWN IQ		4 SL		1 LB	A/A	16"W	0	90	75	95
13 EXTREME		2.17 EC		0.814 LB	A/A	16'W	0	90	83	93
13 AMS		100 SG		2 %	W/W	16'W				
13 ACTIVATOR 90				0.25 %	V/V	16'W				

09-20-01 (S1024)

AOV Means Table Page 2 of 2

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

## SOYBEAN POSTEMERGENCE VI

Trial ID: S1024

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

SETFA IPOSS CHEAL AMBTR

GLXMA

INJURY CONTROL CONTROL CONTROL CONTROL

PERCENT PERCENT PERCENT PERCENT PERCENT

8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS 8 WEEKS

P P P P P

0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
14 GLYPHOMAX PLUS	4 SL		1 LB	A/A	16"W	0	90	75	95
15 FIRSTRATE	84 W	0.008	LB	A/A	16"W	0	87	85	93
15 ROUNDUP ULTRAMAX	5 SL	0.75	LB	A/A	16"W				
15 AMS	100 SG	2 %	W/W		16"W				
16 CHECK						0	0	0	0
LSD (P=.05)						0.0	3.1	3.2	3.2
Standard Deviation						0.0	1.9	1.9	1.9
CV						0.0	2.18	2.51	2.22
									2.48

09-20-01 (S1024)

Site Description Page 1 of 3

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S1024 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546  
**Investigator:** Charles Slack

**TRIAL LOCATION**

**City:** LEXINGTON                           **Trial Status:** COMPLETE  
**State/Prov.:** KY                           **Initiation Date:** 05-07-01  
**Postal Code:** 40511  
**Country:** USA

Conducted Under GLP (Y/N): N                           Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.

**Crop 1:** GLXMA SOYBEAN                           **Variety:** ASGROW AG4702  
**Planting Date:** 05-04-01                           **Planting Method:** ROW  
**Rate:** 190000 S/A                                   **Depth:** 1.25 IN  
**Row Spacing:** 30 IN                                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 70 F                               **Soil Moisture:** NORMAL                           **Emergence Date:** 05-14-01

**SITE AND DESIGN**

**Plot Width, Unit:** 5 FT                           **Plot Length, Unit:** 44 FT                           **Reps:** 3  
   **Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

**% Sand:** 6                   **% OM:** 2.6                           **Texture:** SILT LOAM  
**% Silt:** 64                   **pH:** 6.5                           **Soil Name:** MAURY  
**% Clay:** 32                   **CEC:** 17                           **Fert. Level:** EXCELLENT

**Overall Moisture Conditions:** NORMAL                                   **Distance:** 1.5                                   **Unit:** MI  
**Closest Weather Station:** SPINDLETOP

09-20-01 (S1024)

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

Site Description Page 2 of 3

## SOYBEAN POSTEMERGENCE VI

Trial ID: S1024 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

**APPLICATION DESCRIPTION**

	A	B	C
--	---	---	---

<b>Application Date:</b>	06-03-01	06-05-01	06-08-01
<b>Time of Day:</b>	10:00	1:00	3:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	6"W	10"W	16"W
<b>Appl. Placement:</b>	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	58 F	72 F	68 F
<b>% Relative Humidity:</b>	73	79	76
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	63 F	72 F	68 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	10	20

**CROP STAGE AT EACH APPLICATION**

	A	B	C
--	---	---	---

<b>Crop 1 Code, Stage:</b>	GLXMA 6"W	GLXMA 10"W	GLXMA 16"W
<b>Height, Unit:</b>	4 IN	6 IN	8 IN

**WEED STAGE AT EACH APPLICATION**

	A	B	C
--	---	---	---

<b>Weed 1 Code, Stage:</b>	SETFA 6"W	SETFA 10"W	SETFA 16"W
<b>Stage Scale:</b>	3LF	4LF	6LF
<b>Density, Unit:</b>	4 IN	6 IN	8 IN
<b>Weed 2 Code, Stage:</b>	IPOSS 6"W	IPOSS 10"W	IPOSS 16"W
<b>Stage Scale:</b>	4LF	6LF	8LF
<b>Density, Unit:</b>	4 IN	5 IN	7 IN
<b>Weed 3 Code, Stage:</b>	CHEAL 6"W	CHEAL 10"W	CHEAL 16"W
<b>Stage Scale:</b>	4LF	6LF	7LF
<b>Density, Unit:</b>	5 IN	8 IN	9 IN
<b>Weed 4 Code, Stage:</b>	AMBTR 6"W	AMBTR 10"W	AMBTR 16"W
<b>Stage Scale:</b>	8LF	10LF	10LF
<b>Density, Unit:</b>	7 IN	10 IN	11 IN

09-20-01 (S1024)

Site Description Page 3 of 3

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S1024

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	ATV	BACKPACK	BACKPACK
Operating Pressure:	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

09-20-01 (S1018)

AOV Means Table Page 1 of 5

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

## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR
Crop Code	GLXMA			GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	98	96	96	0	98	96	96
1 PROWL	3.3 EC	0.99 LB	A/A	2WK		0	98	96	96	0	98	96	96
1 EXTREME	2.17 EC	0.814 LB	A/A	2WK									
1 AMS	100 SG	2 %	W/W	2WK									
1 SPREADER HF		0.125 %	V/V	2WK									
1 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
2 PROWL	3.3 EC	0.99 LB	A/A	PRE		0	95	95	96	0	95	95	96
2 EXTREME	2.17 EC	0.814 LB	A/A	PRE									
2 AMS	100 SG	2 %	W/W	PRE									
2 SPREADER HF		0.125 %	V/V	PRE									
2 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
3 EXTREME	2.17 EC	0.814 LB	A/A	2WK		0	99	98	99	0	99	98	99
3 SPREADER HF		0.125 %	V/V	2WK									
3 AMS	100 SG	2 %	W/W	2WK									
3 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
4 EXTREME	2.17 EC	0.814 LB	A/A	PRE		0	99	99	99	0	99	99	99
4 SPREADER HF		0.125 %	V/V	PRE									
4 AMS	100 SG	2 %	W/W	PRE									
4 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
5 BACKDRAFT	1.5 E	0.94 LB	A/A	2WK		0	98	96	96	0	98	96	96
5 SPREADER HF		0.125 %	V/V	2WK									
5 AMS	100 SG	2 %	W/W	2WK									
5 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
6 BACKDRAFT	1.5 E	0.94 LB	A/A	PRE		0	98	99	100	0	98	99	100
6 SPREADER HF		0.125 %	V/V	PRE									
6 AMS	100 SG	2 %	W/W	PRE									
6 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
7 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK		0	96	98	98	0	96	98	98
7 AMS	100 SG	2 %	W/W	2WK									
7 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP									
7 AMS	100 SG	2 %	W/W	28DAP									

Dept. of Agronomy, Univ. of Ky  
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## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code  
 Crop Code  
 Rating Data Type  
 Rating Unit  
 Trt-Eval Interval  
 ARM Action Codes  
 # Subsamples, Dec.

	SETFA	CHEAL	AMBTR		SETFA	CHEAL	AMBTR									
	GLXMA	GLXMA		INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	PERCENT						
				2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	2 WEEKS	21DAP	35DAP	4 WEEKS	
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	99	100	100	0	99	100	100	0	95	95	99	0	95	95	99
8 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	99	100	100	0	99	100	100								
8 AMS	100 SG		2 % W/W	2WK																	
8 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	21DAP																	
8 AMS	100 SG		2 % W/W	21DAP																	
8 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	35DAP																	
8 AMS	100 SG		2 % W/W	35DAP																	
9 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	95	95	99	0	95	95	99								
9 PROWL	3.3 EC		0.99 LB	A/A	2WK																
9 AMS	100 SG		2 % W/W	2WK																	
9 EXTREME	2.17 EC		0.814 LB	A/A	21DAP																
9 SPREADER HF			0.125 %	V/V	21DAP																
9 AMS	100 SG		2 % W/W	21DAP																	
10 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	96	94	95	0	96	94	95								
10 AMS	100 SG		2 % W/W	2WK																	
10 EXTREME	2.17 EC		0.814 LB	A/A	21DAP																
10 SPREADER HF			0.125 %	V/V	21DAP																
10 AMS	100 SG		2 % W/W	21DAP																	
11 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	100	99	99	0	100	99	99								
11 SQUADRON	2.33 EC		0.87 LB	A/A	2WK																
11 AMS	100 SG		2 % W/W	2WK																	
11 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	28DAP																
11 AMS	100 SG		2 % W/W	28DAP																	
12 DOMAIN	60 DF		0.38 LB	A/A	1WK		0	94	95	96	0	94	95	96							
12 WEEDONE LV4	3.8 E		0.5 LB	A/A	1WK																
12 COC	L		1 QT/A		1WK																
12 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP																
12 AMS	100 SG		2 % W/W	LP																	
13 DOMAIN	60 DF		0.49 LB	A/A	1WK		0	98	94	94	0	98	94	94							
13 WEEDONE LV4	3.8 E		0.5 LB	A/A	1WK																
13 COC	L		1 QT/A		1WK																
13 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP																
13 AMS	100 SG		2 % W/W	LP																	

09-20-01 (S1018)

AOV Means Table Page 3 of 5

Dept. of Agronomy, Univ. of Ky  
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## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	CHEAL	AMBTR		SETFA	CHEAL	AMBTR
	GLXMA			GLXMA			
	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
	P	P	P	P	P	P	P
	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	0	96	95	98	0	96	95	98
14 DOMAIN	60 DF		0.6 LB	A/A 1WK								
14 WEEDONE LV4	3.8 E		0.5 LB	A/A 1WK								
14 COC	L		1 QT/A	1WK								
14 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A LP								
14 AMS	100 SG		2 8	W/W LP								
15 SENCOR	75 DF		0.28 LB	A/A 1WK	0	93	93	96	0	93	93	96
15 AUTHORITY	75 DF		0.09 LB	A/A 1WK								
15 WEEDONE LV4	3.8 E		0.5 LB	A/A 1WK								
15 COC	L		1 QT/A	1WK								
15 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A LP								
15 AMS	100 SG		2 8	W/W LP								
16 SENCOR	75 DF		0.28 LB	A/A 1WK	0	99	98	99	0	99	98	99
16 FIRSTRATE	84 W		0.02 LB	A/A 1WK								
16 WEEDONE LV4	3.8 E		0.5 LB	A/A 1WK								
16 COC	L		1 QT/A	1WK								
16 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A LP								
16 AMS	100 SG		2 8	W/W LP								
17 SENCOR	75 DF		0.28 LB	A/A 1WK	0	98	98	99	0	98	98	99
17 CANOPY XL												
17 AUTHORITY	75 DF		0.123 LB	A/A 1WK								
17 CLASSIC	25 DF		0.02 LB	A/A 1WK								
17 WEEDONE LV4	3.8 E		0.5 LB	A/A 1WK								
17 COC	L		1 QT/A	1WK								
17 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A LP								
17 AMS	100 SG		2 8	W/W LP								
18 CLARITY	4 E		0.5 LB	A/A 2WK	15	96	95	100	15	96	95	100
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 2WK								
18 AMS	100 SG		2 8	W/W 2WK								
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP								
18 AMS	100 SG		2 8	W/W LP								

09-20-01 (S1018)

AOV Means Table Page 4 of 5

Dept. of Agronomy, Univ. of Ky  
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## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR
Crop Code	GLXMA			GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	65	95	90	96	65	95	90	96
19 CLARITY	4 E	0.5 LB	A/A 1WK										
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 1WK										
19 AMS	100 SG	2 % W/W	1WK										
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
19 AMS	100 SG	2 % W/W	LP										
20 CLARITY	4 E	0.25 LB	A/A 1WK			25	93	91	96	15	93	91	96
20 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 1WK										
20 AMS	100 SG	2 % W/W	1WK										
20 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
20 AMS	100 SG	2 % W/W	LP										
21 CLARITY	4 E	0.25 LB	A/A PRE			59	94	90	96	53	94	90	96
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A PRE										
21 AMS	100 SG	2 % W/W	PRE										
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
21 AMS	100 SG	2 % W/W	LP										
22 DISTINCT	70 WG	0.175 LB	A/A 2WK			14	96	94	96	14	96	94	96
22 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
22 AMS	100 SG	2 % W/W	LP										
23 DISTINCT	70 WG	0.09 LB	A/A 2WK			9	99	99	100	13	99	99	100
23 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
23 AMS	100 SG	2 % W/W	LP										
24 DISTINCT	70 WG	0.175 LB	A/A 1WK			43	93	91	95	36	93	91	95
24 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
24 AMS	100 SG	2 % W/W	LP										
25 DISTINCT	70 WG	0.09 LB	A/A 1WK			11	96	96	96	11	96	96	96
25 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP										
25 AMS	100 SG	2 % W/W	LP										
26 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A PRE			0	96	96	96	0	96	96	96
26 AMS	100 SG	2 % W/W	PRE										
26 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP										
26 AMS	100 SG	2 % W/W	LP										

09-20-01 (S1018)

AOV Means Table Page 5 of 5

Dept. of Agronomy, Univ. of Ky  
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## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR
Crop Code	GLXMA	GLXMA		GLXMA	GLXMA	
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
27 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE		0	100	99	100
27 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	LP					
28 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE		0	96	93	96
28 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	LP					
29 BASAGRAN	4 E	1 LB	A/A	LP		0	90	53	96
29 FLEXSTAR	1.88 CS	0.24 LB	A/A	LP					
29 COC	L	1 QT/A		LP					
29 WEED MAK									
30 POAST PLUS	1 E	0.25 LB	A/A	LP		0	90	28	28
30 BASAGRAN	4 E	1 LB	A/A	LP					
30 COC	L	1 QT/A		LP					
30 WEED MAK									
LSD (P=.05)		2.8	4.1	5.6	5.0	2.2	4.1	5.6	5.0
Standard Deviation		2.0	2.9	4.0	3.5	1.5	2.9	4.0	3.5
CV		24.77	3.0	4.34	3.69	20.76	3.0	4.34	3.69

09-20-01 (S1018)

AOV Means Table Page 1 of 5

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

## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 PROWL	3.3 EC	0.99 LB	A/A	2WK		0	98	96	96
1 EXTREME	2.17 EC	0.814 LB	A/A	2WK					
1 AMS	100 SG	2	%	W/W	2WK				
1 SPREADER HF		0.125	%	V/V	2WK				
1 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
2 PROWL	3.3 EC	0.99 LB	A/A	PRE		0	95	95	96
2 EXTREME	2.17 EC	0.814 LB	A/A	PRE					
2 AMS	100 SG	2	%	W/W	PRE				
2 SPREADER HF		0.125	%	V/V	PRE				
2 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
3 EXTREME	2.17 EC	0.814 LB	A/A	2WK		0	99	98	99
3 SPREADER HF		0.125	%	V/V	2WK				
3 AMS	100 SG	2	%	W/W	2WK				
3 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
4 EXTREME	2.17 EC	0.814 LB	A/A	PRE		0	99	99	99
4 SPREADER HF		0.125	%	V/V	PRE				
4 AMS	100 SG	2	%	W/W	PRE				
4 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
5 BACKDRAFT	1.5 E	0.94 LB	A/A	2WK		0	98	96	96
5 SPREADER HF		0.125	%	V/V	2WK				
5 AMS	100 SG	2	%	W/W	2WK				
5 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
6 BACKDRAFT	1.5 E	0.94 LB	A/A	PRE		0	98	99	100
6 SPREADER HF		0.125	%	V/V	PRE				
6 AMS	100 SG	2	%	W/W	PRE				
6 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
7 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK		0	96	98	98
7 AMS	100 SG	2	%	W/W	2WK				
7 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP					
7 AMS	100 SG	2	%	W/W	28DAP				

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

## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
8 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK	0	99	100	100	
8 AMS	100 SG	2 %	W/W	2WK					
8 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	21DAP					
8 AMS	100 SG	2 %	W/W	21DAP					
8 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	35DAP					
8 AMS	100 SG	2 %	W/W	35DAP					
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK	0	95	95	99	
9 PROWL	3.3 EC	0.99 LB	A/A	2WK					
9 AMS	100 SG	2 %	W/W	2WK					
9 EXTREME	2.17 EC	0.814 LB	A/A	21DAP					
9 SPREADER HF		0.125 %	V/V	21DAP					
9 AMS	100 SG	2 %	W/W	21DAP					
10 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK	0	96	94	95	
10 AMS	100 SG	2 %	W/W	2WK					
10 EXTREME	2.17 EC	0.814 LB	A/A	21DAP					
10 SPREADER HF		0.125 %	V/V	21DAP					
10 AMS	100 SG	2 %	W/W	21DAP					
11 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK	0	100	99	99	
11 SQUADRON	2.33 EC	0.87 LB	A/A	2WK					
11 AMS	100 SG	2 %	W/W	2WK					
11 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
11 AMS	100 SG	2 %	W/W	28DAP					
12 DOMAIN	60 DF	0.38 LB	A/A	1WK	0	94	95	96	
12 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK					
12 COC	L	1 QT/A		1WK					
12 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
12 AMS	100 SG	2 %	W/W	LP					
13 DOMAIN	60 DF	0.49 LB	A/A	1WK	0	98	94	94	
13 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK					
13 COC	L	1 QT/A		1WK					
13 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
13 AMS	100 SG	2 %	W/W	LP					

09-20-01 (S1018)

