

Herbicide Evaluation Trials - 1998

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I. ABBREVIATIONS

A. Crop and Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
ACCOS	Hophornbeam Copperleaf	<i>Acalypha ostryifolia</i>
AMACH	Smooth Pigweed	<i>Amaranthus hybridus</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
AMPAL	Honeyvine Milkweed	<i>Ampelamus albidus</i>
BRAPP	Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>
CAGSE	Hedge Bindweed	<i>Calystegia sepium</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
CONAR	Field Bindweed	<i>Convolvuls arvensis</i>
DATST	Jimsonweed	<i>Datura stramonium</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
ELEIN	Goosegrass	<i>Eleusine indica</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>
NIOTA	Burley Tobacco	<i>Nicotiana tabacum L.</i>
PHBPU	Tall Morningglory	<i>Ipomoea purpurea</i>
PHYHE	Clammy Groundcherry	<i>Physalis heterophylla</i>
POLPE	Ladysthumb	<i>Polygonum persicaria</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SIDSP	Prickly Sida	<i>Sida spinosus</i>
SOLCA	Horsenettle	<i>Solanum carolinense</i>
SOLPT	Eastern Black Nightshade	<i>Solanum ptycanthum</i>
SORHA	Johnsongrass	<i>Sorghum halepense</i>
XANST	Common Cocklebur	<i>Xanthium strumarium</i>
ZEAMX	Corn	<i>Zea mays</i>

B. Miscellaneous

BBBB	All Broadleaf Species
GGGG	All Grass Species

II. ABBREVIATIONS

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

PREEMERGENCE

3WK -4 WEEKS BEFORE PLANTING
 2WK -2 WEEKS BEFORE PLANTING
 1WK -1 WEEK BEFORE PLANTING
 PRE -PREEMERGENCE
 PRT -PRE TRANSPLANT

POSTEMERGENCE

EP -EARLY POSTEMERGENCE WEEDS < 2"
 MP -MID-POSTEMERGENCE WEEDS 2-4"
 LP -LATE POSTEMERGENCE WEEDS 4-6"
 POT -POST TRANSPLANT
 +1WK -APPLIED 1 WEEK AFTER FIRST APPLICATION
 +3WK -APPLIED 3 WEEKS AFTER FIRST APPLICATION
 SPK -SPIKING CORN
 3LC -3 LEAF CORN
 5LC -5 LEAF CORN
 4C -4 INCH CORN
 6C -6 INCH CORN
 8C -8 INCH CORN
 10C -10 INCH CORN
 15C -15 INCH CORN
 16C -16 INCH CORN
 20C -20 INCH CORN
 2"W -2 INCH WEEDS
 3"W -3 INCH WEEDS
 4"W -4 INCH WEEDS
 6"W -6 INCH WEEDS
 9"W -9 INCH WEEDS
 12"W -12 INCH WEEDS
 +2"W -2 INCH WEEDS
 8J -8 INCH JOHNSONGRASS
 9J -9 INCH JOHNSONGRASS
 12J -12 INCH JOHNSONGRASS
 16J -16 INCH JOHNSONGRASS
 18J -18 INCH JOHNSONGRASS
 ASN -AS NEEDED
 IFN -IF NEEDED
 REG -WEED REGROWTH
 5REG -5 INCH REGROWTH
 SEQ -SEQUENTIAL

II. A. APRIL CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
04-01-98	65	39	52	0.04	100	43	58	55	62	54	
04-02-98	62	39	50		93	51	55	51	62	49	
04-03-98	58	41	50	0.01	100	69	53	51	55	49	
04-04-98	46	39	42	0.14	100	80	52	49	52	47	
04-05-98	58	32	45		100	54	52	46	60	42	
04-06-98	64	33	48		100	45	53	46	62	44	
04-07-98	73	46	60		82	51	54	49	62	49	
04-08-98	71	57	64	0.56	100	68	57	54	63	56	
04-09-98	57	43	50	0.45	100	92	56	52	59	50	
04-10-98	56	40	48	0.09	100	52	52	50	56	47	
04-11-98	62	33	48		100	42	53	47	60	44	
04-12-98	68	36	52		99	37	54	48	63	46	
04-13-98	68	47	58	0.01	79	42	54	50	60	49	
04-14-98	71	54	62	0.26	100	56	56	53	64	54	
04-15-98	71	48	60	0.08	100	78	56	53	62	52	
04-16-98	69	56	62	1.24	100	86	59	56	65	58	
04-17-98	55	43	49		100	63	58	54	61	53	
04-18-98	52	37	44	0.30	100	70	54	52	53	49	
04-19-98	49	42	46	0.21	100	99	53	52	52	49	
04-20-98	61	34	48		100	60	55	49	62	45	
04-21-98	61	42	52	0.20	100	68	54	51	61	49	
04-22-98	54	46	50	0.10	100	91	54	53	57	52	
04-23-98	63	42	52	0.01	100	69	56	52	63	50	
04-24-98	71	47	59		94	41	57	53	66	51	
04-25-98	68	50	59	0.03	98	51	57	54	62	52	
04-26-98	71	56	64	0.24	100	67	58	55	65	55	
04-27-98	57	46	52	0.11	100	51	58	55	61	53	
04-28-98	67	40	54		92	44	56	53	60	48	
04-29-98	65	55	60	0.65	100	67	56	55	60	55	
04-30-98	64	56	60	1.13	100	100	58	56	62	57	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
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Summary	63	44	53	5.86	98	63	55	52	60	50	
Deviations	-3	-1	-2	+1.98							

II. A. MAY CLIMATOLOGICAL DATA, SPINDLETOP

DATE		AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
		MX	MN	AV		MX	MN	MX	MN	MX	MN	
05-01-98	E	63	52	58	0.02	100	74	59	57	66	58	0.10
05-02-98		71	51	61	T	100	70	59	57	64	56	0.11
05-03-98		66	50	58	T	100	56	59	57	65	58	0.20
05-04-98		62	48	55		100	76	58	56	62	56	0.10
05-05-98		73	44	58		100	59	60	55	70	54	0.18
05-06-98		75	52	64	0.08	100	60	61	57	69	58	0.18
05-07-98		72	59	66	0.84	100	82	61	59	67	60	0.13
05-08-98	E	64	59	62	0.04	100	100	61	60	63	61	0.11
05-09-98		68	57	62		100	83	61	60	66	59	0.06
05-10-98		72	57	64	T	100	73	62	60	69	60	0.19
05-11-98		71	51	61		100	67	63	60	71	59	0.20
05-12-98		77	50	64		100	47	64	59	75	59	0.19
05-13-98		84	59	72		95	65	67	61	79	63	0.24
05-14-98		86	59	72		100	48	69	64	82	65	0.25
05-15-98		87	61	74		99	58	70	64	82	67	0.29
05-16-98		82	63	72		99	58	70	67	81	70	0.24
05-17-98		82	57	70		100	35	69	65	82	66	0.22
05-18-98		83	52	68		100	37	69	63	84	65	
05-19-98		85	57	71		92	53	70	64	84	67	
05-20-98		84	62	73	0.19	100	70	71	66	85	70	
05-21-98		79	63	71	0.18	100	60	71	67	84	70	
05-22-98		68	62	65	0.29	100	81	68	66	73	67	
05-23-98		78	58	68	0.71	100	80	67	65	76	64	
05-24-98		82	62	72	0.67	100	83	69	66	78	66	
05-25-98		76	61	68	0.04	100	80	68	67	76	67	
05-26-98		72	59	66		100	81	68	66	74	66	
05-27-98		80	62	71	0.02	100	73	69	66	79	67	
05-28-98		84	59	72		100	62	70	66	84	67	
05-29-98		85	61	73		100	62	71	67	86	69	
05-30-98		86	65	76		100	64	73	68	88	72	
05-31-98		84	67	76	0.78	100	78	73	70	83	74	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
Summary	77	57	67	3.86	100	67	66	63	76	64	2.99
Deviation	+1	+2	+2	-0.61							

II. A. JUNE CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
06-01-98	80	61	70		100	60	72	69	83	70	
06-02-98	87	62	74		100	46	73	68	81	69	
06-03-98	75	65	70		100	61	72	69	79	69	
06-04-98	64	57	60	0.22	100	94	69	67	70	67	
06-05-98	73	53	63	0.26	100	94	68	66	72	64	
06-06-98	62	47	54		100	63	66	63	69	60	
06-07-98	69	44	56		100	62	65	60	69	57	
06-08-98	68	56	62	0.05	100	73	65	62	69	62	
06-09-98	75	59	67	0.63	100	89	66	63	72	62	
06-10-98	85	70	78	0.59	100	82	71	66	79	68	
06-11-98	83	67	75		100	83	72	68	78	70	
06-12-98	86	65	76	0.45	100	70	76	70	82	71	
06-13-98	77	64	70	0.55	100	66	74	71	78	70	
06-14-98	74	58	66	0.04	100	86	72	68	75	66	
06-15-98	78	64	71		100	78	72	69	74	67	
06-16-98	76	64	70		100	69	73	69	77	67	
06-17-98	82	64	73		100	65	75	69	82	67	
06-18-98	89	63	76		100	70	78	70	86	70	
06-19-98	84	66	75	0.24	100	61	79	73	84	73	
06-20-98	88	68	78		100	56	80	72	88	71	
06-21-98	83	68	76	1.13	100	78	78	73	82	73	
06-22-98	89	67	78	0.51	100	77	80	73	88	73	
06-23-98	86	66	76	0.34	100	85	78	72	84	70	
06-24-98	92	72	82		100	68	82	75	90	74	
06-25-98	91	74	82		100	69	82	77	90	77	
06-26-98	90	75	82		100	66	82	77	91	78	
06-27-98	89	75	82		100	72	82	78	92	78	
06-28-98	89	73	81		100	73	83	77	93	78	
06-29-98 E	82	66	74	2.89	100	90	80	76	83	74	
06-30-98	80	67	74	1.00	100	70	76	74	79	73	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
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Summary	81	64	72	8.90	100	73	75	70	81	70	
Deviations	-2	+2	-0	+5.24							

II.A JULY CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
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07-01-98	80	65	72	0.01	100	65	78	73	82	72	
07-02-98	83	62	72		100	69	79	72	86	70	
07-03-98	87	58	72		100	49	80	72	89	69	
07-04-98	84	70	77	0.01	100	82	78	75	82	74	
07-05-98	80	66	73		100	69	79	74	85	72	
07-06-98	83	60	72		100	58	79	73	88	72	
07-07-98	79	67	73	0.16	100	88	76	74	79	75	
07-08-98	84	71	78		100	85	83	75	85	64	
07-09-98	85	70	78		100	70	86	75	85	75	
07-10-98	85	67	76		100	65	86	75	85	75	
07-11-98	80	63	72		94	54	86	74	85	74	
07-12-98	83	58	70		100	51	86	71	85	72	
07-13-98	83	63	73	0.03	100	82	80	73	80	73	
07-14-98	72	68	70	1.19	100	100	76	73	77	73	
07-15-98	76	69	72		100	98	77	72	76	72	
07-16-98	79	70	74	0.04	100	97	78	73	77	73	
07-17-98	85	68	76		100	56	85	72	82	73	
07-18-98	85	67	76		100	73	86	73	84	73	
07-19-98	91	74	82	0.09	100	67	87	76	84	77	
07-20-98	84	66	75	3.63	100	75	81	68	81	74	
07-21-98	90	73	82		100	76	87	73	84	75	
07-22-98	88	73	80		100	76	87	76	85	77	
07-23-98	81	72	76	0.01	100	78	83	76	82	77	
07-24-98	80	65	72		100	70	84	74	80	75	
07-25-98	80	60	70		100	60	80	72	85	73	
07-26-98	79	59	69		100	59	81	71	81	72	
07-27-98	82	64	73		100	78	83	73	83	73	
07-28-98	83	64	74		100	71	86	73	86	74	
07-29-98	86	66	76		100	77	85	73	86	75	
07-30-98	80	69	74	0.36	100	94	80	76	80	77	
07-31-98	80	64	72	0.02	100	54	84	74	83	74	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
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Summary	82	66	74	5.55	100	72	82	73	83	73	
Deviations	-3	+1	-1	+0.55							

II. A. AUGUST CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		GRASS		BARE		EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
08-01-98	80	60	70		100	52	83	71	83	71	
08-02-98	84	60	72		100	69	83	71	84	72	
08-03-98	86	63	74		100	52	86	72	87	73	
08-04-98	86	65	76		97	52	86	73	88	75	
08-05-98	86	68	77		97	65	84	75	86	77	
08-06-98	88	70	79		98	60	85	74	87	76	
08-07-98	90	69	80		100	52	85	75	88	77	
08-08-98	87	70	78		100	63	84	75	86	77	
08-09-98	83	69	76	0.34	100	83	81	75	82	77	
08-10-98	83	68	76	0.05	100	78	82	74	82	75	
08-11-98	86	68	77	0.04	100	76	84	74	85	75	
08-12-98	83	65	74		100	68	83	73	86	74	
08-13-98	83	63	73		100	59	82	72	86	74	
08-14-98	79	64	72	0.02	100	87	79	74	81	75	
08-15-98	81	64	72		100	76	80	73	83	74	
08-16-98	81	65	73		100	88	78	73	80	75	
08-17-98	86	67	76		100	70	82	73	86	74	
08-18-98	86	69	78	0.04	100	71	82	74	85	76	
08-19-98	81	62	72		100	38	77	75	94	77	
08-20-98	83	52	68		100	47	79	69	86	71	
08-21-98	90	55	72		100	42	81	69	88	73	
08-22-98	90	62	76		100	51	82	72	89	76	
08-23-98	90	65	78		100	57	82	73	89	77	
08-24-98	90	67	78		100	53	81	73	89	77	
08-25-98	92	70	81	0.01	100	59	83	74	90	78	
08-26-98	87	69	78	T	100	48	82	75	90	79	
08-27-98	85	61	73		100	42	81	72	89	76	
08-28-98	91	59	75		100	36	82	71	90	76	
08-29-98	83	67	75	0.04	100	78	79	75	85	78	
08-30-98	88	63	76		100	52	81	71	88	74	
08-31-98	86	64	75		100	54	81	72	89	76	

	AIR TEMP C			TOTAL PRECIP	RH		GRASS		BARE		TOTAL EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
Summary	86	65	75	0.54	100	61	82	73	86	75	
Deviations	+2	+2	+2	-3.39							