AOV Means Table Page 3 of 5

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

## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
14 DOMAIN	60 DF	0.6 LB	A/A	1WK		0	96	95	98
14 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK					
14 COC	L	1 QT/A		1WK					
14 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
14 AMS	100 SG	2 %	W/W	LP					
15 SENCOR	75 DF	0.28 LB	A/A	1WK		0	93	93	96
15 AUTHORITY	75 DF	0.09 LB	A/A	1WK					
15 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK					
15 COC	L	1 QT/A		1WK					
15 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
15 AMS	100 SG	2 %	W/W	LP					
16 SENCOR	75 DF	0.28 LB	A/A	1WK		0	99	98	99
16 FIRSTRATE	84 W	0.02 LB	A/A	1WK					
16 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK					
16 COC	L	1 QT/A		1WK					
16 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
16 AMS	100 SG	2 %	W/W	LP					
17 SENCOR	75 DF	0.28 LB	A/A	1WK		0	98	98	99
17 CANOPY XL									
17 AUTHORITY	75 DF	0.123 LB	A/A	1WK					
17 CLASSIC	25 DF	0.02 LB	A/A	1WK					
17 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK					
17 COC	L	1 QT/A		1WK					
17 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
17 AMS	100 SG	2 %	W/W	LP					
18 CLARITY	4 E	0.5 LB	A/A	2WK		5	96	95	100
18 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	2WK					
18 AMS	100 SG	2 %	W/W	2WK					
18 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
18 AMS	100 SG	2 %	W/W	LP					

09-20-01 (S1018)

AOV Means Table Page 4 of 5

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

## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code		SETFA	CHEAL	AMBTR
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
19 CLARITY	4 E	0.5 LB	A/A	1WK		54	95	90	96
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	1WK					
19 AMS	100 SG	2 %	W/W	1WK					
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
19 AMS	100 SG	2 %	W/W	LP					
20 CLARITY	4 E	0.25 LB	A/A	1WK		6	93	91	96
20 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	1WK					
20 AMS	100 SG	2 %	W/W	1WK					
20 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
20 AMS	100 SG	2 %	W/W	LP					
21 CLARITY	4 E	0.25 LB	A/A	PRE		44	94	90	96
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
21 AMS	100 SG	2 %	W/W	PRE					
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
21 AMS	100 SG	2 %	W/W	LP					
22 DISTINCT	70 WG	0.175 LB	A/A	2WK		5	96	94	96
22 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
22 AMS	100 SG	2 %	W/W	LP					
23 DISTINCT	70 WG	0.09 LB	A/A	2WK		6	99	99	100
23 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
23 AMS	100 SG	2 %	W/W	LP					
24 DISTINCT	70 WG	0.175 LB	A/A	1WK		28	93	91	95
24 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
24 AMS	100 SG	2 %	W/W	LP					
25 DISTINCT	70 WG	0.09 LB	A/A	1WK		5	96	96	96
25 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP					
25 AMS	100 SG	2 %	W/W	LP					
26 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	96	96	96
26 AMS	100 SG	2 %	W/W	PRE					
26 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP					
26 AMS	100 SG	2 %	W/W	LP					

09-20-01 (S1018)

AOV Means Table Page 5 of 5

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

## NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg			
27 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE	0	100	99	100
27 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	LP				
28 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE	0	96	93	96
28 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	LP				
29 BASAGRAN	4 E	1 LB	A/A	LP	0	90	53	96
29 FLEXSTAR	1.88 CS	0.24 LB	A/A	LP				
29 COC	L	1 QT/A		LP				
29 WEED MAK								
30 POAST PLUS	1 E	0.25 LB	A/A	LP	0	90	28	28
30 BASAGRAN	4 E	1 LB	A/A	LP				
30 COC	L	1 QT/A		LP				
30 WEED MAK								
LSD (P=.05)		2.6	4.1	5.6	5.0			
Standard Deviation		1.8	2.9	4.0	3.5			
CV		36.07	3.0	4.34	3.69			

09-20-01 (S1018)

Site Description Page 1 of 3

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

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-02-01  
Country: USA

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702

Planting Date: 05-14-01 Planting Method: DRILLED

Rate: 200000 S/A Depth: 1.25 IN

Row Spacing: 7.5 IN Seed Bed: MEDIUM

Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-22-01

#### SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 33 FT Reps: 4

Site Type: FIELD

Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand:	6	% OM:	4.0	Texture:	SILT LOAM
% Silt:	63	pH:	6.5	Soil Name:	LANTON
% Clay:	30	CEC:	22	Fert. Level:	EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP Distance: 1.5 Unit: MI

09-20-01 (S1018)

Site Description Page 2 of 3

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

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack**APPLICATION DESCRIPTION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
<b>Application Date:</b>	05-02-01	05-08-01	05-14-01	06-05-01	06-19-01	06-19-01	06-19-01
<b>Time of Day:</b>	10:00	10:00	1:00	10:00	10:00	1:00	3:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	2WK	1WK	PRE	21DAP	28DAP	35DAP	LP
<b>Appl. Placement:</b>	BROSOI	BROSOI	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	67 F	66 F	60 F	72 F	75 F	75 F	75 F
<b>% Relative Humidity:</b>	69	71	56	79	64	64	64
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	3 MPH	3 MPH	3 MPH	4 MPH	3 MPH
<b>Dew Presence (Y/N):</b>	N	N	N	N	N	N	N
<b>Soil Temp., Unit:</b>	66 F	68 F	66 F	70 F	76 F	76 F	76 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	20	10	10	10	20	20	20

**CROP STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>Crop 1 Code, Stage:</b>	GLXMA 2WK	GLXMA 1WK	GLXMA PRE	GLXMA 21DAP	GLXMA 28DAP	GLXMA 35DAP
<b>Height, Unit:</b>				3 IN	5 IN	5 IN

**G**

**Crop 1 Code, Stage:** GLXMA LP  
**Height, Unit:** 5 IN
**WEED STAGE AT EACH APPLICATION**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>Weed 1 Code, Stage:</b>	SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA 21DAP	SETFA 28DAP	SETFA 35DAP
<b>Stage Scale:</b>				3LF	4LF	4LF
<b>Density, Unit:</b>				4 IN	5 IN	5 IN
<b>Weed 2 Code, Stage:</b>	CHEAL 2WK	CHEAL 1WK	CHEAL PRE	CHEAL 21DAP	CHEAL 28DAP	CHEAL 35DAP
<b>Stage Scale:</b>				2LF	3LF	3LF
<b>Density, Unit:</b>				3 IN	4 IN	4 IN
<b>Weed 3 Code, Stage:</b>	AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR 21DAP	AMBTR 28DAP	AMBTR 35DAP
<b>Stage Scale:</b>			2LF	4LF	5LF	5LF
<b>Density, Unit:</b>			1 IN	4 IN	5 IN	5 IN

09-20-01 (S1018)

Site Description Page 3 of 3

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

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

G

Weed 1 Code, Stage: SETFA LP

Stage Scale: 4LF

Density, Unit: 5 IN

Weed 2 Code, Stage: CHEAL LP

Stage Scale: 3LF

Density, Unit: 4 IN

Weed 3 Code, Stage: AMBTR LP

Stage Scale: 5LF

Density, Unit: 5 IN

APPLICATION EQUIPMENT

	A	B	C	D	E	F	G
Appl. Equipment:	ATV	ATV	ATV	BACKPACK	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	30	30	30	30	30	30	30
Nozzle Type:	FLAT FAN						
Nozzle Size:	8004 DG						
Nozzle Spacing, Unit:	20 IN						
Boom Length, Unit:	5 FT						
Boom Height, Unit:	19 IN	19 IN	19 IN	20 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER						
Spray Volume, Unit:	24 GPA						
Propellant:	CO2						

09-20-01 (S1019)

AOV Means Table Page 1 of 5

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR
Crop Code	GLXMA			GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	GLXMA	INJURY	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL
						P	PERCENT	PERCENT	PERCENT	P	PERCENT	PERCENT	PERCENT
1 PROWL	3.3 EC		0.99	LB A/A	2WK	0	99	99	94	0	99	99	94
1 EXTREME	2.17 EC		0.814	LB A/A	2WK								
1 AMS	100 SG			2 %	W/W	2WK							
1 SPREADER HF			0.125	%	V/V	2WK							
1 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	28DAP								
2 PROWL	3.3 EC		0.99	LB A/A	PRE	0	100	99	95	0	100	99	95
2 EXTREME	2.17 EC		0.814	LB A/A	PRE								
2 AMS	100 SG			2 %	W/W	PRE							
2 SPREADER HF			0.125	%	V/V	PRE							
2 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	28DAP								
3 EXTREME	2.17 EC		0.814	LB A/A	2WK	0	95	96	99	0	95	96	99
3 SPREADER HF			0.125	%	V/V	2WK							
3 AMS	100 SG			2 %	W/W	2WK							
3 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	28DAP								
4 EXTREME	2.17 EC		0.814	LB A/A	PRE	0	96	98	99	0	96	98	99
4 SPREADER HF			0.125	%	V/V	PRE							
4 AMS	100 SG			2 %	W/W	PRE							
4 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	28DAP								
5 BACKDRAFT	1.5 E		0.94	LB A/A	2WK	0	95	95	100	0	95	95	100
5 SPREADER HF			0.125	%	V/V	2WK							
5 AMS	100 SG			2 %	W/W	2WK							
5 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	28DAP								
6 BACKDRAFT	1.5 E		0.94	LB A/A	PRE	0	95	95	100	0	95	95	100
6 SPREADER HF			0.125	%	V/V	PRE							
6 AMS	100 SG			2 %	W/W	PRE							
6 ROUNDUP ULTRAMAX	5 SL		0.75	LB A/A	28DAP								
7 ROUNDUP ULTRAMAX	5 SL		1	LB A/A	2WK	0	96	93	98	0	96	93	98
7 AMS	100 SG		2 %	W/W	2WK								
7 ROUNDUP ULTRAMAX	5 SL		1	LB A/A	28DAP								
7 AMS	100 SG		2 %	W/W	28DAP								

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	CHEAL	AMBTR		SETFA	CHEAL	AMBTR
Crop Code		GLXMA			GLXMA			
Rating Data Type		INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes		P	P	P	P	P	P	P
# Subsamples, Dec.		0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	100	98	99	0	100	98	99
8 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	2WK			0	100	98	99	0	100	98	99
8 AMS	100 SG	2 % W/W	2WK										
8 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	21DAP										
8 AMS	100 SG	2 % W/W	21DAP										
8 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	35DAP										
8 AMS	100 SG	2 % W/W	35DAP										
9 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	2WK			0	99	100	98	0	99	100	98
9 PROWL	3.3 EC	0.99 LB	A/A	2WK									
9 AMS	100 SG	2 % W/W	2WK										
9 EXTREME	2.17 EC	0.814 LB	A/A	21DAP									
9 SPREADER HF		0.125 % V/V		21DAP									
9 AMS	100 SG	2 % W/W	21DAP										
10 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	2WK			0	98	93	98	0	98	93	98
10 AMS	100 SG	2 % W/W	2WK										
10 EXTREME	2.17 EC	0.814 LB	A/A	21DAP									
10 SPREADER HF		0.125 % V/V		21DAP									
10 AMS	100 SG	2 % W/W	21DAP										
11 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	2WK			0	99	100	100	0	99	100	100
11 SQUADRON	2.33 EC	0.87 LB	A/A	2WK									
11 AMS	100 SG	2 % W/W	2WK										
11 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP									
11 AMS	100 SG	2 % W/W	28DAP										
12 DOMAIN	60 DF	0.38 LB	A/A	1WK		0	95	94	95	0	95	94	95
12 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK									
12 COC	L	1 QT/A		1WK									
12 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP									
12 AMS	100 SG	2 % W/W		LP									
13 DOMAIN	60 DF	0.49 LB	A/A	1WK		0	98	98	98	0	98	98	98
13 WEEDONE LV4	3.8 E	0.5 LB	A/A	1WK									
13 COC	L	1 QT/A		1WK									
13 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP									
13 AMS	100 SG	2 % W/W		LP									

09-20-01 (S1019)

AOV Means Table Page 3 of 5

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR
Crop Code	GLXMA			GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	98	95	96	0	98	95	96
14 DOMAIN	60 DF		0.6 LB	A/A	1WK								
14 WEEDONE LV4	3.8 E		0.5 LB	A/A	1WK								
14 COC	L		1 QT/A		1WK								
14 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP								
14 AMS	100 SG		2 8	W/W	LP								
15 SENCOR	75 DF		0.28 LB	A/A	1WK	0	99	93	100	0	99	93	100
15 AUTHORITY	75 DF		0.09 LB	A/A	1WK								
15 WEEDONE LV4	3.8 E		0.5 LB	A/A	1WK								
15 COC	L		1 QT/A		1WK								
15 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP								
15 AMS	100 SG		2 8	W/W	LP								
16 SENCOR	75 DF		0.28 LB	A/A	1WK	0	98	95	100	0	98	95	100
16 FIRSTRATE	84 W		0.02 LB	A/A	1WK								
16 WEEDONE LV4	3.8 E		0.5 LB	A/A	1WK								
16 COC	L		1 QT/A		1WK								
16 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP								
16 AMS	100 SG		2 8	W/W	LP								
17 SENCOR	75 DF		0.28 LB	A/A	1WK	0	98	94	100	0	98	94	100
17 CANOPY XL													
17 AUTHORITY	75 DF		0.123 LB	A/A	1WK								
17 CLASSIC	25 DF		0.02 LB	A/A	1WK								
17 WEEDONE LV4	3.8 E		0.5 LB	A/A	1WK								
17 COC	L		1 QT/A		1WK								
17 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP								
17 AMS	100 SG		2 8	W/W	LP								
18 CLARITY	4 E		0.5 LB	A/A	2WK	30	95	94	96	30	95	94	96
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	2WK								
18 AMS	100 SG		2 8	W/W	2WK								
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
18 AMS	100 SG		2 8	W/W	LP								

09-20-01 (S1019)

AOV Means Table Page 4 of 5

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA CHEAL AMBTR SETFA CHEAL AMBTR

Crop Code

GLXMA GLXMA

Rating Data Type

INJURY CONTROL CONTROL CONTROL INJURY CONTROL CONTROL CONTROL

Rating Unit

PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT PERCENT

Trt-Eval Interval

2 WEEKS 2 WEEKS 2 WEEKS 2 WEEKS 4 WEEKS 4 WEEKS 4 WEEKS

ARM Action Codes

P P P P P P P P

# Subsamples, Dec.

0 0 0 0 0 0 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	66	96	91	95	66	96	91	95
19 CLARITY	4 E	0.5 LB	A/A	1WK									
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	1WK									
19 AMS	100 SG	2 %	W/W	1WK									
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
19 AMS	100 SG	2 %	W/W	LP									
20 CLARITY	4 E	0.25 LB	A/A	1WK									
20 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	1WK									
20 AMS	100 SG	2 %	W/W	1WK									
20 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
20 AMS	100 SG	2 %	W/W	LP									
21 CLARITY	4 E	0.25 LB	A/A	PRE									
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE									
21 AMS	100 SG	2 %	W/W	PRE									
21 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
21 AMS	100 SG	2 %	W/W	LP									
22 DISTINCT	70 WG	0.175 LB	A/A	2WK									
22 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
22 AMS	100 SG	2 %	W/W	LP									
23 DISTINCT	70 WG	0.09 LB	A/A	2WK									
23 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
23 AMS	100 SG	2 %	W/W	LP									
24 DISTINCT	70 WG	0.175 LB	A/A	1WK									
24 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
24 AMS	100 SG	2 %	W/W	LP									
25 DISTINCT	70 WG	0.09 LB	A/A	1WK									
25 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LP									
25 AMS	100 SG	2 %	W/W	LP									
26 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE									
26 AMS	100 SG	2 %	W/W	PRE									
26 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	LP									
26 AMS	100 SG	2 %	W/W	LP									

09-20-01 (S1019)

Dept. of Agronomy, Univ. of Ky  
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AOV Means Table Page 5 of 5

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	CHEAL	AMBTR		SETFA	CHEAL	AMBTR
Crop Code	GLXMA				GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
27 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE	0	100	100	100	0
27 TOUCHDOWN IQ	4 SL	0.75 LB	A/A	LP					
28 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE	0	99	94	96	0
28 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	LP					
29 RAPTOR	1 E	0.032 LB	A/A	LP	0	89	53	94	0
29 SPREADER HF		0.25 % V/V		LP					
29 LIQUID N	L	1 QT/A		LP					
29 WEED MAK									
30 EXTREME	2.17 EC	0.814 LB	A/A	LP	0	90	31	26	0
30 SPREADER HF		0.25 % V/V		LP					
30 AMS	100 SG	2.5 LB	A/A	LP					
30 WEED MAK									
LSD (P=.05)		2.5	3.5	5.0	2.6	2.0	3.5	5.0	2.6
Standard Deviation		1.8	2.5	3.6	1.8	1.4	2.5	3.6	1.8
CV		23.23	2.55	3.9	1.91	19.06	2.55	3.9	1.91

09-20-01 (S1019)

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

AOV Means Table Page 1 of 5

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg			
1 PROWL	3.3 EC	0.99 LB	A/A 2WK	0	99	99	94	
1 EXTREME	2.17 EC	0.814 LB	A/A 2WK					
1 AMS	100 SG	2 %	W/W 2WK					
1 SPREADER HF		0.125 %	V/V 2WK					
1 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP					
2 PROWL	3.3 EC	0.99 LB	A/A PRE	0	100	99	95	
2 EXTREME	2.17 EC	0.814 LB	A/A PRE					
2 AMS	100 SG	2 %	W/W PRE					
2 SPREADER HF		0.125 %	V/V PRE					
2 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP					
3 EXTREME	2.17 EC	0.814 LB	A/A 2WK	0	95	96	99	
3 SPREADER HF		0.125 %	V/V 2WK					
3 AMS	100 SG	2 %	W/W 2WK					
3 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP					
4 EXTREME	2.17 EC	0.814 LB	A/A PRE	0	96	98	99	
4 SPREADER HF		0.125 %	V/V PRE					
4 AMS	100 SG	2 %	W/W PRE					
4 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP					
5 BACKDRAFT	1.5 E	0.94 LB	A/A 2WK	0	95	95	100	
5 SPREADER HF		0.125 %	V/V 2WK					
5 AMS	100 SG	2 %	W/W 2WK					
5 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP					
6 BACKDRAFT	1.5 E	0.94 LB	A/A PRE	0	95	95	100	
6 SPREADER HF		0.125 %	V/V PRE					
6 AMS	100 SG	2 %	W/W PRE					
6 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP					
7 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 2WK	0	96	93	98	
7 AMS	100 SG	2 %	W/W 2WK					
7 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 28DAP					
7 AMS	100 SG	2 %	W/W 28DAP					

09-20-01 (S1019)

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

AOV Means Table Page 2 of 5

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 2WK		0	100	98	99
8 AMS	100 SG		2 8	W/W 2WK					
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 21DAP					
8 AMS	100 SG		2 8	W/W 21DAP					
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 35DAP					
8 AMS	100 SG		2 8	W/W 35DAP					
9 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 2WK		0	99	100	98
9 PROWL	3.3 EC		0.99 LB	A/A 2WK					
9 AMS	100 SG		2 8	W/W 2WK					
9 EXTREME	2.17 EC		0.814 LB	A/A 21DAP					
9 SPREADER HF			0.125 8	V/V 21DAP					
9 AMS	100 SG		2 8	W/W 21DAP					
10 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 2WK		0	98	93	98
10 AMS	100 SG		2 8	W/W 2WK					
10 EXTREME	2.17 EC		0.814 LB	A/A 21DAP					
10 SPREADER HF			0.125 8	V/V 21DAP					
10 AMS	100 SG		2 8	W/W 21DAP					
11 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 2WK		0	99	100	100
11 SQUADRON	2.33 EC		0.87 LB	A/A 2WK					
11 AMS	100 SG		2 8	W/W 2WK					
11 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A 28DAP					
11 AMS	100 SG		2 8	W/W 28DAP					
12 DOMAIN	60 DF		0.38 LB	A/A 1WK		0	95	94	95
12 WEEDONE LV4	3.8 E		0.5 LB	A/A 1WK					
12 COC	L		1 QT/A	1WK					
12 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A LP					
12 AMS	100 SG		2 8	W/W LP					
13 DOMAIN	60 DF		0.49 LB	A/A 1WK		0	98	98	98
13 WEEDONE LV4	3.8 E		0.5 LB	A/A 1WK					
13 COC	L		1 QT/A	1WK					
13 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A LP					
13 AMS	100 SG		2 8	W/W LP					

09-20-01 (S1019)

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

AOV Means Table Page 3 of 5

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code		SETFA	CHEAL	AMBTR
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg			
14 DOMAIN	60 DF	0.6 LB	A/A 1WK		0	98	95	96
14 WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK					
14 COC	L	1 QT/A	1WK					
14 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP					
14 AMS	100 SG	2 8	W/W LP					
15 SENCOR	75 DF	0.28 LB	A/A 1WK		0	99	93	100
15 AUTHORITY	75 DF	0.09 LB	A/A 1WK					
15 WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK					
15 COC	L	1 QT/A	1WK					
15 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP					
15 AMS	100 SG	2 8	W/W LP					
16 SENCOR	75 DF	0.28 LB	A/A 1WK		0	98	95	100
16 FIRSTRATE	84 W	0.02 LB	A/A 1WK					
16 WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK					
16 COC	L	1 QT/A	1WK					
16 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP					
16 AMS	100 SG	2 8	W/W LP					
17 SENCOR	75 DF	0.28 LB	A/A 1WK		0	98	94	100
17 CANOPY XL								
17 AUTHORITY	75 DF	0.123 LB	A/A 1WK					
17 CLASSIC	25 DF	0.02 LB	A/A 1WK					
17 WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK					
17 COC	L	1 QT/A	1WK					
17 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP					
17 AMS	100 SG	2 8	W/W LP					
18 CLARITY	4 E	0.5 LB	A/A 2WK		19	95	94	96
18 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 2WK					
18 AMS	100 SG	2 8	W/W 2WK					
18 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP					
18 AMS	100 SG	2 8	W/W LP					

09-20-01 (S1019)

AOV Means Table Page 4 of 5

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
19 CLARITY	4 E		0.5 LB	A/A	1WK	55	96	91	95
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK				
19 AMS	100 SG		2 8	W/W	1WK				
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
19 AMS	100 SG		2 8	W/W	LP				
20 CLARITY	4 E		0.25 LB	A/A	1WK	40	95	91	95
20 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK				
20 AMS	100 SG		2 8	W/W	1WK				
20 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
20 AMS	100 SG		2 8	W/W	LP				
21 CLARITY	4 E		0.25 LB	A/A	PRE	34	95	89	95
21 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE				
21 AMS	100 SG		2 8	W/W	PRE				
21 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
21 AMS	100 SG		2 8	W/W	LP				
22 DISTINCT	70 WG		0.175 LB	A/A	2WK	4	94	91	95
22 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
22 AMS	100 SG		2 8	W/W	LP				
23 DISTINCT	70 WG		0.09 LB	A/A	2WK	1	98	95	100
23 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
23 AMS	100 SG		2 8	W/W	LP				
24 DISTINCT	70 WG		0.175 LB	A/A	1WK	9	93	93	94
24 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
24 AMS	100 SG		2 8	W/W	LP				
25 DISTINCT	70 WG		0.09 LB	A/A	1WK	4	95	95	95
25 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
25 AMS	100 SG		2 8	W/W	LP				
26 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	96	94	96
26 AMS	100 SG		2 8	W/W	PRE				
26 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP				
26 AMS	100 SG		2 8	W/W	LP				

09-20-01 (S1019)

AOV Means Table Page 5 of 5

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR
Crop Code	GLXMA		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg			
27 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	100	100
27 TOUCHDOWN IQ	4 SL		0.75 LB	A/A	LP			
28 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	99	94
28 GLYPHOMAX PLUS	4 SL		0.75 LB	A/A	LP			96
29 RAPTOR	1 E		0.032 LB	A/A	LP	0	89	53
29 SPREADER HF			0.25 %	V/V	LP			94
29 LIQUID N	L		1 QT/A		LP			
29 WEED MAK								
30 EXTREME	2.17 EC		0.814 LB	A/A	LP	0	90	31
30 SPREADER HF			0.25 %	V/V	LP			26
30 AMS	100 SG		2.5 LB	A/A	LP			
30 WEED MAK								
LSD (P=.05)			2.4		3.5	5.0	2.6	
Standard Deviation			1.7		2.5	3.6	1.8	
CV			31.08		2.55	3.9	1.91	

09-20-01 (S1019)

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

Site Description Page 1 of 3

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-02-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.

Crop 1: GLXMA SOYBEAN      Variety: ASGROW AG4702  
Planting Date: 05-02-01      Planting Method: DRILLED  
Rate: 190000 S/A      Depth: 1.25 IN  
Row Spacing: 7.5 IN      Seed Bed: MEDIUM  
Soil Temperature: 66 F      Soil Moisture: NORMAL      Emergence Date: 05-10-01

SITE AND DESIGN

Plot Width, Unit: 5 FT      Plot Length, Unit: 33 FT      Reps: 4  
Site Type: FIELD  
Tillage Type: MINIMUM      Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 3 % OM: 4      Texture: SILT LOAM  
% Silt: 63 pH: 6.5      Soil Name: LANTON  
% Clay: 34 CEC: 25      Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP      Distance: 1.5 Unit: mi

09-20-01 (S1019)

Site Description Page 2 of 3

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

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## APPLICATION DESCRIPTION

	A	B	C	D	E	F	G
Application Date:	05-02-01	05-08-01	05-14-01	06-05-01	06-19-01	06-19-01	06-19-01
Time of Day:	10:00	10:00	10:00	10:00	10:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	1WK	PRE	21DAP	28DAP	35DAP	LP
Appli. Placement:	BROSOI	BROSOI	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	67 F	66 F	60 F	72 F	75 F	75 F	75 F
% Relative Humidity:	69	71	56	79	64	64	64
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	4 MPH	3 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N	N	N	N
Soil Temp., Unit:	66 F	68 F	66 F	70 F	80 F	80 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20	10	10	10	10

## CROP STAGE AT EACH APPLICATION

A	B	C	D	E	F
Crop 1 Code, Stage: GLXMA 2WK	GLXMA 1WK	GLXMA PRE	GLXMA 21DAP	GLXMA 28DAP	GLXMA 35DAP
Height, Unit:			3 IN	5 IN	5 IN
G					
Crop 1 Code, Stage: GLXMA LP					
Height, Unit:	5 IN				

## WEED STAGE AT EACH APPLICATION

A	B	C	D	E	F
Weed 1 Code, Stage: SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA 21DAP	SETFA 28DAP	SETFA 35DAP
Stage Scale:			3LF	4LF	4LF
Density, Unit:			4 IN	5 IN	5 IN
Weed 2 Code, Stage: CHEAL 2WK	CHEAL 1WK	CHEAL PRE	CHEAL 21DAP	CHEAL 28DAP	CHEAL 35DAP
Stage Scale:			2LF	3LF	3LF
Density, Unit:			3 IN	4 IN	4 IN
Weed 3 Code, Stage: AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR 21DAP	AMBTR 28DAP	AMBTR 35DAP
Stage Scale:			4LF	5LF	5LF
Density, Unit:			4 IN	5 IN	5 IN

09-20-01 (S1019)

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

Site Description Page 3 of 3

## MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019                                  Study Dir.: CHARLES H. SLACK  
 Location: LEXINGTON, KY.                        Investigator: Charles Slack

**G****Weed 1 Code, Stage:** SETFA LP**Stage Scale:** 4LF**Density, Unit:** 5 IN**Weed 2 Code, Stage:** CHEAL LP**Stage Scale:** 3LF**Density, Unit:** 4 IN**Weed 3 Code, Stage:** AMBTR LP**Stage Scale:** 5LF**Density, Unit:** 5 IN**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
<b>Appl. Equipment:</b>	ATV	ATV	ATV	BACKPACK	BACKPACK	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30	30	30	30	30
<b>Nozzle Type:</b>	FLAT FAN						
<b>Nozzle Size:</b>	8004 DG						
<b>Nozzle Spacing, Unit:</b>	20 IN						
<b>Boom Length, Unit:</b>	5 FT						
<b>Boom Height, Unit:</b>	19 IN	19 IN	19 IN	20 IN	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	4 MPH	4 MPH	4 MPH	3.5 MPH	3.5 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER						
<b>Spray Volume, Unit:</b>	24 GPA						
<b>Propellant:</b>	CO2						

09-25-01 (S1020)

AOV Means Table Page 1 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	ABUTH	AMBTR	IPOSS		SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit		2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK				
Trt-Eval Interval		P	P	P	P	P	P	P	P	P
ARM Action Codes		0	0	0	0	0	0	0	0	0
# Subsamples, Dec.										

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	0	93	93	90	90	0	90	90	88	85
1 BOUNDARY	7.8 EC	1.22 LB	A/A PRE			0	93	93	90	90	0	90	90	88	85
1 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE												
1 TOUCHDOWN IQ	4 SL	1 LB	A/A-21DAP												
2 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE			0	95	90	90	90	0	90	90	90	87
2 TOUCHDOWN IQ	4 SL	1 LB	A/A 21DAP												
3 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE			0	90	87	82	82	0	90	85	80	78
3 FLEXSTAR	1.88 CS	0.353 LB	A/A 21DAP												
3 FUSION	2.66 EC	0.25 LB	A/A 21DAP												
3 MSO	L	1 QT/A	21DAP												
3 LIQUID N	L	1 QT/A	21DAP												
4 BOUNDARY	7.8 EC	1.22 LB	A/A PRE			0	92	90	88	87	0	90	90	88	80
4 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE												
4 FLEXSTAR	1.88 CS	0.353 LB	A/A 21DAP												
4 FUSION	2.66 EC	0.25 LB	A/A 21DAP												
4 MSO	L	1 QT/A	21DAP												
4 LIQUID N	L	1 QT/A	21DAP												
5 PROWL	3.3 EC	0.99 LB	A/A PRE			0	93	90	88	88	0	90	88	83	83
5 EXTREME	2.17 EC	0.814 LB	A/A PRE												
5 SPREADER HF		0.125 %	V/V PRE												
5 AMS	100 SG	2 %	W/W PRE												
5 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP												
5 AMS	100 SG	2 %	W/W 28DAP												
6 EXTREME	2.17 EC	0.814 LB	A/A PRE			0	95	92	92	92	0	90	92	88	83
6 SPREADER HF		0.125 %	V/V PRE												
6 AMS	100 SG	2 %	W/W PRE												
6 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP												
6 AMS	100 SG	2 %	W/W 28DAP												
7 BACKDRAFT	1.5 E	0.94 LB	A/A PRE			0	95	92	92	90	0	92	90	87	90
7 SPREADER HF		0.125 %	V/V PRE												
7 AMS	100 SG	2 %	W/W PRE												
7 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP												
7 AMS	100 SG	2 %	W/W 28DAP												

09-25-01 (S1020)

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

AOV Means Table Page 2 of 6

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code  
Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
ARM Action Codes  
# Subsamples, Dec.

	SETFA	ABUTH	AMBTR	IPOSS		SETFA	ABUTH	AMBTR	IPOSS
	GLXMA	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
	PERCENT								
	2 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 Treatment No.	Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg						
8 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	93	92	92	90	0	90	92
8 EXTREME	2.17 EC	0.814 LB	A/A	21DAP								
8 SPREADER HF		0.125	% V/V	21DAP								
8 AMS	100 SG	2	% W/W	21DAP								
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	92	92	88	88	0	92	90
9 SQUADRON	2.33 EC	0.87 LB	A/A	PRE								
9 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP								
9 AMS	100 SG	2	% W/W	28DAP								
10 VALOR	50 WG	0.063	LB A/A	PRE	0	92	90	85	85	0	88	90
10 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE								
10 AMS	100 SG	2	% W/W	PRE								
10 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP								
10 AMS	100 SG	2	% W/W	28DAP								
11 V-10080	4.25 SC	1.063 LB	A/A	PRE	0	92	92	92	88	0	90	92
11 SPREADER HF		0.25	% V/V	PRE								
11 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP								
11 AMS	100 SG	2	% W/W	28DAP								
12 AUTHORITY	75 DF	0.117 LB	A/A	PRE	0	93	90	88	88	0	87	88
12 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE								
12 AMS	100 SG	2	% W/W	PRE								
12 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP								
12 AMS	100 SG	2	% W/W	28DAP								
13 AIM	40 DF	0.008 LB	A/A	PRE	0	93	92	92	88	0	90	90
13 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE								
13 AMS	100 SG	2	% W/W	PRE								
13 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP								
13 AMS	100 SG	2	% W/W	28DAP								
14 AIM	40 DF	0.016 LB	A/A	PRE	0	92	88	85	83	0	90	88
14 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE								
14 AMS	100 SG	2	% W/W	PRE								
14 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP								
14 AMS	100 SG	2	% W/W	28DAP								

09-25-01 (S1020)

AOV Means Table Page 3 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.		Form Conc	Form Type	Rate Rate	Grow Unit	SETFA					SETFA								
						GLXMA		ABUTH		AMBTR		IPOSS		GLXMA		ABUTH			
						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	PERCENT			
						PERCENT													
				2 WEEK		2 WEEK		2 WEEK		2 WEEK		4 WEEK		4 WEEK		4 WEEK			
				P		P		P		P		P		P		P			
				0		0		0		0		0		0		0			
15 AIM		40 DF	0.024	LB	A/A	PRE		0	93	93	88	85	0	90	90	88	85		
15 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE													
15 AMS		100 SG		2 %	W/W	PRE													
15 ROUNDUP ULTRAMAX		5 SL	0.75	LB	A/A	28DAP													
15 AMS		100 SG		2 %	W/W	28DAP													
16 AIM		40 DF	0.008	LB	A/A	PRE		0	92	92	87	88	0	90	92	87	88		
16 COC		L		1 QT/A		PRE													
16 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	28DAP													
16 AMS		100 SG		2 %	W/W	28DAP													
17 AIM		40 DF	0.016	LB	A/A	PRE		0	93	92	88	88	0	93	90	83	88		
17 COC		L		1 QT/A		PRE													
17 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	28DAP													
17 AMS		100 SG		2 %	W/W	28DAP													
18 AIM		40 DF	0.024	LB	A/A	PRE		0	87	80	73	70	0	80	80	73	70		
18 COC		L		1 QT/A		PRE													
18 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	28DAP													
18 AMS		100 SG		2 %	W/W	28DAP													
19 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	PRE		0	95	92	87	87	0	90	92	83	87		
19 AMS		100 SG		2 %	W/W	PRE													
19 ROUNDUP ULTRAMAX		5 SL		1 LB	A/A	28DAP													
19 AMS		100 SG		2 %	W/W	28DAP													
20 TOUCHDOWN IQ		4 SL		1 LB	A/A	PRE		0	93	90	87	85	0	90	90	87	83		
20 TOUCHDOWN IQ		4 SL		1 LB	A/A	28DAP													
21 GLYPHOMAX PLUS		4 SL		1 LB	A/A	PRE													
21 AMS		100 SG		2 %	W/W	PRE													
21 GLYPHOMAX PLUS		4 SL		1 LB	A/A	28DAP													
21 AMS		100 SG		2 %	W/W	28DAP													
22 DOMAIN		60 DF	0.38	LB	A/A	PRE		0	93	90	87	87	0	88	90	82	87		
22 TOUCHDOWN IQ		4 SL		1 LB	A/A	PRE													
22 TOUCHDOWN IQ		4 SL		1 LB	A/A	28DAP													

09-25-01 (S1020)