II. B. APRIL CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
04-01-98	68	52	60	0.42	100	60	66	58			
04-02-98	74	38	56		100	30	62	56			
04-03-98	72	48	60	0.28	100	90	62	57			
04-04-98	62	44	53	0.04	100	62	62	54			
04-05-98	66	30	48		100	30	58	53			
04-06-98	72	35	54		100	42	58	53			
04-07-98	75	58	66	0.03	100	72	60	58			
04-08-98	75	57	66	0.13	100	80	62	54			
04-09-98	75	48	62	0.06	100	88	61	58			
04-10-98	60	44	52	0.02	100	48	58	55			
04-11-98	68	34	51		100	36	60	54			
04-12-98	75	41	58		100	30	61	53			
04-13-98	75	57	66		84	62	61	57			
04-14-98	75	53	64	0.91	100	60	63	60			
04-15-98	77	55	66		100	78	64	60			
04-16-98	76	58	67	1.23	100	96	65	62			
04-17-98	67	43	55		100	72	65	60			
04-18-98	60	36	48	T	100	60	63	60			
04-19-98	63	39	51	0.13	100	56	60	57			
04-20-98	68	38	53		100	48	60	58			
04-21-98	62	50	56	0.27	100	90	60	56			
04-22-98	65	39	52		100	80	60	57			
04-23-98	69	45	57		100	60	62	58			
04-24-98	76	46	61		100	30	62	54			
04-25-98	75	50	62		100	42	62	56			
04-26-98	76	57	66		94	78	63	58			
04-27-98	74	53	64	0.94	100	90	62	58			
04-28-98	62	50	56	0.19	100	100	64	60			
04-29-98	63	55	59	0.72	100	100	64	58			
04-30-98	72	58	65	0.73	100	90	64	58			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
Summary	70	47	58	6.10	99	65	62	57			
Deviations	-1	+1	-0	+1.30							

II. B. MAY CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
05-01-98	69	49	59	0.11	100	92	63	56			
05-02-98	78	53	66	0.07	100	80	66	54			
05-03-98	70	53	62	0.20	100	62	65	60			
05-04-98	70	54	62	0.07	100	80	66	62			
05-05-98	78	45	62		100	48	68	62			
05-06-98	69	60	64	0.22	100	70	68	62			
05-07-98	78	62	70	0.66	100	62	70	64			
05-08-98	75	58	66	0.08	100	70	70	66			
05-09-98	74	57	66	0.06	100	50	71	68			
05-10-98	76	61	68		100	72	69	65			
05-11-98	80	54	67		100	42	72	65			
05-12-98	84	51	68		100	38	74	68			
05-13-98	91	64	78		100	34	80	74			
05-14-98	90	64	77		100	32	76	68			
05-15-98	95	68	82		100	80	78	74			
05-16-98	93	64	78		100	50	78	72			
05-17-98	87	57	72		94	30	77	71			
05-18-98	89	54	72		100	40	78	70			
05-19-98	90	58	74		100	38	78	74			
05-20-98	90	68	79		100	32	78	72			
05-21-98	91	65	78	0.70	100	38	78	74			
05-22-98	79	62	70	0.23	100	90	80	74			
05-23-98	86	72	79		100	94	80	76			
05-24-98	87	72	80		100	68	78	74			
05-25-98	87	63	75	0.96	100	84	79	72			
05-26-98	80	64	72	0.45	100	90	76	72			
05-27-98	84	62	73		100	50	78	74			
05-28-98	90	62	76		100	80	78	72			
05-29-98	90	62	76		100	50	82	72			
05-30-98	90	66	78		100	42	81	73			
05-31-98	92	70	81		100	84	80	77			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
Summary	83	60	72	3.81	100	60	75	69			
Deviations	+3	+4	+3	-1.15							

II. B. JUNE CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
06-01-98	92	63	78		100	40	82	76			
06-02-98	94	68	81	0.08	100	60	82	78			
06-03-98	88	68	78	0.27	100	64	83	78			
06-04-98	72	58	65	1.32	100	90	82	76			
06-05-98	78	54	66	1.62	100	100	80	72			
06-06-98	70	48	59		100	48	78	68			
06-07-98	76	45	60		88	46	73	69			
06-08-98	78	58	68	0.03	100	60	74	68			
06-09-98	87	56	72	4.48	100	94	72	68			
06-10-98	90	58	74	0.65	100	100	76	68			
06-11-98	91	63	77		100	84	78	75			
06-12-98	91	68	80	0.72	100	70	79	76			
06-13-98	90	68	79	T	100	60	79	78			
06-14-98	90	66	78	1.18	100	88	81	76			
06-15-98	85	70	78		100	90	82	78			
06-16-98	85	64	74		100	65	84	78			
06-17-98	91	60	76		100	60	84	78			
06-18-98	94	72	83		100	70	84	74			
06-19-98	91	66	78	0.16	100	58	86	74			
06-20-98	88	72	80		100	90	88	80			
06-21-98	87	69	78	0.18	100	84	81	78			
06-22-98	95	72	84		100	90	84	78			
06-23-98	95	72	84		100	70	84	78			
06-24-98	96	73	84		100	70	90	80			
06-25-98	96	76	86		100	60	88	82			
06-26-98	95	76	86		100	70	90	82			
06-27-98	93	75	84		100	68	88	82			
06-28-98	93	74	84		100	68	88	83			
06-29-98	93	75	84		100	68	88	84			
06-30-98	94	68	81	1.93	100	70	88	86			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
Summary	89	66	77	12.62	100	72	83	77			
Deviations	+2	+2	+2	+8.77							

II. B. JULY CLIMATOLOGICAL DATA, PRINCETON

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MX	
07-01-98	93	68	80		100	58	89	80			
07-02-98	92	67	80		100	80	88	82			
07-03-98	86	68	77	0.15	100	90	86	82			
07-04-98	90	72	81	0.08	100	70	88	80			
07-05-98	89	71	80		100	74	87	81			
07-06-98	92	70	81	0.11	100	80	89	82			
07-07-98	96	77	86		100	88	90	82			
07-08-98	95	74	84	0.35	100	80	90	84			
07-09-98	95	72	84		100	80	91	86			
07-10-98	90	70	80	0.02	100	60	88	85			
07-11-98	92	69	80	0.05	100	70	88	84			
07-12-98	89	68	78		100	84	87	82			
07-13-98	88	69	78	0.48	100	90	88	82			
07-14-98	80	67	74	1.16	100	100	85	82			
07-15-98	87	67	77	2.91	100	100	84	80			
07-16-98	87	72	80	0.12	100	80	88	80			
07-17-98	90	66	78		100	60	86	82			
07-18-98	92	67	80		100	90	88	84			
07-19-98	95	75	85		100	62	87	84			
07-20-98	96	74	85		100	80	88	84			
07-21-98	95	76	86		100	70	88	84			
07-22-98	94	74	84		100	50	89	82			
07-23-98	93	74	84	T	100	52	90	84			
07-24-98	86	71	78	0.05	100	60	90	86			
07-25-98	85	64	74		100	60	88	84			
07-26-98	85	68	76	0.05	100	72	86	83			
07-27-98	84	66	75		100	80	88	78			
07-28-98	89	70	80		100	60	88	82			
07-29-98	89	71	80	T	100	70	88	82			
07-30-98	84	72	78	0.41	100	80	87	82			
07-31-98	85	64	74	0.55	100	70	84	78			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MX	
Summary	90	70	80	6.49	100	74	88	82			
Deviations	+0	+4	+2	+2.20							

II. B. AUGUST CLIMATOLOGICAL DATA, PRINCETON

DATE		AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
		MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
08-01-98	E	81	65	73		92	50	77	75			
08-02-98		86	60	73		93	47	78	76			
08-03-98		89	63	76		97	49	82	78			
08-04-98		88	70	79		89	51	82	79			
08-05-98	E	86	68	77		88	51	82	78			
08-06-98	E	89	66	78		86	55	84	78			
08-07-98		86	71	78	0.44	100	100	86	82			
08-08-98		85	71	78	0.87	100	70	82	80			
08-09-98	E	87	63	75	0.02	96	65	81	78			
08-10-98		90	69	80	0.07	93	66	83	80			
08-11-98	E	92	70	81		95	59	84	81			
08-12-98	E	88	77	82		97	63	89	84			
08-13-98	E	86	66	76		99	69	85	82			
08-14-98	E	86	69	78		97	64	83	80			
08-15-98	E	86	64	75		94	60	82	79			
08-16-98	E	89	66	78		96	68	83	79			
08-17-98	E	90	66	78		93	54	84	80			
08-18-98		92	68	80		100	60	86	82			
08-19-98	E	92	68	80		99	66	84	78			
08-20-98	E	90	58	74		88	41	84	80			
08-21-98	E	94	62	78		99	62	86	80			
08-22-98	E	94	65	80		98	49	86	80			
08-23-98	E	91	65	78		87	49	83	78			
08-24-98	E	92	64	78		88	44	83	78			
08-25-98	E	96	62	79		92	47	84	78			
08-26-98	E	92	75	84		93	57	86	80			
08-27-98	E	92	62	77		98	43	84	78			
08-28-98	E	96	62	79		100	54	86	80			
08-29-98	E	94	64	79		94	58	86	80			
08-30-98	E	91	63	77		87	50	78	75			
08-31-98	E	94	60	77		95	54	84	78			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
Summary	90	66	78	1.40	94	57	83	79			
Deviations	+2	+2	+2	-2.61							

III. HERBICIDES IN REPORT

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
AATREX	ATRAZINE	NOVARTIS
ACCENT	NICOSULFURON	DUPONT
ACCENT GOLD	NICOSULFURON + ATRAZINE	DUPONT
ACTION	FLUTHIACET-METHYL	NOVARTIS
ACTIVATOR 90	NONIONIC SURFACTANT	LOVELAND
AIM	CARFENTRAZONE	FMC
AMS	AMMONIUM SULFATE	
ASSURE II	QUIZALOFOP	DUPONT
AUTHORITY	SULFENTRAZONE	FMC
AUTHORITY BROADLEAF	SULFENTRAZONE + CHLORIMURON (5:1 RATIO)	FMC
AUTHORITY FIRST	SULFENTRAZONE	DUPONT
AXIOM	THIAFLUAMIDE + METRIBUZIN	BAYER
AXIOM AT	THIAFLUAMIDE + ATRAZINE	BAYER
BALANCE	ISOXAFLUTOLE	RHONE-POULENC
BANVEL	DICAMBA (DIMETHYLAMINE SALT)	BASF
BAS 620	TEPRALOXYDIM	BASF
BAS 656	S-DIMETHENAMID	BASF
BASAGRAN	BENTAZON	BASF
BASIS	RIMSULFURON + THIFENSULFURON	DUPONT
BASIS GOLD	RIMSULFURON + NICOSULFURON + ATRAZINE	DUPONT
BEACON	PRIMISULFURON	NOVARTIS
BICEP II	METOLACHLOR + ATRAZINE + BENOXACOR	NOVARTIS
BICEP II MAGNUM	METOLACHLOR + ATRAZINE + BENOXACOR	NOVARTIS
BICEP LITE II MAGNUM	METOLACHLOR + ATRAZINE + BENOXACOR	NOVARTIS
BICEP TR	METOLACHLOR + ATRAZINE + BENOXACOR	NOVARTIS
BLAZER	ACIFLUORFEN	BASF
BROADSTRIKE SF + DUAL	FLUMETSULAM + METOLACHLOR	DOW AgroSciences
BUCTRIL	BROMOXYNIL	RHONE-POULENC
BUCTRIL/ATRAZINE	BROMOXYNIL + ATRAZINE	RHONE-POULENC
BULLET	ALACHLOR MT + ATRAZINE	MONSANTO
CANOPY	CHLORIMURON + METRIBUZIN (1:6 RATIO)	DUPONT
CANOPY XL	CHLORIMURON + SULFENTRAZONE (1:5 RATIO)	DUPONT
CELEBRITY	DICAMBA + NICOSULFURON	BASF
CLARITY	DICAMBA (DIGLYCOLAMINE SALT)	BASF
CLASSIC	CHLORIMURON	DUPONT
COBRA	LACTOFEN	VALENT
COMMAND	CLOMAZONE	FMC
CONCLUDE ULTRA	BENTAZON + ACIFLUORFEN + SETHOXYDIM	BASF
CONCLUDE XTRA	BENTAZON + ACIFLUORFEN + CLETHODIM	BASF

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
CROP OIL CONCENTRATE (COC)		LOVELAND
DETAIL	IMAZAQUIN + DIMETHENAMID	AMERICAN CYANAMID
DISTINCT	BAS 662	BASF
DUAL II	METOLACHLOR + BENOXACOR	NOVARTIS
DUAL II MAGNUM	METOLACHLOR + BENOXACOR	NOVARTIS
DUAL II MAGNUM LITE	METOLACHLOR + BENOXACOR	NOVARTIS
ETK-2303	GLYPHOSATE	ENTEK
EXCEED	PROSULFURON + PRIMISULFURON	NOVARTIS
EXPERT	OXASULFURON	NOVARTIS
FIELDMASTER	ACETOCHLOR + ATRAZINE + GLYPHOSATE	MONSANTO
FIRSTRATE	CLORANSULAM	DOW AgroSciences
FLEXSTAR HL	FOMESAFEN + SURFACTANT	ZENECA
FRIGATE	SURFACTANT	ENTEK
FRONTROW	CLORANSULAM + FLUMETSULAM	DOW AgroSciences
FRONTIER	DIMETHENAMID	BASF
FULTIME	ACETOCHLOR + ATRAZINE + SAFENER	ZENECA
FURADAN	CARBOFURAN	FMC
FUSILADE DX	FLUAZIFOP-P-BUTYL	ZENECA
FUSION	FLUAZIFOP-P-BUTYL + FENOXAPROP-P-ETHYL	ZENECA
GALAXY	BENTAZON + ACIFLUORFEN (3.0 + .67)	BASF
GRAMOXONE EXTRA	PARAQUAT	ZENECA
GUARDSMAN	DIMETHENAMID + ATRAZINE	BASF
HARNESS	ACETOCHLOR	MONSANTO
HARNESS XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
HM8802-A	ADDITIVE	HELENA
HM9541-A	ADDITIVE	HELENA
HORNET	FLUMETSULAM + CLOPYRALID	DOW AgroSciences
INDUCE	SURFACTANT	HELENA
LADDOK	BENTAZON + ATRAZINE	BASF
LEXONE	METRIBUZIN	DUPONT
LIBERTY	GLUFOSINATE	AgrEvo
LIBERTY/ATRA	GLUFOSINATE + ATRAZINE	AgrEvo
LIGHTNING	IMAZETHAPYR + IMAZAPYR	AMERICAN CYANAMID
LIQUID N	28% NITROGEN	
MATADOR	QUIZALOFOP	FMC
MARKSMAN	DICAMBA + ATRAZINE (2.1 + 1.1)	BASF
MICRO-TECH	ALACHLOR	MONSANTO
MON 58430		MONSANTO
MON 8411		MONSANTO
MON PER + ATRA	HALOSULFURON + ATRAZINE	MONSANTO
MON RU + PER	GLYPHOSATE + HALOSULFURON	MONSANTO
MSO	METHYLATED SEED OIL	LOVELAND
NORTHSTAR	DICAMBA + PRIMISULFURON	NOVARTIS