AOV Means Table Page 4 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	SETFA						ABUTH						AMBTR						IPOSS							
	GLXMA			CONTROL			CONTROL			CONTROL			INJURY			GLXMA			CONTROL			CONTROL				
	PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT			
	2 WEEK		2 WEEK		2 WEEK		2 WEEK		2 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		P		P		
		0		0		0		0		0		0		0		0		0		0		0		0		
Trt Treatment No. Name	Form	Form	Rate	Grow																						
	Conc	Type	Rate	Unit	Stg																					
23 DOMAIN	60 DF	0.49 LB	A/A	PRE		0	92	87	85	80	0	88	87	83	78											
23 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE																						
23 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP																						
24 DOMAIN	60 DF	0.60 LB	A/A	PRE		0	92	88	87	83	0	90	87	87	82											
24 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE																						
24 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP																						
25 SENCOR	75 DF	0.28 LB	A/A	PRE		0	92	92	90	88	0	88	92	90	85											
25 AUTHORITY	75 DF	0.09 LB	A/A	PRE																						
25 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE																						
25 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP																						
26 SENCOR	75 DF	0.19 LB	A/A	PRE		0	93	92	90	88	0	88	92	90	87											
26 FIRSTRATE	84 W	0.02 LB	A/A	PRE																						
26 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE																						
26 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP																						
27 SENCOR	75 DF	0.16 LB	A/A	PRE		0	92	92	90	87	0	88	92	90	82											
27 CANOPY XL																										
27 AUTHORITY	75 DF	0.123 LB	A/A	PRE																						
27 CLASSIC	25 DF	0.02 LB	A/A	PRE																						
27 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP																						
28 CANOPY XL	75 DF	0.123 LB	A/A	PRE		0	92	92	90	90	0	88	92	90	87											
28 AUTHORITY	25 DF	0.025 LB	A/A	PRE																						
28 CLASSIC	4 SL	1 LB	A/A	PRE																						
28 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP																						
29 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE		0	92	92	87	83	0	90	90	85	80											
29 FIRSTRATE	84 W	0.008 LB	A/A	21DAP																						
29 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	21DAP																						
30 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE		0	88	87	82	82	0	85	87	78	80											
30 FIRSTRATE	84 W	0.012 LB	A/A	21DAP																						
30 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	21DAP																						

09-25-01 (S1020)

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

AOV Means Table Page 5 of 6

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	Form No. Name	Form Conc	Rate Type	Grow Unit	SETFA				ABUTH				AMBTR				IPOSS			
					GLXMA				INJURY				GLXMA				CONTROL			
					CONTROL		PERCENT		CONTROL		PERCENT		CONTROL		PERCENT		CONTROL		PERCENT	
					2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK							
					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment	Form	Form	Rate	Grow																
No. Name	Conc	Type	Rate	Unit	Stg															
31 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE															
31 FIRSTRATE	84 W		0.016	LB	A/A	21DAP														
31 GLYPHOMAX PLUS	4 SL		0.5	LB	A/A	21DAP														
32 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
32 FIRSTRATE	84 W		0.008	LB	A/A	21DAP														
32 TOUCHDOWN IQ	4 SL		1	LB	A/A	21DAP														
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
33 FIRSTRATE	84 W		0.012	LB	A/A	21DAP														
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP															
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
34 FIRSTRATE	84 W		0.016	LB	A/A	21DAP														
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP															
35 STRONGARM	82.2 WG		0.024	LB	A/A	PRE														
35 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE															
36 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
36 PHOENIX	2 EC		0.15	LB	A/A	21DAP														
36 SELECT	2 EC		0.094	LB	A/A	21DAP														
36 PRO-X	100 L		0.5	QT/A		21DAP														
37 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
37 PHOENIX	2 EC		0.15	LB	A/A	21DAP														
37 SELECT	2 EC		0.125	LB	A/A	21DAP														
37 PRO-X	100 L		0.5	QT/A		21DAP														
38 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
38 ASSURE II	0.8 EC		0.055	LB	A/A	21DAP														
38 CLASSIC	25 DF		0.008	LB	A/A	21DAP														
38																				
39 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE															
39 COBRA	2 EC		0.15	LB	A/A	21DAP														
39 SELECT	2 EC		0.125	LB	A/A	21DAP														
39 COC	L		0.5	QT/A		21DAP														
39 AMS	100 SG		2.5	LB	A/A	21DAP														

09-25-01 (S1020)

AOV Means Table Page 6 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	SETFA	ABUTH	AMBTR	IPOSS		SETFA	ABUTH	AMBTR	IPOSS
	GLXMA	GLXMA	GLXMA	GLXMA	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
	CONTROL	CONTROL	CONTROL	CONTROL	PERCENT	CONTROL	CONTROL	CONTROL	CONTROL
	2 WEEK	2 WEEK	2 WEEK	2 WEEK	PERCENT	4 WEEK	4 WEEK	4 WEEK	4 WEEK
	P	P	P	P	PERCENT	P	P	P	P
	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	0	90	87	73	72	0	90	83	73	65
40 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	90	87	73	72	0	90	83	73	65
40 AMS	100 SG	2 %	W/W	PRE											
40 IFN															
41 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE		0	90	82	73	72	0	88	82	73	72
41 IFN															
42 GRAMOXONE MAX	3 AS	0.65 LB	A/A	PRE		0	10	23	12	18	0	10	23	10	18
42 SPREADER HF		0.25 %	V/V	PRE											
42 IFN															
43 GRAMOXONE MAX	3 AS	0.65 LB	A/A	PRE		0	0	0	0	0	0	0	0	0	0
43 COC	L	1 QT/A		PRE											
43 IFN															
44 CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	4.3	6.1	8.4	10.1	0.0	5.8	7.0	9.6	11.5
Standard Deviation						0.0	2.6	3.7	5.2	6.2	0.0	3.6	4.3	5.9	7.0
CV						0.0	3.04	4.47	6.41	7.82	0.0	4.27	5.17	7.46	9.18

09-25-01 (S1020)

AOV Means Table Page 1 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 BOUNDARY	7.8 EC	1.22 LB	A/A	PRE	0	93	93	90	90
1 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE					
1 TOUCHDOWN IQ	4 SL	1 LB	A/A	21DAP					
2 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE	0	95	90	90	90
2 TOUCHDOWN IQ	4 SL	1 LB	A/A	21DAP					
3 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE	0	90	87	82	82
3 FLEXSTAR	1.88 CS	0.353 LB	A/A	21DAP					
3 FUSION	2.66 EC	0.25 LB	A/A	21DAP					
3 MSO	L	1 QT/A		21DAP					
3 LIQUID N	L	1 QT/A		21DAP					
4 BOUNDARY	7.8 EC	1.22 LB	A/A	PRE	0	92	90	88	87
4 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE					
4 FLEXSTAR	1.88 CS	0.353 LB	A/A	21DAP					
4 FUSION	2.66 EC	0.25 LB	A/A	21DAP					
4 MSO	L	1 QT/A		21DAP					
4 LIQUID N	L	1 QT/A		21DAP					
5 PROWL	3.3 EC	0.99 LB	A/A	PRE	0	93	90	88	88
5 EXTREME	2.17 EC	0.814 LB	A/A	PRE					
5 SPREADER HF		0.125 %	V/V	PRE					
5 AMS	100 SG	2 %	W/W	PRE					
5 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
5 AMS	100 SG	2 %	W/W	28DAP					
6 EXTREME	2.17 EC	0.814 LB	A/A	PRE	0	95	92	92	92
6 SPREADER HF		0.125 %	V/V	PRE					
6 AMS	100 SG	2 %	W/W	PRE					
6 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
6 AMS	100 SG	2 %	W/W	28DAP					
7 BACKDRAFT	1.5 E	0.94 LB	A/A	PRE	0	95	92	92	63
7 SPREADER HF		0.125 %	V/V	PRE					
7 AMS	100 SG	2 %	W/W	PRE					
7 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP					
7 AMS	100 SG	2 %	W/W	28DAP					

09-25-01 (S1020)

AOV Means Table Page 2 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No.	Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
8 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	PRE	0	93	92	92	90
8 EXTREME	2.17 EC			0.814 LB	A/A	21DAP					
8 SPREADER HF				0.125 %	V/V	21DAP					
8 AMS	100 SG			2 %	W/W	21DAP					
9 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	PRE	0	92	92	88	88
9 SQUADRON	2.33 EC			0.87 LB	A/A	PRE					
9 ROUNDUP ULTRAMAX	5 SL			0.75 LB	A/A	28DAP					
9 AMS	100 SG			2 %	W/W	28DAP					
10 VALOR	50 WG			0.063 LB	A/A	PRE	0	92	90	85	85
10 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	PRE					
10 AMS	100 SG			2 %	W/W	PRE					
10 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	28DAP					
10 AMS	100 SG			2 %	W/W	28DAP					
11 V-10080	4.25 SC			1.063 LB	A/A	PRE	0	92	92	92	88
11 SPREADER HF				0.25 %	V/V	PRE					
11 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	28DAP					
11 AMS	100 SG			2 %	W/W	28DAP					
12 AUTHORITY	75 DF			0.117 LB	A/A	PRE	0	93	90	88	88
12 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	PRE					
12 AMS	100 SG			2 %	W/W	PRE					
12 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	28DAP					
12 AMS	100 SG			2 %	W/W	28DAP					
13 AIM	40 DF			0.008 LB	A/A	PRE	0	93	92	92	88
13 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	PRE					
13 AMS	100 SG			2 %	W/W	PRE					
13 ROUNDUP ULTRAMAX	5 SL			0.75 LB	A/A	28DAP					
13 AMS	100 SG			2 %	W/W	28DAP					
14 AIM	40 DF			0.016 LB	A/A	PRE	0	92	88	85	83
14 ROUNDUP ULTRAMAX	5 SL			1 LB	A/A	PRE					
14 AMS	100 SG			2 %	W/W	PRE					
14 ROUNDUP ULTRAMAX	5 SL			0.75 LB	A/A	28DAP					
14 AMS	100 SG			2 %	W/W	28DAP					

09-25-01 (S1020)

AOV Means Table Page 3 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
15 AIM	40 DF	0.024 LB	A/A PRE	0	92	93	88	85	
15 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A PRE						
15 AMS	100 SG	2 % W/W	PRE						
15 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP						
15 AMS	100 SG	2 % W/W	28DAP						
16 AIM	40 DF	0.008 LB	A/A PRE	0	92	92	87	88	
16 COC	L	1 QT/A	PRE						
16 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 28DAP						
16 AMS	100 SG	2 % W/W	28DAP						
17 AIM	40 DF	0.016 LB	A/A PRE	0	93	92	88	88	
17 COC	L	1 QT/A	PRE						
17 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 28DAP						
17 AMS	100 SG	2 % W/W	28DAP						
18 AIM	40 DF	0.024 LB	A/A PRE	0	87	80	73	70	
18 COC	L	1 QT/A	PRE						
18 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 28DAP						
18 AMS	100 SG	2 % W/W	28DAP						
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A PRE	0	95	92	87	87	
19 AMS	100 SG	2 % W/W	PRE						
19 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 28DAP						
19 AMS	100 SG	2 % W/W	28DAP						
20 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE	0	93	90	87	85	
20 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
21 GLYPHOMAX PLUS	4 SL	1 LB	A/A PRE	0	92	92	88	85	
21 AMS	100 SG	2 % W/W	PRE						
21 GLYPHOMAX PLUS	4 SL	1 LB	A/A 28DAP						
21 AMS	100 SG	2 % W/W	28DAP						
22 DOMAIN	60 DF	0.38 LB	A/A PRE	0	93	90	87	87	
22 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE						
22 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						

J9-25-01 (S1020)

AOV Means Table Page 4 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

SETFA ABUTH AMBTR IPOSS

Crop Code

GLXMA INJURY CONTROL CONTROL CONTROL

Rating Data Type

PERCENT PERCENT PERCENT PERCENT PERCENT

Rating Unit

8 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK

Trt-Eval Interval

P P P P P

ARM Action Codes

0 0 0 0 0

# Subsamples, Dec.

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS
23 DOMAIN	60 DF		0.49 LB	A/A	PRE	0	92	87	85
23 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE				
23 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
24 DOMAIN	60 DF		0.60 LB	A/A	PRE	0	92	88	87
24 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE				
24 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
25 SENCOR	75 DF		0.28 LB	A/A	PRE	0	92	92	90
25 AUTHORITY	75 DF		0.09 LB	A/A	PRE				
25 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE				
25 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
26 SENCOR	75 DF		0.19 LB	A/A	PRE	0	93	92	90
26 FIRSTRATE	84 W		0.02 LB	A/A	PRE				
26 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE				
26 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
27 SENCOR	75 DF		0.16 LB	A/A	PRE	0	92	92	90
27 CANOPY XL									
27 AUTHORITY	75 DF		0.123 LB	A/A	PRE				
27 CLASSIC	25 DF		0.02 LB	A/A	PRE				
27 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
28 CANOPY XL						0	92	92	90
28 AUTHORITY	75 DF		0.123 LB	A/A	PRE				
28 CLASSIC	25 DF		0.025 LB	A/A	PRE				
28 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE				
28 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
29 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	92	92	87
29 FIRSTRATE	84 W		0.008 LB	A/A	21DAP				
29 GLYPHOMAX PLUS	4 SL		0.75 LB	A/A	21DAP				
30 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	88	87	82
30 FIRSTRATE	84 W		0.012 LB	A/A	21DAP				
30 GLYPHOMAX PLUS	4 SL		0.75 LB	A/A	21DAP				

09-25-01 (S1020)

AOV Means Table Page 5 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	ABUTH	AMBTR	IPOSS
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS		
31 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	92	92	88	87	
31 FIRSTRATE	84 W		0.016	LB	A/A	21DAP					
31 GLYPHOMAX PLUS	4 SL		0.5	LB	A/A	21DAP					
32 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	93	92	88	83	
32 FIRSTRATE	84 W		0.008	LB	A/A	21DAP					
32 TOUCHDOWN IQ	4 SL		1	LB	A/A	21DAP					
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	93	92	88	87	
33 FIRSTRATE	84 W		0.012	LB	A/A	21DAP					
33 TOUCHDOWN IQ	4 SL		1	LB	A/A	21DAP					
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	92	90	88	85	
34 FIRSTRATE	84 W		0.016	LB	A/A	21DAP					
34 TOUCHDOWN IQ	4 SL		1	LB	A/A	21DAP					
35 STRONGARM	82.2 WG		0.024	LB	A/A	PRE	0	87	85	80	77
35 GLYPHOMAX PLUS	4 SL		1	LB	A/A	PRE					
36 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	88	82	82	70	
36 PHOENIX	2 EC		0.15	LB	A/A	21DAP					
36 SELECT	2 EC		0.094	LB	A/A	21DAP					
36 PRO-X	100 L		0.5	QT/A		21DAP					
37 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	88	83	80	78	
37 PHOENIX	2 EC		0.15	LB	A/A	21DAP					
37 SELECT	2 EC		0.125	LB	A/A	21DAP					
37 PRO-X	100 L		0.5	QT/A		21DAP					
38 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	90	87	85	83	
38 ASSURE II	0.8 EC		0.055	LB	A/A	21DAP					
38 CLASSIC	25 DF		0.008	LB	A/A	21DAP					
38											
39 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	90	82	80	75	
39 COBRA	2 EC		0.15	LB	A/A	21DAP					
39 SELECT	2 EC		0.125	LB	A/A	21DAP					
39 COC	L		0.5	QT/A		21DAP					
39 AMS	100 SG		2.5	LB	A/A	21DAP					

9-25-01 (S1020)

AOV Means Table Page 6 of 6

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Frt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

SETFA ABUTH AMBTR I POSS

GLXMA

INJURY CONTROL CONTROL CONTROL CONTROL

PERCENT PERCENT PERCENT PERCENT PERCENT

8 WEEK 8 WEEK 8 WEEK 8 WEEK 8 WEEK

P

P

P

P

P

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	I POSS
40 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE		0	90	87	73
40 AMS	100 SG	2 %	W/W	PRE					72
40 IFN									

41 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE	0	90	82	73	72
41 IFN									

42 GRAMOXONE MAX	3 AS	0.65 LB	A/A	PRE	0	10	23	10	17
42 SPREADER HF		0.25 %	V/V	PRE					
42 IFN									

43 GRAMOXONE MAX	3 AS	0.65 LB	A/A	PRE	0	0	0	0	0
43 COC	L	1 QT/A		PRE					
43 IFN									

44 CHECK		0	0	0	0	0	0	0	0
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LSD (P=.05)		0.0	4.3	6.1	8.4	15.8			
Standard Deviation		0.0	2.6	3.7	5.1	9.7			
CV		0.0	3.04	4.48	6.37	12.33			

09-25-01 (S1020)

Site Description Page 1 of 3

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-07-01  
Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: GLXMA SOYBEAN

Variety: ASGROW AG4702

Planting Date: 05-14-01

Planting Method: DRILLED

Rate: 200000 S/A

Depth: 1.25 IN

Row Spacing: 7.5 IN

Seed Bed: NO-TILL

Soil Temperature: 66 F

Soil Moisture: NORMAL

Emergence Date: 05-23-01

SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 44 FT Reps: 3

Site Type: FIELD

Study Design: SPLIT-BLOCK

Tillage Type: NO-TILL

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 64	pH: 6.5	Soil Name: MAURY
% Clay: 30	CEC: 17	Fert. Level: EXCELLENT

19-25-01 (S1020)

Site Description Page 2 of 3

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

## NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles SlackOverall Moisture Conditions: NORMAL  
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

## APPLICATION DESCRIPTION

A B C

<b>Application Date:</b>	06-03-01	06-19-01
<b>Time of Day:</b>	10:00	2:00
<b>Application Method:</b>	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	21DAP
<b>Appli. Placement:</b>	BROSOI	BROFOL
<b>Air Temp., Unit:</b>	71 F	58 F
<b>% Relative Humidity:</b>	60	73
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH
<b>Dew Presence (Y/N):</b>	N	N
<b>Soil Temp., Unit:</b>	66 F	73 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20

## CROP STAGE AT EACH APPLICATION

A B C

<b>Crop 1 Code, Stage:</b>	GLXMA PRE	GLXMA 21DAP	GLXMA 35DAP
<b>Height, Unit:</b>		3 IN	5 IN

## WEED STAGE AT EACH APPLICATION

A B C

<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA 21DAP	SETFA 35DAP
<b>Stage Scale:</b>		3LF	4LF
<b>Density, Unit:</b>		4 IN	5 IN
<b>Weed 2 Code, Stage:</b>	ABUTH PRE	ABUTH 21DAP	ABUTH 35DAP
<b>Stage Scale:</b>		3LF	6LF
<b>Density, Unit:</b>		4 IN	7 IN
<b>Weed 3 Code, Stage:</b>	AMBTR PRE	AMBTR 21DAP	AMBTR 35DAP
<b>Stage Scale:</b>		4LF	5LF
<b>Density, Unit:</b>		4 IN	5 IN
<b>Weed 4 Code, Stage:</b>	IPOSS PRE	IPOSS 21DAP	IPOSS 35DAP
<b>Stage Scale:</b>		3LF	5LF
<b>Density, Unit:</b>		2 IN	4 IN

09-25-01 (S1020)

Site Description Page 3 of 3

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	ATV	BACKPACK	BACKPACK
Operating Pressure:	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

19-20-01 (S1021)

AOV Means Table Page 1 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE								
							GLXMA	GLXMA	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	PERCENT							
							P	P	P	P	P	P	P	P	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	
							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg																	
1 BOUNDARY	7.8 EC	1.22 LB	A/A PRE			0	100	100	100	95	0	100	100	100	95							
1 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE																			
1 TOUCHDOWN IQ	4 SL	1 LB	A/A 21DAP																			
2 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE			0	93	100	100	95	0	93	100	100	95							
2 TOUCHDOWN IQ	4 SL	1 LB	A/A 21DAP																			
3 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE			0	97	58	97	50	0	97	58	97	50							
3 FLEXSTAR	1.88 CS	0.353 LB	A/A 21DAP																			
3 FUSION	2.66 EC	0.25 LB	A/A 21DAP																			
3 MSO	L	1 QT/A	21DAP																			
3 LIQUID N	L	1 QT/A	21DAP																			
4 BOUNDARY	7.8 EC	1.22 LB	A/A PRE			0	95	95	95	37	0	95	95	95	37							
4 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE																			
4 FLEXSTAR	1.88 CS	0.353 LB	A/A 21DAP																			
4 FUSION	2.66 EC	0.25 LB	A/A 21DAP																			
4 MSO	L	1 QT/A	21DAP																			
4 LIQUID N	L	1 QT/A	21DAP																			
5 PROWL	3.3 EC	0.99 LB	A/A PRE			0	100	98	98	95	0	100	98	98	95							
5 EXTREME	2.17 EC	0.814 LB	A/A PRE																			
5 SPREADER HF		0.125 %	V/V PRE																			
5 AMS	100 SG	2 %	W/W PRE																			
5 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP																			
5 AMS	100 SG	2 %	W/W 28DAP																			
6 EXTREME	2.17 EC	0.814 LB	A/A PRE			0	97	98	98	95	0	97	98	98	95							
6 SPREADER HF		0.125 %	V/V PRE																			
6 AMS	100 SG	2 %	W/W PRE																			
6 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP																			
6 AMS	100 SG	2 %	W/W 28DAP																			
7 BACKDRAFT	1.5 E	0.94 LB	A/A PRE			0	100	100	100	95	0	100	100	100	95							
7 SPREADER HF		0.125 %	V/V PRE																			
7 AMS	100 SG	2 %	W/W PRE																			
7 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A 28DAP																			
7 AMS	100 SG	2 %	W/W 28DAP																			

09-20-01 (S1021)

AOV Means Table Page 2 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.			SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE
			GLXMA				GLXMA			
			INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
			PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
			2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
			P	P	P	P	P	P	P	P
			0	0	0	0	0	0	0	0
Trt Treatment No. Name	Form Form Conc Type	Rate Rate	Grow Unit	Grow Stg						
8 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	97	98	97	95	0
8 EXTREME	2.17 EC	0.814 LB	A/A	21DAP						
8 SPREADER HF		0.125 %	V/V	21DAP						
8 AMS	100 SG	2 %	W/W	21DAP						
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	100	100	100	87	0
9 SQUADRON	2.33 EC	0.87 LB	A/A	PRE						
9 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP						
9 AMS	100 SG	2 %	W/W	28DAP						
10 VALOR	50 WG	0.063 LB	A/A	PRE	0	98	100	98	95	0
10 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE						
10 AMS	100 SG	2 %	W/W	PRE						
10 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP						
10 AMS	100 SG	2 %	W/W	28DAP						
11 V-10080	4.25 SC	1.063 LB	A/A	PRE	0	92	95	95	80	0
11 SPREADER HF		0.25 %	V/V	PRE						
11 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP						
11 AMS	100 SG	2 %	W/W	28DAP						
12 AUTHORITY	75 DF	0.117 LB	A/A	PRE	0	97	97	100	83	0
12 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE						
12 AMS	100 SG	2 %	W/W	PRE						
12 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	28DAP						
12 AMS	100 SG	2 %	W/W	28DAP						
13 AIM	40 DF	0.008 LB	A/A	PRE	0	95	95	95	87	0
13 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE						
13 AMS	100 SG	2 %	W/W	PRE						
13 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP						
13 AMS	100 SG	2 %	W/W	28DAP						
14 AIM	40 DF	0.016 LB	A/A	PRE	0	97	98	98	87	0
14 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE						
14 AMS	100 SG	2 %	W/W	PRE						
14 ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A	28DAP						
14 AMS	100 SG	2 %	W/W	28DAP						

19-20-01 (S1021)

AOV Means Table Page 3 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE								
							GLXMA	GLXMA	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	PERCENT							
							P	P	P	P	P	P	P	P	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	
							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15 AIM		40 DF	0.024 LB A/A PRE				0	97	95	98	90	0	97	95	98	90	90	90	90	90	90	90
15 ROUNDUP ULTRAMAX		5 SL	1 LB A/A PRE																			
15 AMS		100 SG	2 % W/W PRE																			
15 ROUNDUP ULTRAMAX		5 SL	0.75 LB A/A 28DAP																			
15 AMS		100 SG	2 % W/W 28DAP																			
16 AIM		40 DF	0.008 LB A/A PRE				0	95	92	95	50	0	95	92	95	50	50	50	50	50	50	50
16 COC		L	1 QT/A PRE																			
16 ROUNDUP ULTRAMAX		5 SL	1 LB A/A 28DAP																			
16 AMS		100 SG	2 % W/W 28DAP																			
17 AIM		40 DF	0.016 LB A/A PRE				0	93	93	93	27	0	93	93	93	27	27	27	27	27	27	27
17 COC		L	1 QT/A PRE																			
17 ROUNDUP ULTRAMAX		5 SL	1 LB A/A 28DAP																			
17 AMS		100 SG	2 % W/W 28DAP																			
18 AIM		40 DF	0.024 LB A/A PRE				0	93	92	93	43	0	93	92	93	43	43	43	43	43	43	43
18 COC		L	1 QT/A PRE																			
18 ROUNDUP ULTRAMAX		5 SL	1 LB A/A 28DAP																			
18 AMS		100 SG	2 % W/W 28DAP																			
19 ROUNDUP ULTRAMAX		5 SL	1 LB A/A PRE				0	95	95	95	90	0	95	95	95	90	90	90	90	90	90	90
19 AMS		100 SG	2 % W/W PRE																			
19 ROUNDUP ULTRAMAX		5 SL	1 LB A/A 28DAP																			
19 AMS		100 SG	2 % W/W 28DAP																			
20 TOUCHDOWN IQ		4 SL	1 LB A/A PRE				0	97	95	95	75	0	97	95	95	75	75	75	75	75	75	75
20 TOUCHDOWN IQ		4 SL	1 LB A/A 28DAP																			
21 GLYPHOMAX PLUS		4 SL	1 LB A/A PRE				0	95	95	95	95	0	95	95	95	95	95	95	95	95	95	95
21 AMS		100 SG	2 % W/W PRE																			
21 GLYPHOMAX PLUS		4 SL	1 LB A/A 28DAP																			
21 AMS		100 SG	2 % W/W 28DAP																			
22 DOMAIN		60 DF	0.38 LB A/A PRE				0	95	100	95	95	0	95	100	95	95	95	95	95	95	95	95
22 TOUCHDOWN IQ		4 SL	1 LB A/A PRE																			
22 TOUCHDOWN IQ		4 SL	1 LB A/A 28DAP																			

09-25-01 (S1021)

AOV Means Table Page 4 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA	INJURY	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL
Rating Data Type		PERCENT	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT
Rating Unit		2 WEEKS	2 WEEKS	2 WEEKS		2 WEEKS	4 WEEKS	4 WEEKS
Trt-Eval Interval	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0
# Subsamples, Dec.								

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	GLXMA	INJURY	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL
23 DOMAIN	60 DF	0.49 LB	A/A	PRE		0	95	100	95	92	0	95	100	95	95	92	
23 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE													
23 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP													
24 DOMAIN	60 DF	0.60 LB	A/A	PRE		0	97	100	97	95	0	97	100	97	97	95	
24 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE													
24 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP													
25 SENCOR	75 DF	0.28 LB	A/A	PRE		0	95	98	100	88	0	95	98	100	100	88	
25 AUTHORITY	75 DF	0.09 LB	A/A	PRE													
25 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE													
25 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP													
26 SENCOR	75 DF	0.19 LB	A/A	PRE		0	98	98	100	40	0	98	98	100	100	40	
26 FIRSTRATE	84 W	0.02 LB	A/A	PRE													
26 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE													
26 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP													
27 SENCOR	75 DF	0.16 LB	A/A	PRE		0	97	98	100	88	0	97	98	100	100	88	
27 CANOPY XL																	
27 AUTHORITY	75 DF	0.123 LB	A/A	PRE													
27 CLASSIC	25 DF	0.02 LB	A/A	PRE													
27 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP													
28 CANOPY XL																	
28 AUTHORITY	75 DF	0.123 LB	A/A	PRE		0	95	98	100	95	0	95	98	100	100	95	
28 CLASSIC	25 DF	0.025 LB	A/A	PRE													
28 TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE													
28 TOUCHDOWN IQ	4 SL	1 LB	A/A	28DAP													
29 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE		0	90	92	95	95	0	90	92	95	95	95	
29 FIRSTRATE	84 W	0.008 LB	A/A	21DAP													
29 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	21DAP													
30 GLYPHOMAX PLUS	4 SL	1 LB	A/A	PRE		0	93	95	95	95	0	93	95	95	95	95	
30 FIRSTRATE	84 W	0.012 LB	A/A	21DAP													
30 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A	21DAP													

09-20-01 (S1021)

AOV Means Table Page 5 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA				GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	GLXMA	INJURY	CONTROL	CONTROL	CONTROL	GLXMA	INJURY	CONTROL	CONTROL	CONTROL
31 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	95	95	95	95	0	95	95	95	95
31 FIRSTRATE	84 W		0.016	LB	A/A	21DAP									
31 GLYPHOMAX PLUS	4 SL		0.5	LB	A/A	21DAP									
32 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	97	95	97	95	0	97	95	97	95
32 FIRSTRATE	84 W		0.008	LB	A/A	21DAP									
32 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP										
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	93	95	97	95	0	93	95	97	95
33 FIRSTRATE	84 W		0.012	LB	A/A	21DAP									
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP										
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	93	95	93	0	95	93	95	93
34 FIRSTRATE	84 W		0.016	LB	A/A	21DAP									
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP										
35 STRONGARM	82.2 WG		0.024	LB	A/A	PRE	0	57	73	95	50	0	57	73	95
35 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE										
36 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	63	97	47	0	95	63	97	47
36 PHOENIX	2 EC		0.15	LB	A/A	21DAP									
36 SELECT	2 EC		0.094	LB	A/A	21DAP									
36 PRO-X	100 L		0.5	QT/A		21DAP									
37 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	68	95	47	0	95	68	95	47
37 PHOENIX	2 EC		0.15	LB	A/A	21DAP									
37 SELECT	2 EC		0.125	LB	A/A	21DAP									
37 PRO-X	100 L		0.5	QT/A		21DAP									
38 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	93	72	93	43	0	93	72	93	43
38 ASSURE II	0.8 EC		0.055	LB	A/A	21DAP									
38 CLASSIC	25 DF		0.008	LB	A/A	21DAP									
38															
39 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	70	95	43	0	95	70	95	43
39 COBRA	2 EC		0.15	LB	A/A	21DAP									
39 SELECT	2 EC		0.125	LB	A/A	21DAP									
39 COC	L		0.5	QT/A		21DAP									
39 AMS	100 SG		2.5	LB	A/A	21DAP									

09-20-01 (S1021)

AOV Means Table Page 6 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA				GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS				
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
40	ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	0	0	0	23	0	0
40	AMS	100 SG	2 %	W/W	PRE							
40	IFN											
41	TOUCHDOWN IQ	4 SL	1 LB	A/A	PRE	0	0	0	0	78	0	0
41	IFN											
42	GRAMOXONE MAX	3 AS	0.65 LB	A/A	PRE	0	0	0	0	78	0	0
42	SPREADER HF		0.25 %	V/V	PRE							
42	IFN											
43	GRAMOXONE MAX	3 AS	0.65 LB	A/A	PRE	0	0	0	0	23	0	0
43	COC	L	1 QT/A		PRE							
43	IFN											
44	CHECK					0	0	0	0	37	0	0
											0	37
LSD (P=.05)						0.0	3.9	5.0	2.7	8.9	0.0	3.9
Standard Deviation						0.0	2.4	3.1	1.6	5.5	0.0	2.4
CV						0.0	2.82	3.75	1.91	7.34	0.0	2.82

09-20-01 (S1021)

AOV Means Table Page 1 of 6

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg				
1 BOUNDARY	7.8 EC		1.22	LB	A/A	PRE	0	100	100
1 TOUCHDOWN IQ	4 SL		1	LB	A/A	PRE			
1 TOUCHDOWN IQ	4 SL		1	LB	A/A	21DAP			
2 TOUCHDOWN IQ	4 SL		1	LB	A/A	PRE	0	93	100
2 TOUCHDOWN IQ	4 SL		1	LB	A/A	21DAP			
3 TOUCHDOWN IQ	4 SL		1	LB	A/A	PRE	0	97	58
3 FLEXSTAR	1.88 CS		0.353	LB	A/A	21DAP			97
3 FUSION	2.66 EC		0.25	LB	A/A	21DAP			97
3 MSO	L		1	QT/A		21DAP			
3 LIQUID N	L		1	QT/A		21DAP			
4 BOUNDARY	7.8 EC		1.22	LB	A/A	PRE	0	95	95
4 TOUCHDOWN IQ	4 SL		1	LB	A/A	PRE			
4 FLEXSTAR	1.88 CS		0.353	LB	A/A	21DAP			
4 FUSION	2.66 EC		0.25	LB	A/A	21DAP			
4 MSO	L		1	QT/A		21DAP			
4 LIQUID N	L		1	QT/A		21DAP			
5 PROWL	3.3 EC		0.99	LB	A/A	PRE	0	100	98
5 EXTREME	2.17 EC		0.814	LB	A/A	PRE			98
5 SPREADER HF			0.125	%	V/V	PRE			
5 AMS	100 SG		2	%	W/W	PRE			
5 ROUNDUP ULTRAMAX	5 SL		0.75	LB	A/A	28DAP			
5 AMS	100 SG		2	%	W/W	28DAP			
6 EXTREME	2.17 EC		0.814	LB	A/A	PRE	0	97	98
6 SPREADER HF			0.125	%	V/V	PRE			98
6 AMS	100 SG		2	%	W/W	PRE			100
6 ROUNDUP ULTRAMAX	5 SL		0.75	LB	A/A	28DAP			
6 AMS	100 SG		2	%	W/W	28DAP			
7 BACKDRAFT	1.5 E		0.94	LB	A/A	PRE	0	100	100
7 SPREADER HF			0.125	%	V/V	PRE			
7 AMS	100 SG		2	%	W/W	PRE			
7 ROUNDUP ULTRAMAX	5 SL		0.75	LB	A/A	28DAP			
7 AMS	100 SG		2	%	W/W	28DAP			

09-20-01 (S1021)

AOV Means Table Page 2 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	97	98	97	100
8 EXTREME	2.17 EC		0.814 LB	A/A	21DAP					
8 SPREADER HF			0.125 %	V/V	21DAP					
8 AMS	100 SG		2 %	W/W	21DAP					
9 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	100	100	100	98
9 SQUADRON	2.33 EC		0.87 LB	A/A	PRE					
9 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	28DAP					
9 AMS	100 SG		2 %	W/W	28DAP					
10 VALOR	50 WG		0.063 LB	A/A	PRE	0	98	100	98	100
10 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE					
10 AMS	100 SG		2 %	W/W	PRE					
10 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP					
10 AMS	100 SG		2 %	W/W	28DAP					
11 V-10080	4.25 SC		1.063 LB	A/A	PRE	0	92	95	95	97
11 SPREADER HF			0.25 %	V/V	PRE					
11 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP					
11 AMS	100 SG		2 %	W/W	28DAP					
12 AUTHORITY	75 DF		0.117 LB	A/A	PRE	0	97	97	100	97
12 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE					
12 AMS	100 SG		2 %	W/W	PRE					
12 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP					
12 AMS	100 SG		2 %	W/W	28DAP					
13 AIM	40 DF		0.008 LB	A/A	PRE	0	95	95	95	97
13 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE					
13 AMS	100 SG		2 %	W/W	PRE					
13 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	28DAP					
13 AMS	100 SG		2 %	W/W	28DAP					
14 AIM	40 DF		0.016 LB	A/A	PRE	0	97	98	98	95
14 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE					
14 AMS	100 SG		2 %	W/W	PRE					
14 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	28DAP					
14 AMS	100 SG		2 %	W/W	28DAP					