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
PEAK	PROSULFURON	NOVARTIS
PERMIT	HALOSULFURON	MONSANTO
PINNACLE	THIFENSULFURON	DUPONT
POAST	SETHOXYDIM	BASF
POAST HC	SETHOXYDIM	BASF
POAST PLUS	SETHOXYDIM + SURFACTANT	BASF
PRESTIGE	SETHOXYDIM	AMERICAN CYANAMID
PRINCEP	SIMAZINE	NOVARTIS
PROWL	PENDIMETHALIN	AMERICAN CYANAMID
PURSUIT	IMAZETHAPYR	AMERICAN CYANAMID
PYTHON	FLUMETSULAM	DOW AgroSciences
RAPTOR	IMAZAMOX	AMERICAN CYANAMID
REFLEX	FOMESAFEN	ZENECA
RESOLVE	IMAZETHAPYR + DICAMBA	AMERICAN CYANAMID
RESOURCE	FLUMICLORAC-PENTYL	VALENT
ROUNDUP ULTRA	GLYPHOSATE + ADJUVANT	MONSANTO
SCEPTER	IMAZAQUIN	AMERICAN CYANAMID
SCORPION III	FLUMETSULAM + 2,4-D + CLOPYRALID	DOW AgroSciences
SELECT	CLETHODIM	VALENT
SENCOR 75DF	METRIBUZIN	BAYER
SKIRMISH	CHLORIMURON	FMC
SPARTAN	SULFENTRAZONE	FMC
SPIRIT	PROSULFURON	NOVARTIS
SQUADRON	PENDIMETHALIN + IMAZAQUIN	AMERICAN CYANAMID
STATUS	ACIFLUORFEN	AMERICAN CYANAMID
STELLAR	LACTOFEN + FLUMICLORAC (3:1 RATIO)	VALENT
STORM	BENTAZON + ACIFLUORFEN	BASF
STRONGARM	DICLOSULAM	DOW AgroSciences
SUN-IT II	METHYLATED SEED OIL	AMERICAN CYANAMID
SURPASS	ACETOCHLOR	ZENECA
SURPASS 100	ACETOCHLOR + ATRAZINE	ZENECA
SYNCHRONY STS	CHLORIMURON + THIFENSULFURON	DUPONT
TOPNOTCH	ACETOCHLOR + SAFENER	ZENECA
TOUCHDOWN 5	SULFOSATE	ZENECA
TOUGH	PYRIDATE	NOVARTIS
USA 1000		BAYER
USA 1999	FOE 5043 + METRIBUZIN	BAYER
V-10047	LACTOFEN	VALENT
WEEDONE 638	2,4-D AMINE	RHONE-POULENC
WEEDONE LV4	2,4-D ESTER	RHONE-POULENC
X-77	NONIONIC SURFACTANT	VALENT

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

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
										INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL 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 No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg											
1	FULTIME	4	CS	2.7	LB A/A	PRE	0	100	83	93	0	97	72	90			
1	AATREX	4	F	.5	LB A/A	PRE											
2	FULTIME	4	CS	3	LB A/A	PRE	0	100	82	92	0	98	68	83			
2	AATREX	4	F	.3	LB A/A	PRE											
3	FULTIME	4	CS	3	LB A/A	PRE	0	100	93	93	0	97	95	95			
3	EXCEED	57	DF	.036	LB A/A	MP											
3	COC		L	1	QT/A	MP											
4	MON 58430	3.8	E	2	LB A/A	PRE	0	100	80	90	0	100	70	87			
4	AATREX	4	F	1.5	LB A/A	PRE											
5	MON 8411	8	EC	2	LB A/A	PRE	0	98	88	90	0	97	77	90			
5	AATREX	4	F	1.5	LB A/A	PRE											
6	MON 8411	8	EC	2	LB A/A	PRE	0	100	77	92	0	100	62	83			
6	BALANCE	75	WG	.061	LB A/A	PRE											
7	MON 8411	8	EC	2	LB A/A	PRE	0	97	95	83	0	93	93	95			
7	MON PER + ATRA	80	WG	1.125	LB A/A	5LC											
7	ACTIVATOR 90			.25	% V/V	5LC											
8	HARNESX XTRA	5.6	EC	2.7	LB A/A	PRE	0	100	88	90	0	100	78	90			
9	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	100	90	90	0	100	83	90			
10	MON 58430	3.8	E	2	LB A/A	PRE	30	100	88	92	20	100	97	93			
10	PERMIT	75	DF	.031	LB A/A	5LC											
10	BANVEL	4	EC	.125	LB A/A	5LC											
10	ACTIVATOR 90			.25	% V/V	5LC											
11	MON 8411	8	EC	2	LB A/A	PRE	30	100	98	90	20	92	98	95			
11	PERMIT	75	DF	.031	LB A/A	5LC											
11	BANVEL	4	EC	.125	LB A/A	5LC											
11	ACTIVATOR 90			.25	% V/V	5LC											
12	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	10	100	83	92	0	100	77	92			
12	PRINCEP	4	F	1	LB A/A	PRE											

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

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
										INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
										2 WEEKS P	2 WEEKS P	2 WEEKS P	2 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P
										0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg											
13	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	100	87	92	0	98	83	90			
13	BALANCE	75	WG	.056	LB A/A	PRE											
14	BULLET	4	F	3.75	LB A/A	PRE	0	100	88	92	0	98	72	90			
15	AXIOM	68	DF	.72	LB A/A	PRE	0	100	37	87	0	100	33	80			
16	AXIOM	68	DF	.72	LB A/A	PRE	0	100	87	92	0	100	75	90			
16	AATREX	4	F	1.4	LB A/A	PRE											
17	AXIOM	68	DF	.36	LB A/A	PRE	0	100	72	90	0	100	50	78			
17	BALANCE	75	WG	.094	LB A/A	PRE											
18	AXIOM	68	DF	.36	LB A/A	PRE	0	100	87	90	0	100	75	85			
18	HORNET	85.6	WG	.214	LB A/A	PRE											
19	HARNESX	7	EC	1.97	LB A/A	PRE	0	100	77	88	0	100	53	75			
20	AXIOM	68	DF	.72	LB A/A	PRE	0	100	72	92	0	100	53	85			
20	BALANCE	75	WG	.047	LB A/A	PRE											
21	AXIOM AT	75	WG	1.5	LB A/A	PRE	0	100	67	90	0	100	48	90			
22	AXIOM AT	75	WG	1.5	LB A/A	PRE	0	100	80	90	0	100	77	88			
22	BALANCE	75	WG	.035	LB A/A	PRE											
23	AXIOM AT	75	WG	1.88	LB A/A	PRE	0	100	80	92	0	100	67	90			
24	USA 1000	58	DF	.4	LB A/A	PRE	0	97	75	90	0	97	58	90			
25	USA 1000	58	DF	.54	LB A/A	PRE	0	100	70	90	0	100	55	72			
26	USA 1000	58	DF	.4	LB A/A	PRE	0	100	87	90	0	100	77	83			
26	AATREX	4	F	.75	LB A/A	PRE											
27	BICEP II MAGNUM	5.5	L	2.85	LB A/A	PRE	0	100	88	90	0	100	83	90			
28	BICEP II MAGNUM	5.5	L	2.28	LB A/A	PRE	0	100	82	90	0	100	73	85			
28	BALANCE	75	WG	.067	LB A/A	PRE											
29	GUARDSMAN	5	E	2.8	LB A/A	PRE	0	100	93	92	0	100	85	90			

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

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
30	GUARDSMAN	5	E	2.8	LB A/A	PRE	0	100	95	92	0	100	95	95
30	MARKSMAN	3.2	F	1.4	LB A/A	8LC								
31	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	97	90	0	100	90	95
31	MARKSMAN	3.2	F	1.4	LB A/A	8LC								
32	BAS 656	6	EC	.72	LB A/A	PRE	0	100	93	92	0	98	92	92
32	AATREX	4	F	1.5	LB A/A	PRE								
33	BAS 656	6	EC	1.7	LB A/A	PRE	0	100	92	93	0	100	83	93
33	AATREX	4	F	1.5	LB A/A	PRE								
34	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	90	92	0	100	83	90
34	AATREX	4	F	1.5	LB A/A	PRE								
35	FRONTIER	6	E	2.4	LB A/A	PRE	0	100	85	92	0	100	75	90
35	AATREX	4	F	1.5	LB A/A	PRE								
36	DUAL II MAGNUM	7.6	EC	1.3	LB A/A	PRE	0	100	93	92	0	100	90	90
36	AATREX	4	F	1.5	LB A/A	PRE								
37	UK 5000					PRE								
38	BICEP II	5.9	F	3.6	LB A/A	PRE	0	100	90	92	0	100	85	92
38	PYTHON	80	WG	.05	LB A/A	PRE								
39	BICEP TR	4.59	L	1.696	LB A/A	PRE	0	100	70	90	0	100	63	85
40	BICEP TR	4.59	L	2.31	LB A/A	PRE	0	100	88	93	0	100	82	88
41	BICEP TR	4.59	L	3.393	LB A/A	PRE	0	100	92	92	0	100	83	85
42	BICEP II MAGNUM LITE	6	L	1.65	LB A/A	PRE	0	100	82	88	0	100	70	87
42	FLUMETSULAM	80	WG	.035	LB A/A	PRE								
43	BICEP II MAGNUM LITE	6	L	2.25	LB A/A	PRE	0	100	87	90	0	100	68	85
43	FLUMETSULAM	80	WG	.047	LB A/A	PRE								
44	BICEP II MAGNUM LITE	6	L	3.3	LB A/A	PRE	0	100	93	93	0	100	87	92
44	FLUMETSULAM	80	WG	.07	LB A/A	PRE								

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Weed Science Field Research

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg
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LSD (P=.05)		4.3	2.2	12.5	4.9	0.0	3.5	15.2	7.6
Standard Deviation		2.6	1.3	7.7	3.0	0.0	2.2	9.3	4.7
CV		162.25	1.33	9.1	3.33	0.0	2.18	12.33	5.31

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

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST
Crop Code		ZEAMX	
Part Rated			
Rating Data Type		INJURY	CONTROL
Rating Unit		PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval		8 WEEKS	8 WEEKS
PRM Data Type		P	P
# Subsamples, Dec.		0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
1	FULTIME	4	CS	2.7	LB A/A	PRE	0	67	67
1	AATREX	4	F	.5	LB A/A	PRE			
2	FULTIME	4	CS	3	LB A/A	PRE	0	65	65
2	AATREX	4	F	.3	LB A/A	PRE			
3	FULTIME	4	CS	3	LB A/A	PRE	0	92	92
3	EXCEED	57	DF	.036	LB A/A	MP			
3	COC		L	1	QT/A	MP			
4	MON 58430	3.8	E	2	LB A/A	PRE	0	67	70
4	AATREX	4	F	1.5	LB A/A	PRE			
5	MON 8411	8	EC	2	LB A/A	PRE	0	75	75
5	AATREX	4	F	1.5	LB A/A	PRE			
6	MON 8411	8	EC	2	LB A/A	PRE	0	57	57
6	BALANCE	75	WG	.061	LB A/A	PRE			
7	MON 8411	8	EC	2	LB A/A	PRE	0	83	83
7	MON PER + ATRA	80	WG	1.125	LB A/A	5LC			
7	ACTIVATOR 90			.25	% V/V	5LC			
8	HARNESS XTRA	5.6	EC	2.7	LB A/A	PRE	0	75	75
9	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	82	82
10	MON 58430	3.8	E	2	LB A/A	PRE	10	95	95
10	PERMIT	75	DF	.031	LB A/A	5LC			
10	BANVEL	4	EC	.125	LB A/A	5LC			
10	ACTIVATOR 90			.25	% V/V	5LC			
11	MON 8411	8	EC	2	LB A/A	PRE	10	93	93
11	PERMIT	75	DF	.031	LB A/A	5LC			
11	BANVEL	4	EC	.125	LB A/A	5LC			
11	ACTIVATOR 90			.25	% V/V	5LC			
12	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	72	73
12	PRINCEP	4	F	1	LB A/A	PRE			

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Weed Science Field Research

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST
Crop Code		ZEAMX	
Part Rated			
Rating Data Type		INJURY	CONTROL
Rating Unit		PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval		8 WEEKS	8 WEEKS
PRM Data Type		P	P
# Subsamples, Dec.		0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
13	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	82	82
13	BALANCE	75	WG	.056	LB A/A	PRE			
14	BULLET	4	F	3.75	LB A/A	PRE	0	65	65
15	AXIOM	68	DF	.72	LB A/A	PRE	0	27	27
16	AXIOM	68	DF	.72	LB A/A	PRE	0	63	65
16	AATREX	4	F	1.4	LB A/A	PRE			
17	AXIOM	68	DF	.36	LB A/A	PRE	0	43	43
17	BALANCE	75	WG	.094	LB A/A	PRE			
18	AXIOM	68	DF	.36	LB A/A	PRE	0	70	70
18	HORNET	85.6	WG	.214	LB A/A	PRE			
19	HARNESS	7	EC	1.97	LB A/A	PRE	0	43	43
20	AXIOM	68	DF	.72	LB A/A	PRE	0	43	43
20	BALANCE	75	WG	.047	LB A/A	PRE			
21	AXIOM AT	75	WG	1.5	LB A/A	PRE	0	43	48
22	AXIOM AT	75	WG	1.5	LB A/A	PRE	0	67	72
22	BALANCE	75	WG	.035	LB A/A	PRE			
23	AXIOM AT	75	WG	1.88	LB A/A	PRE	0	67	70
24	USA 1000	58	DF	.4	LB A/A	PRE	0	47	47
25	USA 1000	58	DF	.54	LB A/A	PRE	0	53	53
26	USA 1000	58	DF	.4	LB A/A	PRE	0	75	75
26	AATREX	4	F	.75	LB A/A	PRE			
27	BICEP II MAGNUM	5.5	L	2.85	LB A/A	PRE	0	83	73
28	BICEP II MAGNUM	5.5	L	2.28	LB A/A	PRE	0	68	70
28	BALANCE	75	WG	.067	LB A/A	PRE			
29	GUARDSMAN	5	E	2.8	LB A/A	PRE	0	83	83