09-20-01 (S1021)

AOV Means Table Page 3 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
15 AIM	40 DF	0.024	LB A/A	PRE		0	97	95	98
15 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE				
15 AMS	100 SG		2 %	W/W	PRE				
15 ROUNDUP ULTRAMAX	5 SL	0.75	LB A/A	28DAP					
15 AMS	100 SG		2 %	W/W	28DAP				
16 AIM	40 DF	0.008	LB A/A	PRE		0	95	92	95
16 COC	L		1 QT/A	PRE					
16 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP				
16 AMS	100 SG		2 %	W/W	28DAP				
17 AIM	40 DF	0.016	LB A/A	PRE		0	93	93	93
17 COC	L		1 QT/A	PRE					
17 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP				
17 AMS	100 SG		2 %	W/W	28DAP				
18 AIM	40 DF	0.024	LB A/A	PRE		0	93	92	93
18 COC	L		1 QT/A	PRE					
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP				
18 AMS	100 SG		2 %	W/W	28DAP				
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	95	95	95
19 AMS	100 SG		2 %	W/W	PRE				
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	28DAP				
19 AMS	100 SG		2 %	W/W	28DAP				
20 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	97	95	95
20 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				
21 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	95	95	95
21 AMS	100 SG		2 %	W/W	PRE				
21 GLYPHOMAX PLUS	4 SL		1 LB	A/A	28DAP				
21 AMS	100 SG		2 %	W/W	28DAP				
22 DOMAIN	60 DF	0.38	LB A/A	PRE		0	95	100	95
22 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE				
22 TOUCHDOWN IQ	4 SL		1 LB	A/A	28DAP				

09-20-01 (S1021)

AOV Means Table Page 4 of 6

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

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
23 DOMAIN	60 DF	0.49 LB	A/A PRE		0	95	100	95	100
23 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE						
23 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
24 DOMAIN	60 DF	0.60 LB	A/A PRE		0	97	100	97	100
24 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE						
24 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
25 SENCOR	75 DF	0.28 LB	A/A PRE		0	95	98	100	95
25 AUTHORITY	75 DF	0.09 LB	A/A PRE						
25 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE						
25 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
26 SENCOR	75 DF	0.19 LB	A/A PRE		0	98	98	100	95
26 FIRSTRATE	84 W	0.02 LB	A/A PRE						
26 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE						
26 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
27 SENCOR	75 DF	0.16 LB	A/A PRE		0	97	98	100	95
27 CANOPY XL									
27 AUTHORITY	75 DF	0.123 LB	A/A PRE						
27 CLASSIC	25 DF	0.02 LB	A/A PRE						
27 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
28 CANOPY XL									
28 AUTHORITY	75 DF	0.123 LB	A/A PRE		0	95	98	100	100
28 CLASSIC	25 DF	0.025 LB	A/A PRE						
28 TOUCHDOWN IQ	4 SL	1 LB	A/A PRE						
28 TOUCHDOWN IQ	4 SL	1 LB	A/A 28DAP						
29 GLYPHOMAX PLUS	4 SL	1 LB	A/A PRE		0	90	92	95	100
29 FIRSTRATE	84 W	0.008 LB	A/A 21DAP						
29 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A 21DAP						
30 GLYPHOMAX PLUS	4 SL	1 LB	A/A PRE		0	93	95	95	100
30 FIRSTRATE	84 W	0.012 LB	A/A 21DAP						
30 GLYPHOMAX PLUS	4 SL	0.75 LB	A/A 21DAP						

09-20-01 (S1021)

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

AOV Means Table Page 5 of 6

## NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	CHEAL	AMBTR	LACSE
Crop Code	GLXMA			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
31 GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE		0	95	95	95
31 FIRSTRATE	84 W		0.016	LB A/A 21DAP					
31 GLYPHOMAX PLUS	4 SL		0.5	LB A/A 21DAP					
32 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	97	95	97
32 FIRSTRATE	84 W		0.008	LB A/A 21DAP					
32 TOUCHDOWN IQ	4 SL		1	LB A/A 21DAP					
33 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	93	95	97
33 FIRSTRATE	84 W		0.012	LB A/A 21DAP					
33 TOUCHDOWN IQ	4 SL		1	LB A/A 21DAP					
34 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	95	93	95
34 FIRSTRATE	84 W		0.016	LB A/A 21DAP					
34 TOUCHDOWN IQ	4 SL		1	LB A/A 21DAP					
35 STRONGARM	82.2 WG		0.024	LB A/A PRE		0	57	73	95
35 GLYPHOMAX PLUS	4 SL		1	LB A/A PRE					
36 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	95	63	97
36 PHOENIX	2 EC		0.15	LB A/A 21DAP					
36 SELECT	2 EC		0.094	LB A/A 21DAP					
36 PRO-X	100 L		0.5	QT/A 21DAP					
37 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	95	68	95
37 PHOENIX	2 EC		0.15	LB A/A 21DAP					
37 SELECT	2 EC		0.125	LB A/A 21DAP					
37 PRO-X	100 L		0.5	QT/A 21DAP					
38 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	93	72	93
38 ASSURE II	0.8 EC		0.055	LB A/A 21DAP					
38 CLASSIC	25 DF		0.008	LB A/A 21DAP					
38									
39 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	95	70	95
39 COBRA	2 EC		0.15	LB A/A 21DAP					
39 SELECT	2 EC		0.125	LB A/A 21DAP					
39 COC	L		0.5	QT/A 21DAP					
39 AMS	100 SG		2.5	LB A/A 21DAP					



09-20-01 (S1021)

Site Description Page 1 of 3

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-07-01  
Country: USA

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	LACSE LETTUCE, PRICKLY	LACTUCA SERRIOLA L./TORN.

Crop 1: GLXMA SOYBEAN

Variety: ASGROW AG4702

Planting Date: 05-14-01

Planting Method: DRILLED

Rate: 200000 S/A

Depth: 1.25 IN

Row Spacing: 7.5 IN

Seed Bed: MEDIUM

Soil Temperature: 66 F

Soil Moisture: NORMAL

Emergence Date: 05-23-01

#### SITE AND DESIGN

Plot Width, Unit: 6.66 FT      Plot Length, Unit: 44 FT      Reps: 3

Site Type: FIELD

Study Design: SPLIT-BLOCK

Tillage Type: NO-TILL

#### SOIL DESCRIPTION

% Sand:	6	% OM:	2.8	Texture:	SILT LOAM
% Silt:	62	pH:	6.4	Soil Name:	MAURY
% Clay:	32	CEC:	17	Fert. Level:	EXCELLENT

09-20-01 (S1021)

Site Description Page 2 of 3

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack**Overall Moisture Conditions:** NORMAL**Closest Weather Station:** SPINDLETOP**Distance:** 1.5    **Unit:** MI**APPLICATION DESCRIPTION****A**      **B**      **C**

<b>Application Date:</b>	05-15-01	06-03-01	06-19-01
<b>Time of Day:</b>	10:00	1:00	10:00
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	21DAP	28DAP
<b>Applc. Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	71 F	58 F	75 F
<b>% Relative Humidity:</b>	60	73	64
<b>Wind Velocity, Unit:</b>	3 MPH	4 MPH	4 MPH
<b>Dew Presence (Y/N):</b>	N	N	N
<b>Soil Temp., Unit:</b>	66 F	63 F	80 F
<b>Soil Moisture:</b>	ADEQUATE	ADEQUATE	ADEQUATE
<b>% Cloud Cover:</b>	10	20	10

**CROP STAGE AT EACH APPLICATION****A**      **B**      **C**

<b>Crop 1 Code, Stage:</b>	GLXMA PRE	GLXMA 21DAP	GLXMA 28DAP
<b>Height, Unit:</b>		5 IN	8 IN

**WEED STAGE AT EACH APPLICATION****A**      **B**      **C**

<b>Weed 1 Code, Stage:</b>	SETFA PRE	SETFA 21DAP	SETFA 28DAP
<b>Stage Scale:</b>		3LF	5LF
<b>Density, Unit:</b>		4 IN	10 IN
<b>Weed 2 Code, Stage:</b>	AMBTR PRE	AMBTR 21DAP	AMBTR 28DAP
<b>Stage Scale:</b>		4LF	10LF
<b>Density, Unit:</b>		4 IN	15 IN
<b>Weed 3 Code, Stage:</b>	CHEAL PRE	CHEAL 21DAP	CHEAL 28DAP
<b>Stage Scale:</b>		4LF	8LF
<b>Density, Unit:</b>		6 IN	10 IN
<b>Weed 4 Code, Stage:</b>	LACSE PRE	LACSE 21DAP	LACSE 28DAP
<b>Stage Scale:</b>		12LF	25LF
<b>Density, Unit:</b>		15 IN	28 IN

09-20-01 (S1021)

Site Description Page 3 of 3

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

	APPLICATION EQUIPMENT		
	A	B	C
<b>Appl. Equipment:</b>	ATV	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30
<b>Nozzle Type:</b>	FLAT	FAN	FLAT FAN
<b>Nozzle Size:</b>	8004	DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20	IN	20 IN
<b>Boom Length, Unit:</b>	5	FT	5 FT
<b>Boom Height, Unit:</b>	19	IN	20 IN
<b>Ground Speed, Unit:</b>	4	MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24	GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2

09-26-01 (C1140)

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

AOV Means Table Page 1 of 3

## NO-TILL CORN SYSTEM 1

Trial ID: C1140  
Location: PRINCETON, KYStudy Dir.: JAMES MARTIN  
Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	DIGSA	SORHA	AMACH	IPOSS
ZEAMX				
INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P
0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	63	40	80	80
1 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE					
1 AMS	100 SG	1.5 %	W/W	PRE					
1 MON 12075	67.5 WG	0.169 LB	A/A	LMP					
1 SPREADER HF		0.25 %	V/V	LMP					
1 AMS	100 SG	1.5 %	W/W	LMP					
1 8362 IT									
2 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	53	70	93	90
2 AMS	100 SG	1.5 %	W/W	PRE					
2 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE					
2 EXCEED	57 DF	0.036 LB	A/A	LMP					
2 COC	L	1 QT/A		LMP					
2 AMS	100 SG	1.5 %	W/W	LMP					
2 8362 IT									
3 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	85	70	85	85
3 AMS	100 SG	1.5 LB	A/A	PRE					
3 AATREX	4 F	1 LB	A/A	PRE					
3 LIGHTNING	70 DG	0.056 LB	A/A	LMP					
3 COC	L	1 QT/A		LMP					
3 AMS	100 SG	1.5 %	W/W	LMP					
3 8362 IT									
4 8362 IT (BUFFER STRIP)					0	0	0	0	0
5 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	0	65	85	65	65
5 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
5 AMS	100 SG	1.5 LB	A/A	PRE					
5 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP					
5 AMS	100 SG	1.5 %	W/W	LMP					
5 64-10									
6 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE	0	68	88	73	80
6 AMS	100 SG	1.5 LB	A/A	PRE					
6 READYMASTER ATZ	4 SC	2 LB	A/A	LMP					
6 AMS	100 SG	1.5 %	W/W	LMP					
6 64-10									

09-26-01 (C1140)

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

AOV Means Table Page 2 of 3

## NO-TILL CORN SYSTEM 1

Trial ID: C1140  
Location: PRINCETON, KYStudy Dir.: JAMES MARTIN  
Investigator: Charles SlackWeed Code  
Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
ARM Action Codes  
# Subsamples, Dec.

	DIGSA	SORHA	AMACH	IPOSS
ZEAMX				
INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P
0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
7 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	65	18	73	70
7 HARNESS XTRA	5.6 EC		3.36 LB	A/A	PRE					
7 AMS	100 SG		1.5 %	W/W	PRE					
7 MON 12075	67.5 WG		0.169 LB	A/A	LMP					
7 SPREADER HF			0.25 %	V/V	LMP					
7 AMS	100 SG		1.5 %	W/W	LMP					
7 64-10										
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	60	65	78	85
8 AMS	100 SG		1.5 %	W/W	PRE					
8 BICEP II MAGNUM	5.5 L		2.89 LB	A/A	PRE					
8 EXCEED	57 DF		0.036 LB	A/A	LMP					
8 COC	L		1 QT/A		LMP					
8 AMS	100 SG		1.5 %	W/W	LMP					
8 64-10										
9 DEGREE XTRA	4.04 CS		1.5 LB	A/A	PRE	0	48	93	75	75
9 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE					
9 AMS	100 SG		1.5 LB	A/A	PRE					
9 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LMP					
9 AMS	100 SG		1.5 %	W/W	LMP					
9 738RR										
10 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	58	90	65	65
10 AMS	100 SG		1.5 LB	A/A	PRE					
10 READYMASTER ATZ	4 SC		2 LB	A/A	LMP					
10 AMS	100 SG		1.5 %	W/W	LMP					
10 738RR										
11 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	65	55	78	78
11 HARNESS XTRA	5.6 EC		3.36 LB	A/A	PRE					
11 AMS	100 SG		1.5 %	W/W	PRE					
11 MON 12075	67.5 WG		0.169 LB	A/A	LMP					
11 SPREADER HF			0.25 %	V/V	LMP					
11 AMS	100 SG		1.5 %	W/W	LMP					
11 738RR										

09-26-01 (C1140)

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

AOV Means Table Page 3 of 3

## NO-TILL CORN SYSTEM 1

Trial ID: C1140  
Location: PRINCETON, KYStudy Dir.: JAMES MARTIN  
Investigator: Charles Slack

Weed Code	DIGSA	SORHA	AMACH	IPOSS
Crop Code	ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	DIGSA	SORHA	AMACH	IPOSS
12 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	68	68	85
12 AMS	100 SG		1.5 %	W/W	PRE				
12 BICEP II MAGNUM	5.5 L		2.89 LB	A/A	PRE				
12 EXCEED	57 DF		0.036 LB	A/A	LMP				
12 COC	L		1 QT/A		LMP				
12 AMS	100 SG		1.5 %	W/W	LMP				
12 738RR									
13 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	0	0	0
13 AMS	100 SG		1.5 %	W/W	PRE				
13 738RR (BUFFER STRIP)									
14 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	75	0	85
14 HARNESS XTRA	5.6 EC		3.36 LB	A/A	PRE				
14 AMS	100 SG		1.5 %	W/W	PRE				
14 MON 12075	67.5 WG		0.169 LB	A/A	LMP				
14 SPREADER HF			0.25 %	V/V	LMP				
14 AMS	100 SG		1.5 %	W/W	LMP				
14 8481 IT									
15 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	58	75	93
15 AMS	100 SG		1.5 %	W/W	PRE				
15 BICEP II MAGNUM	5.5 L		2.89 LB	A/A	PRE				
15 EXCEED	57 DF		0.036 LB	A/A	LMP				
15 COC	L		1 QT/A		LMP				
15 AMS	100 SG		1.5 %	W/W	LMP				
15 8481 IT									
16 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	65	85	93
16 AMS	100 SG		1.5 LB	A/A	PRE				
16 AATREX	4 F		1 LB	A/A	PRE				
16 LIGHTNING	70 DG		0.056 LB	A/A	LMP				
16 COC	L		1 QT/A		LMP				
16 AMS	100 SG		1.5 %	W/W	LMP				
16 8481 IT									
LSD (P=.05)			0.0		23.4	27.4	13.1	12.4	
Standard Deviation			0.0		16.4	19.2	9.2	8.7	
CV			0.0		29.35	34.09	13.17	12.35	

09-26-01 (C1140)

Site Description Page 1 of 4

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

NO-TILL CORN SYSTEM 1

Trial ID: C1140

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY

Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** JAMES MARTIN

**Affiliation:** UNIVERSITY OF KENTUCKY

**Investigator:** Charles Slack

**Affiliation:** UNIVERSITY OF KENTUCKY

**Postal Code:** 40546

**TRIAL LOCATION**

**City:** PRINCETON

**Trial Status:** COMPLETE

**State/Prov.:** KY

**Initiation Date:** 04-18-01

**Country:** USA

**Conducted Under GLP (Y/N):** N

**Conducted Under GEP (Y/N):** N

**CROP AND WEED DESCRIPTION**

**Weed Code**      **Common Name**

**Scientific Name**

- |    |                                 |                                  |
|----|---------------------------------|----------------------------------|
| 1. | DIGSA CRABGRASS, LARGE          | DIGITARIA SANGUINALIS (L.) SCOP. |
| 2. | SORHA JOHNSONGRASS              | SORGHUM HALEPENSE                |
| 3. | AMACH PIGWEED, SMOOTH           | AMARANTHUS CHLOROSTACHYS WILLD.  |
| 4. | IPOSS MORNINGGLORY, IPOMOEA SP. | IPOMOEA SP.                      |

**Crop 1:** ZEAMX CORN, FIELD

**Variety:** GARST 8541IT

**Planting Date:** 04-18-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 58 F **Soil Moisture:** NORMAL

**Emergence Date:** 04-24-01

**Crop 2:** ZEAMX CORN, FIELD

**Variety:** GARST 8581IT

**Planting Date:** 04-18-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 58 F **Soil Moisture:** NORMAL

**Emergence Date:** 04-24-01

09-26-01 (C1140)

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

Site Description Page 2 of 4

NO-TILL CORN SYSTEM 1

Trial ID: C1140 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY Investigator: Charles Slack

Crop 3: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10  
Planting Date: 04-18-01 Planting Method: ROW  
Rate: 28000 S/A Depth: 1.5 IN  
Row Spacing: 30 IN Seed Bed: MEDIUM  
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Crop 4: ZEAMX CORN, FIELD Variety: ASGROW RX740RR  
Planting Date: 04-18-01 Planting Method: ROW  
Rate: 28000 S/A Depth: 1.5 IN  
Row Spacing: 30 IN Seed Bed: MEDIUM  
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4  
Study Design: RANDOMIZED COMPLETE BLOCK