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

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST
Crop Code		ZEAMX	
Part Rated			
Rating Data Type		INJURY	CONTROL
Rating Unit		PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval		8 WEEKS	8 WEEKS
PRM Data Type		P	P
# Subsamples, Dec.		0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
30	GUARDSMAN	5	E	2.8	LB A/A	PRE	0	93	93
30	MARKSMAN	3.2	F	1.4	LB A/A	8LC			
31	FRONTIER	6	E	1.3	LB A/A	PRE	0	85	87
31	MARKSMAN	3.2	F	1.4	LB A/A	8LC			
32	BAS 656	6	EC	.72	LB A/A	PRE	0	90	90
32	AATREX	4	F	1.5	LB A/A	PRE			
33	BAS 656	6	EC	1.7	LB A/A	PRE	0	78	78
33	AATREX	4	F	1.5	LB A/A	PRE			
34	FRONTIER	6	E	1.3	LB A/A	PRE	0	83	83
34	AATREX	4	F	1.5	LB A/A	PRE			
35	FRONTIER	6	E	2.4	LB A/A	PRE	0	70	70
35	AATREX	4	F	1.5	LB A/A	PRE			
36	DUAL II MAGNUM	7.6	EC	1.3	LB A/A	PRE	0	90	90
36	AATREX	4	F	1.5	LB A/A	PRE			
37	UK 5000					PRE			
38	BICEP II	5.9	F	3.6	LB A/A	PRE	0	85	87
38	PYTHON	80	WG	.05	LB A/A	PRE			
39	BICEP TR	4.59	L	1.696	LB A/A	PRE	0	57	53
40	BICEP TR	4.59	L	2.31	LB A/A	PRE	0	77	75
41	BICEP TR	4.59	L	3.393	LB A/A	PRE	0	75	75
42	BICEP II MAGNUM LITE	6	L	1.65	LB A/A	PRE	0	70	70
42	FLUMETSULAM	80	WG	.035	LB A/A	PRE			
43	BICEP II MAGNUM LITE	6	L	2.25	LB A/A	PRE	0	67	65
43	FLUMETSULAM	80	WG	.047	LB A/A	PRE			
44	BICEP II MAGNUM LITE	6	L	3.3	LB A/A	PRE	0	85	82
44	FLUMETSULAM	80	WG	.07	LB A/A	PRE			

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

CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg
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LSD (P=.05)	0.0	16.8	22.2
Standard Deviation	0.0	10.3	13.6
CV	0.0	14.49	19.16

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

CORN PREEMERGENCE

Trial ID: C8001 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

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

Trial Status: COMPLETE Initiation Date: 4-29-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.XANST COM. COCKLEBUR 2.IPOHE IVYLEAF MG

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-29-98
Planting Method: ROWS Rate: 25000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: DRY Emergence Date: 5-10-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 64 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Overall Moisture Conditions: DRY-WET-DRY
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-29-98	5-29-98	5-29-98	6-4-98		
Time of Day:	4:00 PM	2:00 PM	2:00 PM	3:30 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	PRE	MP	5LC	8LC		
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL		
Air Temp., Unit:	60 F	87 F	87 F	72 F		
% Relative Humidity:	80	78	78	69		
Wind Velocity, Unit:	3 MPH	3 MPH	3 MPH	4 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	58 F	72 F	72 F	74 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	40	10	10	60		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		MP	5LC	8LC		
		5LC	5LC	8LC		
		12 IN	12 IN	18 IN		

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CORN PREEMERGENCE

Trial ID: C8001
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
-XANST		3-4 IN	3-4 IN	6 IN		
		4-6 LF	4-6 LF	6 LF		
IPOHE		1 IN	1 IN	2 IN		
		COT	COT	2 LF		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN		
Band Width, Unit:	5 FT	5 FT	5 FT	5 FT		
Boom Height, Unit:	19 IN	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

CORN PREEMERGENCE II

Trial ID: C8002
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	IPOSS	SIDSP	ABUTH	ZEAMX	SETFA	IPOSS	SIDSP	ABUTH
Crop Code										
Part Rated										
Rating Data Type	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	93	92	92	90	0	85	90	92	88
1	BASAGRAN	4	E	.25	LB A/A	6C										
1	COC		L	1	QT/A	6C										
2	TOPNOTCH	3.2	CS	1.8	LB A/A	PRE	0	100	92	95	93	0	85	88	95	90
2	BASAGRAN	4	E	.25	LB A/A	6C										
2	COC		L	1	QT/A	6C										
3	DUAL II	7.8	EC	1.95	LB A/A	PRE	0	90	92	93	93	0	80	87	93	93
3	BASAGRAN	4	E	.25	LB A/A	6C										
3	COC		L	1	QT/A	6C										
4	HARNESS	7	EC	2	LB A/A	PRE	0	98	93	95	95	0	87	85	95	95
4	BASAGRAN	4	E	.25	LB A/A	6C										
4	COC		L	1	QT/A	6C										
5	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	97	90	92	92	0	87	85	92	92
5	BASAGRAN	4	E	.25	LB A/A	6C										
5	COC		L	1	QT/A	6C										
6	FRONTIER	6	E	1.4	LB A/A	PRE	0	95	93	93	92	0	78	90	93	92
6	BASAGRAN	4	E	.25	LB A/A	6C										
6	COC		L	1	QT/A	6C										
7	BAS 656	6	EC	.72	LB A/A	PRE	0	97	92	90	90	0	87	85	90	87
7	BASAGRAN	4	E	.25	LB A/A	6C										
7	COC		L	1	QT/A	6C										
8	BAS 656	6	EC	.85	LB A/A	PRE	0	100	93	92	93	0	87	82	92	88
8	BASAGRAN	4	E	.25	LB A/A	6C										
8	COC		L	1	QT/A	6C										
9	AXIOM	68	DF	.72	LB A/A	PRE	0	92	90	92	92	0	77	88	92	92
9	BASAGRAN	4	E	.25	LB A/A	6C										
9	COC		L	1	QT/A	6C										
10	BALANCE	75	WG	.094	LB A/A	PRE	0	95	93	95	95	0	82	88	95	95
10	BASAGRAN	4	E	.25	LB A/A	6C										
10	COC		L	1	QT/A	6C										

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

CORN PREEMERGENCE II

Trial ID: C8002
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SETFA	IPOSS	SIDSP	ABUTH	SETFA	IPOSS	SIDSP	ABUTH
Crop Code	ZEAMX				ZEAMX			
Part Rated								
Rating Data Type	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	LSD (P=.05)	Standard Deviation	CV
							0.0	0.0	0.0
							10.4	6.1	6.34
							5.2	3.0	3.27
							6.4	3.7	4.0
							6.3	3.7	3.99
							0.0	0.0	0.0
							13.6	7.9	9.53
							6.7	3.9	4.47
							6.4	3.7	4.0
							8.4	4.9	5.39