SITE AND DESIGN  
SOIL DESCRIPTION  
% Sand: 25 % OM: 1.2 Texture: SILT LOAM  
% Silt: 47 pH: 6.5 Soil Name: CRIDER  
% Clay: 28 Fert. Level: EXCELLEMT

Overall Moisture Conditions: NORMAL  
Closest Weather Station: PRINCETON Distance: 0.5 Unit: MI

APPLICATION DESCRIPTION  
A B  
Application Date: 04-19-01 05-15-01  
Time of Day: 11:00 11:00  
Application Method: SPRAY SPRAY  
Application Timing: PRE LMP  
Appli. Placement: BROSOI BROFOL  
Air Temp., Unit: 56 F 68 F  
% Relative Humidity: 61 70  
Wind Velocity, Unit: 3 MPH 4 MPH  
Dew Presence (Y/N): N N  
Soil Temp., Unit: 68 F 72 F  
Soil Moisture: ADEQUATE ADEQUATE  
% Cloud Cover: 10 10

09-26-01 (C1140)

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

Site Description Page 3 of 4

NO-TILL CORN SYSTEM 1

Trial ID: C1140 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A	B
Crop 1 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
Crop 2 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
Crop 3 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
Crop 4 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN

WEED STAGE AT EACH APPLICATION

A	B
Weed 1 Code, Stage: DIGSA PRE	DIGSA LMP
Stage Scale:	3LF
Density, Unit:	3 IN
Weed 2 Code, Stage: SORHA PRE	SORHA LMP
Stage Scale:	5LF
Density, Unit:	10 IN
Weed 3 Code, Stage: AMACH PRE	AMACH LMP
Stage Scale:	3LF
Density, Unit:	4 IN
Weed 4 Code, Stage: IPOSS PRE	IPOSS LMP
Stage Scale:	3LF
Density, Unit:	4 IN

09-26-01 (C1140)

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

Site Description Page 4 of 4

NO-TILL CORN SYSTEM 1

Trial ID: C1140                      Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY              Investigator: Charles Slack

APPLICATION EQUIPMENT

A                      B

Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-26-01 (C1142)

AOV Means Table Page 1 of 2

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

## NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

Weed Code	XANST	AMBTR	IPOHE
Crop Code	ZEAMX		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
1 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	3	78	68	80	
1 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
1 AMS	100 SG	1.5 %	W/W	PRE					
1 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP					
1 AMS	100 SG	1.5 %	W/W	LMP					
1 DK 626									
2 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	3	98	90	97	
2 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
2 AMS	100 SG	1.5 %	W/W	PRE					
2 EXCEED	57 DF	0.036 LB	A/A	LMP					
2 COC	L	1 QT/A		LMP					
2 AMS	100 SG	1.5 %	W/W	LMP					
2 DK 626									
3 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	0	78	70	75	
3 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
3 AMS	100 SG	1.5 %	W/W	PRE					
3 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP					
3 AMS	100 SG	1.5 %	W/W	LMP					
3 DKC 64-10									
4 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	3	85	83	85	
4 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
4 AMS	100 SG	1.5 %	W/W	PRE					
4 EXCEED	57 DF	0.036 LB	A/A	LMP					
4 COC	L	1 QT/A		LMP					
4 AMS	100 SG	1.5 %	W/W	LMP					
4 DKC 64-10									
5 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	3	70	65	65	
5 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	PRE					
5 AMS	100 SG	1.5 %	W/W	PRE					
5 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP					
5 AMS	100 SG	1.5 %	W/W	LMP					
5 RX740RR									

09-26-01 (C1142)

Site Description Page 1 of 3

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

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: JAMES MARTIN  
Affiliation: UNIVERSITY OF KENTUCKY  
Investigator: Charles Slack  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546

TRIAL LOCATION

City: PRINCETON Trial Status: COMPLETE  
State/Prov.: KY Initiation Date: 04-18-01  
Country: USA

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DK626RR

Planting Date: 04-18-01 Planting Method: ROW

Rate: 28000 S/A Depth: 1.5 IN

Row Spacing: 30 IN Seed Bed: MEDIUM

Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10

Planting Date: 04-18-01 Planting Method: ROW

Rate: 28000 S/A Depth: 1.5 IN

Row Spacing: 30 IN Seed Bed: MEDIUM

Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Crop 3: ZEAMX CORN, FIELD Variety: ASGROW RX740RR

Planting Date: 04-18-01 Planting Method: ROW

Rate: 28000 S/A Depth: 1.5 IN

Row Spacing: 30 IN Seed Bed: MEDIUM

Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

09-26-01 (C1142)

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

Site Description Page 2 of 3

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: ASGROW RX738RR  
Planting Date: 04-18-01 Planting Method: ROW  
Rate: 28000 S/A Depth: 1.5 IN  
Row Spacing: 30 IN Seed Bed: MEDIUM  
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4  
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 25 % OM: 1.2 Texture: SILT LOAM  
% Silt: 47 PH: 6.5 Soil Name: CRIDER  
% Clay: 28 Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: PRINCETON Distance: 0.5 Unit: MI

APPLICATION DESCRIPTION

A B

Application Date:	04-19-01	05-15-01
Time of Day:	2:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	78 F
% Relative Humidity:	61	75
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

09-26-01 (C1142)

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

Site Description Page 3 of 3

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A	B
Crop 1 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
Crop 2 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
Crop 3 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN
Crop 4 Code, Stage: ZEAMX PRE	ZEAMX LMP
Height, Unit:	12 IN

WEED STAGE AT EACH APPLICATION

A	B
Weed 1 Code, Stage: XANST PRE	XANST LMP
Stage Scale:	3LF
Density, Unit:	4 IN
Weed 2 Code, Stage: AMBTR PRE	AMBTR LMP
Stage Scale:	4LF
Density, Unit:	6 IN
Weed 3 Code, Stage: IPOHE PRE	IPOHE LMP
Stage Scale:	3LF
Density, Unit:	3 IN

APPLICATION EQUIPMENT

A	B	
Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-26-01 (C1141)

AOV Means Table Page 1 of 3

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

## CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles SlackWeed Code  
Crop Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
ARM Action Codes  
# Subsamples, Dec.

	BRAPP	CYPES	IPOHE	POLPY
ZEAMX				
INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P
0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	BRAPP	CYPES	IPOHE	POLPY
1 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE	0	90	90	93	95
1 MON 12075	67.5 WG	0.169 LB	A/A	LMP					
1 SPREADER HF		0.25 %	V/V	LMP					
1 AMS	100 SG	1.5 %	W/W	LMP					
1 8362 IT									
2 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	0	85	85	78	88
2 EXCEED	57 DF	0.036 LB	A/A	LMP					
2 COC	L	1 QT/A		LMP					
2 AMS	100 SG	1.5 %	W/W	LMP					
2 8362 IT									
3 AATREX	4 F	1 LB	A/A	PRE	0	85	85	75	75
3 LIGHTNING	70 DG	0.056 LB	A/A	LMP					
3 COC	L	1 QT/A		LMP					
3 AMS	100 SG	1.5 %	W/W	LMP					
3 8362 IT									
4 8362 IT (BUFFER STRIP)					0	0	0	0	0
5 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	0	88	75	60	78
5 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP					
5 AMS	100 SG	1.5 %	W/W	LMP					
5 DKC 64-10									
6 READYMASTER ATZ	4 SC	2 LB	A/A	LMP	3	90	75	90	93
6 AMS	100 SG	1.5 %	W/W	LMP					
6 DKC 64-10									
7 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE	8	93	88	73	95
7 MON 12075	67.5 WG	0.169 LB	A/A	LMP					
7 SPREADER HF		0.25 %	V/V	LMP					
7 AMS	100 SG	1.5 %	W/W	LMP					
7 DKC 64-10									

09-26-01 (C1141)

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

AOV Means Table Page 2 of 3

## CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN  
 Location: PRINCETON, KY. Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

BRAPP CYPES IPOHE POLPY

ZEAMX

INJURY CONTROL CONTROL CONTROL CONTROL

PERCENT PERCENT PERCENT PERCENT PERCENT

4 WEEK 4 WEEK 4 WEEK 4 WEEK 4 WEEK

P

P

P

P

P

0

0

0

0

0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	BRAPP	CYPES	IPOHE	POLPY
8 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	3	68	93	75	90
8 EXCEED	57 DF	0.036 LB	A/A	LMP					
8 COC	L	1 QT/A		LMP					
8 AMS	100 SG	1.5 %	W/W	LMP					
8 DKC 64-10									
9 DEGREE XTRA	4.04 CS	1.5 LB	A/A	PRE	3	90	63	42	70
9 ROUNDUP ULTRAMAX	5 SL	1 LB	A/A	LMP					
9 AMS	100 SG	1.5 %	W/W	LMP					
9 738RR									
10 READYMASTER ATZ	4 SC	2 LB	A/A	LMP	3	85	53	80	93
10 AMS	100 SG	1.5 %	W/W	LMP					
10 738RR									
11 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE	3	85	85	85	88
11 MON 12075	67.5 WG	0.169 LB	A/A	LMP					
11 SPREADER HF		0.25 %	V/V	LMP					
11 AMS	100 SG	1.5 %	W/W	LMP					
11 738RR									
12 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	5	68	70	68	83
12 EXCEED	57 DF	0.036 LB	A/A	LMP					
12 COC	L	1 QT/A		LMP					
12 AMS	100 SG	1.5 %	W/W	LMP					
12 738RR									
13 738RR (BUFFER STRIP)					0	0	0	0	0
14 HARNESS XTRA	5.6 EC	3.36 LB	A/A	PRE	0	93	93	88	93
14 MON 12075	67.5 WG	0.169 LB	A/A	LMP					
14 SPREADER HF		0.25 %	V/V	LMP					
14 AMS	100 SG	1.5 %	W/W	LMP					
14 8481 IT									

09-26-01 (C1141)

AOV Means Table Page 3 of 3

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

## CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN  
 Location: PRINCETON, KY. Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	BRAPP	CYPES	IPOHE	POLPY
ZEAMX				
INJURY	CONTROL	CONTROL	CONTROL	CONTROL
PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
P	P	P	P	P
0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg				
15 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	3	80	90	75	100
15 EXCEED	57 DF	0.036 LB	A/A	LMP					
15 COC	L	1 QT/A		LMP					
15 AMS	100 SG	1.5 %	W/W	LMP					
15 8481 IT									
16 AATREX	4 F	1 LB	A/A	PRE	3	88	75	70	95
16 LIGHTNING	70 DG	0.056 LB	A/A	LMP					
16 COC	L	1 QT/A		LMP					
16 AMS	100 SG	1.5 %	W/W	LMP					
16 8481 IT									
LSD (P=.05)		5.3	11.6	18.4	20.0	9.5			
Standard Deviation		3.7	8.1	12.8	14.0	6.7			
CV		198.76	10.92	18.39	21.31	8.64			

09-26-01 (C1141)

Site Description Page 1 of 4

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** JAMES MARTIN  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Investigator:** Charles Slack  
**Affiliation:** UNIVERSITYOF KENTUCKY  
**Postal Code:** 40546

**TRIAL LOCATION**

**City:** PRINCETON  
**State/Prov.:** DUST

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	BRAPP SIGNALGRASS, BROADLEAF	BRACHIARIA PLATYPHYLLA (GRISEB.) NASH
2.	CYPES NUTSEDGE, YELLOW	CYPERUS ESCULENTUS L.
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.
4.	POLPY SMARTWEED, PENNSYLVANIA	POLYGONUM PENNSylvanicum L.

**Crop 1:** ZEAMX CORN, FIELD      **Variety:** GARST 8362IT

**Planting Date:** 04-18-01      **Planting Method:** ROW

**Rate:** 28000 S/A      **Depth:** 1.5 IN

**Row Spacing:** 30 IN      **Seed Bed:** MEDIUM

**Soil Temperature:** 58 F      **Soil Moisture:** NORMAL      **Emergence Date:** 04-24-01

**Crop 2:** ZEAMX CORN, FIELD      **Variety:** GARST 8481IT

**Planting Date:** 04-18-01      **Planting Method:** ROW

**Rate:** 28000 S/A      **Depth:** 1.5 IN

**Row Spacing:** 30 IN      **Seed Bed:** MEDIUM

**Soil Temperature:** 58 F      **Soil Moisture:** NORMAL      **Emergence Date:** 04-24-01

**Crop 3:** ZEAMX CORN, FIELD      **Variety:** DEKALB DKC64-10

**Planting Date:** 04-18-01      **Planting Method:** ROW

**Rate:** 28000 S/A      **Depth:** 1.5 IN

**Row Spacing:** 30 IN      **Seed Bed:** MEDIUM

**Soil Temperature:** 58 F      **Soil Moisture:** NORMAL      **Emergence Date:** 04-24-01

09-26-01 (C1141)

Site Description Page 2 of 4

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

**Crop 4:** ZEAMX CORN, FIELD

**Variety:** ASGROW RX740RR

**Planting Date:** 04-18-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 58 F

**Soil Moisture:** NORMAL

**Emergence Date:** 04-24-01

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT

**Plot Length, Unit:** 33 FT

**Reps:** 4

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

**% Sand:** 25

**% OM:** 1.2

**Texture:** SILT LOAM

**% Silt:** 47

**pH:** 6.5

**Soil Name:** CRIDER

**% Clay:** 28

**Fert. Level:** EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** PRINCETON

**Distance:** 0.5 **Unit:** MI

**APPLICATION DESCRIPTION**

**A              B**

**Application Date:** 04-19-01 05-15-01

**Time of Day:** 1:00 1:00

**Application Method:** SPRAY SPRAY

**Application Timing:** PRE LMP

**Applic. Placement:** BROSOI BROFOL

**Air Temp., Unit:** 56 F 68 F

**% Relative Humidity:** 61 70

**Wind Velocity, Unit:** 3 MPH 4 MPH

**Dew Presence (Y/N):** N N

**Soil Temp., Unit:** 68 F 75 F

**Soil Moisture:** ADEQUATE ADEQUATE

**% Cloud Cover:** 10 10

09-26-01 (C1141)

Site Description Page 3 of 4

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141                    Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY.         Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A

B

Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 2 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 3 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN
Crop 4 Code, Stage:	ZEAMX PRE	ZEAMX LMP
Height, Unit:		12 IN

WEED STAGE AT EACH APPLICATION

A

B

Weed 1 Code, Stage:	BRAPP PRE	BRAPP LMP
Stage Scale:		3LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	CYPES PRE	CYPES LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 3 Code, Stage:	IPOHE PRE	IPOHE LMP
Stage Scale:		3LF
Density, Unit:		3 IN
Weed 4 Code, Stage:	POLPY PRE	POLPY LMP
Stage Scale:		3LF
Density, Unit:		4 IN

09-26-01 (C1141)

Site Description Page 4 of 4

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141                            Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY.                 Investigator: Charles Slack

APPLICATION EQUIPMENT

A    B

Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-26-01 (C1143)

AOV Means Table Page 1 of 2

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

## CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN  
 Location: PRINCETON, KY. Investigator: Charles Slack

Weed Code	IPOHE
Crop Code	ZEAMX
Rating Data Type	INJURY CONTROL
Rating Unit	PERCENT PERCENT
Rating Date	06-10-01 06-10-01
Trt-Eval Interval	4 WEEK 4 WEEK
ARM Action Codes	P P
# Subsamples, Dec.	0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
1 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE
1 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP
1 AMS	100	SG	1.5	% W/W	LMP
1 DK 626					
2 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE
2 EXCEED	57	DF	0.036	LB A/A	LMP
2 COC		L	1	QT/A	LMP
2 AMS	100	SG	1.5	% W/W	LMP
2 DK 626					
3 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE
3 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP
3 AMS	100	SG	1.5	% W/W	LMP
3 DKC 64-10					
4 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE
4 EXCEED	57	DF	0.036	LB A/A	LMP
4 COC		L	1	QT/A	LMP
4 AMS	100	SG	1.5	% W/W	LMP
4 DKC 64-10					
5 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE
5 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP
5 AMS	100	SG	1.5	% W/W	LMP
5 RX740RR					
6 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE
6 EXCEED	57	DF	0.036	LB A/A	LMP
6 COC		L	1	QT/A	LMP
6 AMS	100	SG	1.5	% W/W	LMP
6 RX740RR					
7 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE
7 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP
7 AMS	100	SG	1.5	% W/W	LMP
7 RX738RR					

09-26-01 (C1143)

AOV Means Table Page 2 of 2

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

## CORN CONVENTIONAL SYSTEM II

Trial ID: C1143                          Study Dir.: JAMES MARTIN  
 Location: PRINCETON, KY.              Investigator: Charles Slack

Weed Code	IPOHE
Crop Code	ZEAMX
Rating Data Type	INJURY    CONTROL
Rating Unit	PERCENT    PERCENT
Rating Date	06-10-01    06-10-01
Trt-Eval Interval	4 WEEK    4 WEEK
ARM Action Codes	P    P
# Subsamples, Dec.	0    0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
8 BICEP II MAGNUM	5.5 L	2.89 LB	A/A	PRE	0    80
8 EXCEED	57 DF	0.036 LB	A/A	LMP	.
8 COC	L	1 QT/A		LMP	.
8 AMS	100 SG	1.5 % W/W		LMP	.
8 RX738RR					.
LSD (P=.05)		7.3	24.8	.	.
Standard Deviation		4.9	16.9	.	.
CV		263.47	23.92	.	.

09-26-01 (C1143)

Site Description Page 1 of 3

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

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** JAMES MARTIN  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Investigator:** Charles Slack  
**Affiliation:** UNIVERSITY OF KENTUCKY  
**Postal Code:** 40546

**TRIAL LOCATION**

**City:** PRINCETON                   **Trial Status:** COMPLETE  
**State/Prov.:** KY                   **Initiation Date:** 04-18-01  
**Country:** USA

Conducted Under GLP (Y/N): N                   Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

**Weed Code**      **Common Name**      **Scientific Name**  
1. IPOHE MORNINGGLORY, IVYLEAF IPOMOEA HEDERACEA (L.) JACQ.

**Crop 1:** ZEAMX CORN, FIELD                   **Variety:** DEKALB DK626RR  
**Planting Date:** 04-18-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 58 F   **Soil Moisture:** NORMAL                   **Emergence Date:** 04-24-01

**Crop 2:** ZEAMX CORN, FIELD                   **Variety:** DEKALB DKC64-10  
**Planting Date:** 04-18-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 58 F   **Soil Moisture:** NORMAL                   **Emergence Date:** 04-24-01

**Crop 3:** ZEAMX CORN, FIELD                   **Variety:** ASGROW RX740RR  
**Planting Date:** 04-18-01                   **Planting Method:** ROW  
**Rate:** 28000 S/A                   **Depth:** 1.5 IN  
**Row Spacing:** 30 IN                   **Seed Bed:** MEDIUM  
**Soil Temperature:** 58 F   **Soil Moisture:** NORMAL                   **Emergence Date:** 04-24-01

09-26-01 (C1143)

Site Description Page 2 of 3

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

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

**Crop 4:** ZEAMX CORN, FIELD

**Variety:** ASGROW RX 738RR

**Planting Date:** 04-18-01

**Planting Method:** ROW

**Rate:** 28000 S/A

**Depth:** 1.5 IN

**Row Spacing:** 30 IN

**Seed Bed:** MEDIUM

**Soil Temperature:** 58 F

**Soil Moisture:** NORMAL

**Emergence Date:** 04-24-01

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT

**Plot Length, Unit:** 33 FT

**Reps:** 4

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

**% Sand:** 25 % OM: 1.2

**Texture:** SILT LOAM

**% Silt:** 47 pH: 6.5

**Soil Name:** CRIDER

**% Clay:** 28

**Fert. Level:** EXCELLENT

**Overall Moisture Conditions:** NORMAL

**Closest Weather Station:** PRINCETON

**Distance:** 0.5 **Unit:** MI

**APPLICATION DESCRIPTION**

**A**

**B**

**Application Date:** 04-19-01 05-15-01

**Time of Day:** 10:00 11:00

**Application Method:** SPRAY SPRAY

**Application Timing:** PRE LMP

**Applic. Placement:** BROSOI BROFOL

**Air Temp., Unit:** 56 F 68 F

**% Relative Humidity:** 61 70

**Wind Velocity, Unit:** 3 MPH 4 MPH

**Dew Presence (Y/N):** N N

**Soil Temp., Unit:** 58 F 70 F

**Soil Moisture:** ADEQUATE ADEQUATE

**% Cloud Cover:** 10 10

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

## CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN  
Location: PRINCETON, KY. Investigator: Charles Slack

## CROP STAGE AT EACH APPLICATION

A	B
Crop 1 Code, Stage:	ZEAMX PRE
Height, Unit:	12 IN
Crop 2 Code, Stage:	ZEAMX PRE
Height, Unit:	12 IN
Crop 3 Code, Stage:	ZEAMX PRE
Height, Unit:	12 IN
Crop 4 Code, Stage:	ZEAMX PRE
Height, Unit:	12 IN

## WEED STAGE AT EACH APPLICATION

A	B
Weed 1 Code, Stage:	IPOHE PRE
Stage Scale:	3LF
Density, Unit:	4 IN

## APPLICATION EQUIPMENT

A	B	
Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	5 FT	5 FT
Boom Height, Unit:	19 IN	20 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

09-20-01 (T1001)

AOV Means Table Page 1 of 1

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

BURLEY TOBACCO

Trial ID: T1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

	NIOTA	SETFA	ABUTH	AMBTR	AMACH	NIOTA	SETFA	ABUTH	AMBTR	AMACH
	INJURY	CONTROL								
	PERCENT									
	2 WEEK	4 WEEK								
	P	P	P	P	P	P	P	P	P	P
	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg	NIOTA	SETFA	ABUTH	AMBTR	AMACH
1 SPARTAN	4 F	0.313 LB	A/A	PPI		0	92	95	95	95
2 SPARTAN	4 F	0.313 LB	A/A	PRT		0	92	95	92	90
3 SPARTAN	4 F	0.313 LB	A/A	PPI		0	93	95	93	88
3 COMMAND	3 ME	0.75 LB	A/A	PPI						
4 SPARTAN	4 F	0.313 LB	A/A	PRT		0	95	95	95	93
4 COMMAND	3 ME	0.75 LB	A/A	PRT						87
5 SPARTAN	4 F	0.313 LB	A/A	PRT		0	93	95	95	95
5 COMMAND	3 ME	0.75 LB	A/A	LBY						90
6 SPARTAN	4 F	0.313 LB	A/A	PPI		0	95	95	95	92
6 PROWL	3.3 EC	0.75 LB	A/A	PPI						88
7 SPARTAN	4 F	0.313 LB	A/A	PRT		0	95	95	95	92
7 PROWL	3.3 EC	0.75 LB	A/A	PRT						87
8 PROWL	3.3 EC	0.75 LB	A/A	PPI		0	95	95	95	88
8 COMMAND	3 ME	0.75 LB	A/A	LBY						87
9 SPARTAN	4 F	0.313 LB	A/A	PRT		0	95	95	93	90
9 POAST	1.53 EC	0.28 LB	A/A	LBY						92
9 COC	L	1 QT/A		LBY						92
10 CHECK CULTIVATED						0	0	0	0	0
LSD (P=.05)						0.0	2.8	0.0	1.6	3.9
Standard Deviation						0.0	1.6	0.0	0.9	2.3
CV						0.0	1.91	0.0	1.07	2.75
										0.0
										1.96
										3.19
										3.89
										3.63

09-20-01 (T1001)

Site Description Page 1 of 3

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

BURLEY TOBACCO

Trial ID: T1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK  
Affiliation: UNIVERSITY OF KENTUCKY  
Postal Code: 40546  
Investigator: Charles Slack

#### TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE  
State/Prov.: KY  
Postal Code: 40511 Initiation Date: 05-07-01  
Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.

Crop 1: NIOTA TOBACCO, BURLEY Variety: NC 3

Planting Date: 06-06-01 Planting Method: ROW

Rate: 7474 P/A Depth: 2 IN

Row Spacing: 40 IN Seed Bed: VERY FINE

Soil Temperature: 73 F Soil Moisture: NORMAL

#### SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 44 FT Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand:	6	% OM:	3	Texture:	SILT LOAM
% Silt:	64	pH:	6.5	Soil Name:	MAURY
% Clay:	30	CEC:	17	Fert. Level:	EXCELLENT

09-20-01 (T1001)

Site Description Page 2 of 3

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

BURLEY TOBACCO

Trial ID: T1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.0 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	06-06-01	06-06-01	06-29-01
Time of Day:	11:00	11:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PPI	PRT	POST
Appli. Placement:	BROSOI	BROSOI	BROFOL
Air Temp., Unit:	75 F	75 F	74 F
% Relative Humidity:	77	77	73
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	73 F	73 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	NIOTA PPI	NIOTA PRT	NIOTA POST
Height, Unit:			18 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PPI	SETFA PRT	SETFA POST
Stage Scale:			2LF
Density, Unit:			3 IN
Weed 2 Code, Stage:	ABUTH PPI	ABUTH PRT	ABUTH POST
Stage Scale:			4LF
Density, Unit:			3 IN
Weed 3 Code, Stage:	AMBTR PPI	AMBTR PRT	AMBTR POST
Stage Scale:			4LF
Density, Unit:			4 IN
Weed 4 Code, Stage:	AMACH PPI	AMACH PRT	AMACH POST
Stage Scale:			4LF
Density, Unit:			3 IN

09-20-01 (T1001)

**Dept. of Agronomy, Univ. of Ky  
Weed Science Field Research**

Site Description Page 3 of 3

BURLEY TOBACCO

Trial ID: T1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

## **APPLICATION EQUIPMENT**

	A	B	C
<b>Appl. Equipment:</b>	BACKPACK	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	30	30	30
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	8004 DG	8004 DG	8004 DG
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN	20 IN
<b>Boom Length, Unit:</b>	5 FT	5 FT	5 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3.5 MPH	3.5 MPH	3.5 MPH
<b>Carrier:</b>	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	24 GPA	24 GPA	24 GPA
<b>Propellant:</b>	CO2	CO2	CO2

09-26-01 (SCR1001)

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

AOV Means Table Page 1 of 1

## SCREEN

Trial ID: SCR1001  
Location:Study Dir.: CHARLES H. SLACK  
Investigator: Charles SlackWeed Code  
Rating Data Type  
Rating Unit  
Trt-Eval Interval  
ARM Action Codes  
# Subsamples, Dec.

	SETFA	BRAPP	DIGSA									
	PERCENT											
	CONTROL											
	0	WEEK 0	WEEK 0	WEEK 2	WEEK 2	WEEK 4	WEEK 4	WEEK 6	WEEK 6	WEEK 6	WEEK 6	WEEK
	P	P	P	P	P	P	P	P	P	P	P	P
	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	0	0	0	0	0	0
1 CHECK						0	0	0	0	0	0	0
2 DUAL II MAGNUM	7.6 EC	1.27 LB	A/A			100	90	100	100	78	100	88
3 AXIOM	68 DF	0.64 LB	A/A			100	83	100	100	78	100	75
4 TOPNOTCH	3.2 CS	1.6 LB	A/A			100	90	100	100	73	100	70
5 DEGREE	3.8 CS	1.54 LB	A/A			100	88	100	100	83	100	83
6 HARNESS	7 EC	1.53 LB	A/A			100	85	100	100	78	100	73
7 FRONTIER	6 E	1.7 LB	A/A			100	88	100	100	80	100	73
8 OUTLOOK	6 EC	0.7 LB	A/A			100	85	100	100	78	100	65
9 BALANCE	75 WG	0.06 LB	A/A			100	88	100	100	85	100	75
10 DEFINE	60 DF	0.53 LB	A/A			100	88	100	100	78	100	80
11 BASIS	75 DF	0.047 LB	A/A			100	100	100	100	95	100	80
LSD (P=.05)						0.0	12.6	0.0	0.0	9.8	0.0	11.1
Standard Deviation						0.0	8.7	0.0	0.0	6.8	0.0	7.7
CV						0.0	10.86	0.0	0.0	9.27	0.0	11.1
										12.99	0.0	12.23
											15.69	12.18

09-26-01 (SCR1001)

AOV Means Table Page 1 of 1

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

## SCREEN

Trial ID: SCR1001

Study Dir.: CHARLES H. SLACK

Location:

Investigator: Charles Slack

Weed Code                   SETFA   BRAPP   DIGSA  
 Rating Data Type           PERCENT   PERCENT   PERCENT  
 Rating Unit                CONTROL    CONTROL    CONTROL  
 Trt-Eval Interval          8 WEEK    8 WEEK    8 WEEK  
 ARM Action Codes           P           P           P  
 # Subsamples, Dec.        0           0           0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg
1 CHECK				0	0
2 DUAL II MAGNUM	7.6 EC	1.27 LB	A/A	48	53
3 AXIOM	68 DF	0.64 LB	A/A	45	60
4 TOPNOTCH	3.2 CS	1.6 LB	A/A	28	28
5 DEGREE	3.8 CS	1.54 LB	A/A	48	40
6 HARNESS	7 EC	1.53 LB	A/A	48	30
7 FRONTIER	6 E	1.7 LB	A/A	45	30
8 OUTLOOK	6 EC	0.7 LB	A/A	53	23
9 BALANCE	75 WG	0.06 LB	A/A	45	55
10 DEFINE	60 DF	0.53 LB	A/A	48	48
11 BASIS	75 DF	0.047 LB	A/A	53	45
LSD (P=.05)		33.3	30.8	13.5	
Standard Deviation		23.1	21.3	9.3	
CV		55.5	57.14	24.7	

09-26-01 (SCR1001)

Site Description Page 1 of 2

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

SCREEN

Trial ID: SCR1001

Study Dir.: CHARLES H. SLACK

Location:

Investigator: Charles Slack

#### GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Investigator: Charles Slack

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

#### CROP AND WEED DESCRIPTION

Weed Code Common Name Scientific Name

1. SETFA
2. BRAPP
3. DIGSA

#### SITE AND DESIGN

Plot Width, Unit: 10 FT

Plot Length, Unit: 33 FT

Reps: 4

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

#### SOIL DESCRIPTION

% Sand: 6	% OM: 2.8	Texture: SILT LOAM
% Silt: 63	pH: 6.4	Soil Name: MAURY
% Clay: 30	CEC: 17	Fert. Level: EXCELLENT

#### APPLICATION DESCRIPTION

##### A

Application Date: 05-03-01

Time of Day: 10 AM

Application Method: SPRAY

Application Timing: PRE

Applic. Placement: BROSOI

Air Temp., Unit: 80 F

% Relative Humidity: 50

Wind Velocity, Unit: 3 MPH

Dew Presence (Y/N): N

Soil Temp., Unit: 70 F

Soil Moisture: INADEQUAT

% Cloud Cover: 20

#### CROP STAGE AT EACH APPLICATION

A

09-26-01 (SCR1001)

Site Description Page 2 of 2

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

SCREEN

Trial ID: SCR1001

Study Dir.: CHARLES H. SLACK

Location:

Investigator: Charles Slack

**WEED STAGE AT EACH APPLICATION**

**A**

**Weed 1 Code, Stage:** SETFA

09-26-01 (P1001)

AOV Means Table Page 1 of 1

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

## BROADLEAF CONTROL IN FESCUE PASTURES

Trial ID: P1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code

Crop Code

Rating Data Type

Rating Unit

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

Trt Treatment No. Name	Form Conc Rate	Form Type	Rate Unit	Grow Stg	STEME			PLALA			TAROF			STEME			PLALA			TAROF			STEME			PLALA			TAROF		
					FESSS PERCENT																										
1 Weedy Check					POST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 DISTINCT	70 WG	0.175 LB	A/A	POST	10	47	90	85	90	10	90	85	90	10	90	85	90	10	90	85	90	10	90	85	90	10	90	85	90		
2 SPREADER HF		0.25 % V/V		POST																											
3 DISTINCT	70 WG	0.262 LB	A/A	POST	10	60	90	87	90	10	90	87	90	10	90	87	90	10	90	87	90	10	90	87	90	10	90	87	90		
3 SPREADER HF		0.25 % V/V		POST																											
4 WEEDMASTER	3.87 SL	0.5 LB	A/A	POST	0	0	90	87	90	0	90	87	90	0	90	87	90	0	90	87	90	0	90	87	90	0	90	87	90		
4 SPREADER HF		0.25 % V/V		POST																											
5 WEEDMASTER	3.87 SL	0.25 LB	A/A	POST	0	13	90	88	90	0	90	88	90	0	90	88	90	0	90	88	90	0	90	88	90	0	90	88	90		
5 DISTINCT	70 WG	0.0875 LB	A/A	POST																											
5 SPREADER HF		0.25 % V/V		POST																											
LSD (P=.05)		0.0	15.9																												
Standard Deviation		0.0	8.5																												
CV		0.0	35.27																												

09-26-01 (P1001)

Site Description Page 1 of 2

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

BROADLEAF CONTROL IN FESCUE PASTURES

Trial ID: P1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

**GENERAL TRIAL INFORMATION**

**Study Director:** CHARLES H. SLACK

**Affiliation:** UNIVERSITY OF KENTUCKY

**Investigator:** Charles Slack

**Conducted Under GLP (Y/N):** N

**Conducted Under GEP (Y/N):** N

**CROP AND WEED DESCRIPTION**

**Weed Code**      **Common Name**      **Scientific Name**

1. HLOUM CHICKWEED, JAGGED HOLOSTEUM UMBELLATUM L.
2. PLALA PLANTAIN, BUCKHORN PLANTAGO LANCEOLATA L.
3. TAROF DANDELION, COMMON TARAXACUM OFFICINALE WEBER IN WIGGERS

**Crop 1:** FESSS FESCUE SP.

**Variety:** KY 31

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT

**Plot Length, Unit:** 44 FT

**Reps:** 3

**Study Design:** RANDOMIZED COMPLETE BLOCK

**SOIL DESCRIPTION**

**% Sand:** 6      **% OM:** 2.6  
**% Silt:** 62      **pH:** 6.3  
**% Clay:** 32      **CEC:** 17

**Texture:** SILT LOAM  
**Soil Name:** MAURY  
**Fert. Level:** GOOD

**APPLICATION DESCRIPTION**

**A**

**Application Date:** 04-09-01  
**Time of Day:** 2 PM  
**Application Method:** SPRAY  
**Application Timing:** POSPOS  
**Applic. Placement:** BROFOL  
**Air Temp., Unit:** 82 F  
**% Relative Humidity:** 50  
**Wind Velocity, Unit:** 3 MPH  
**Dew Presence (Y/N):** N  
**Soil Temp., Unit:** 64 F  
**Soil Moisture:** DRY  
**% Cloud Cover:** 10

9-26-01 (P1001)

Site Description Page 2 of 2

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

BROADLEAF CONTROL IN FESCUE PASTURES

Trial ID: P1001 Study Dir.: CHARLES H. SLACK  
Location: LEXINGTON, KY. Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: FESSS  
Height, Unit: 8 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: HLOUM  
Stage Scale: 10 IN  
Weed 2 Code, Stage: PLALA  
Stage Scale: 4 IN  
Weed 3 Code, Stage: TAROF  
Stage Scale: 4 IN

APPLICATION EQUIPMENT

A

Appl. Equipment: ATV  
Operating Pressure: 30  
Nozzle Type: FLAT FAN  
Nozzle Size: 8004  
Nozzle Spacing, Unit: 20 IN  
Boom Length, Unit: 10 FT  
Boom Height, Unit: 20 IN  
Ground Speed, Unit: 4 MPH  
Carrier: WATER  
Propellant: CO2