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

CORN PREEMERGENCE II

Trial ID: C8002
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	IPOSS	SIDSP	ABUTH
Crop Code					
Part Rated					
Rating Data Type	INJURY	INJURY	INJURY	INJURY	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	77	88	90	87
1	BASAGRAN	4	E	.25	LB A/A	6C					
1	COC		L	1	QT/A	6C					
2	TOPNOTCH	3.2	CS	1.8	LB A/A	PRE	0	72	82	93	85
2	BASAGRAN	4	E	.25	LB A/A	6C					
2	COC		L	1	QT/A	6C					
3	DUAL II	7.8	EC	1.95	LB A/A	PRE	0	68	85	92	92
3	BASAGRAN	4	E	.25	LB A/A	6C					
3	COC		L	1	QT/A	6C					
4	HARNESS	7	EC	2	LB A/A	PRE	0	77	80	93	93
4	BASAGRAN	4	E	.25	LB A/A	6C					
4	COC		L	1	QT/A	6C					
5	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	70	80	92	92
5	BASAGRAN	4	E	.25	LB A/A	6C					
5	COC		L	1	QT/A	6C					
6	FRONTIER	6	E	1.4	LB A/A	PRE	0	75	87	92	92
6	BASAGRAN	4	E	.25	LB A/A	6C					
6	COC		L	1	QT/A	6C					
7	BAS 656	6	EC	.72	LB A/A	PRE	0	77	80	88	83
7	BASAGRAN	4	E	.25	LB A/A	6C					
7	COC		L	1	QT/A	6C					
8	BAS 656	6	EC	.85	LB A/A	PRE	0	75	75	90	83
8	BASAGRAN	4	E	.25	LB A/A	6C					
8	COC		L	1	QT/A	6C					
9	AXIOM	68	DF	.72	LB A/A	PRE	0	65	85	90	90
9	BASAGRAN	4	E	.25	LB A/A	6C					
9	COC		L	1	QT/A	6C					
10	BALANCE	75	WG	.094	LB A/A	PRE	0	70	83	93	93
10	BASAGRAN	4	E	.25	LB A/A	6C					
10	COC		L	1	QT/A	6C					

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CORN PREEMERGENCE II

Trial ID: C8002
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	IPOSS	SIDSP	ABUTH
Crop Code	ZEAMX				
Part Rated					
Rating Data Type	INJURY	INJURY	INJURY	INJURY	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trit-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trit No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit Unit	Grow Stg
LSD (P=.05)		0.0	19.3	9.5	3.7	11.4
Standard Deviation		0.0	11.3	5.5	2.2	6.6
CV		0.0	15.55	6.68	2.38	7.44

Dept. of Agronomy, Univ. of KY
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CORN PREEMERGENCE II

Trial ID: C8002 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40545

Trial Status: COMPLETE Initiation Date: 5-11-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1. SETFA GIANT FOXTAIL 2. ABUTH VELVETLEAF

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-11-98
Planting Method: ROWS Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 65 F Soil Moisture: NORMAL Emergence Date: 5-20-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: .5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	6-1-98				
Time of Day:	4:00 PM	11:00 AM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	6C				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	80 F	72 F				
% Relative Humidity:	80	72				
Wind Velocity, Unit:	2 MPH	3 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	68 F	70 F				
Soil Moisture:	ADEQUATE	ADEQUATE				
% Cloud Cover:	30	10				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		6C				
		4 LF				
		6 IN				

CORN PREEMERGENCE II

Trial ID: C8002 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		1 IN				
		2LF				
ABUTH		3 IN				
		2 LF				

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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Weed Science Field Research

CORN PREEMERGENCE IT

Trial ID: C8013
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX		XANST	IPOHE	ZEAMX		XANST	IPOHE
Crop Code	ZEAMX	ZEAMX			ZEAMX			
Part Rated								
Rating Data Type	INJURY	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	
PRM Data Type	P	P	P	P	P	P	P	
# Subsamples, Dec.	0	0	0	0	0	0	0	

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg							
1	PURSUIT	70	DF	.063	LB A/A	PRE	0	0	63	80	0	37	60
1	DUAL II	7.8	EC	2	LB A/A	PRE							
2	PURSUIT	70	DF	.094	LB A/A	PRE	0	0	70	83	0	43	67
2	DUAL II	7.8	EC	2	LB A/A	PRE							
3	PURSUIT	70	DF	.125	LB A/A	PRE	0	0	80	83	0	60	73
3	DUAL II	7.8	EC	2	LB A/A	PRE							
4	PURSUIT	70	DF	.063	LB A/A	PRE	0	0	80	83	0	73	78
4	SCEPTER	70	WG	.032	LB A/A	PRE							
4	DUAL II	7.8	EC	2	LB A/A	PRE							
5	PURSUIT	70	DF	.063	LB A/A	PRE	0	0	77	82	0	53	67
5	SCEPTER	70	WG	.047	LB A/A	PRE							
5	DUAL II	7.8	EC	2	LB A/A	PRE							
6	PURSUIT	70	DF	.094	LB A/A	PRE	0	0	90	93	0	73	88
6	SCEPTER	70	WG	.032	LB A/A	PRE							
6	DUAL II	7.8	EC	2	LB A/A	PRE							
7	PURSUIT	70	DF	.094	LB A/A	PRE	0	0	92	92	0	83	90
7	SCEPTER	70	WG	.047	LB A/A	PRE							
7	DUAL II	7.8	EC	2	LB A/A	PRE							
8	PURSUIT	70	DF	.063	LB A/A	PRE	0	0	77	87	0	63	77
8	SCEPTER	70	WG	.032	LB A/A	PRE							
8	AATREX	4	F	.5	LB A/A	PRE							
8	DUAL II	7.8	EC	2	LB A/A	PRE							
9	PURSUIT	70	DF	.063	LB A/A	PRE	0	0	87	90	0	70	80
9	SCEPTER	70	WG	.047	LB A/A	PRE							
9	AATREX	4	F	.5	LB A/A	PRE							
9	DUAL II	7.8	EC	2	LB A/A	PRE							
10	PURSUIT	70	DF	.063	LB A/A	PRE	0	0	85	83	0	63	73
10	AATREX	4	F	1	LB A/A	PRE							
10	DUAL II	7.8	EC	2	LB A/A	PRE							
11	BICEP II	5.9	F	3.6	LB A/A	PRE	0	0	77	87	0	47	80

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

CORN PREEMERGENCE IT

Trial ID: C8013
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX		XANST	IPOHE	ZEAMX		XANST	IPOHE
Crop Code	ZEAMX		XANST	IPOHE	ZEAMX		XANST	IPOHE
Part Rated	ZEAMX		XANST	IPOHE	ZEAMX		XANST	IPOHE
Rating Data Type	INJURY	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	ZEAMX		XANST	IPOHE	ZEAMX		XANST	IPOHE
Footnote Number	ZEAMX		XANST	IPOHE	ZEAMX		XANST	IPOHE
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Rate Unit	Grow Stg					
12	Untreated						0	0	0	0	0
	LSD (P=.05)						0.0	0.0	12.4	8.0	0.0
	Standard Deviation						0.0	0.0	7.3	4.7	0.0
	CV						0.0	0.0	10.03	6.01	0.0
										17.9	15.2
										10.5	9.0
										18.97	12.94

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

CORN PREEMERGENCE IT

Trial ID: C8013 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 53 F Soil Moisture: NORMAL Emergence Date: 5-12-98
Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98					
Time of Day:	4:00 PM					
Application Method:	SPRAY					
Application Timing:	PRE					
Applic. Placement:	BROSOI					
Air Temp., Unit:	54 F					
% Relative Humidity:	62					
Wind Velocity, Unit:	4 MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	54 F					
Soil Moisture:	ADEQUATE					
% Cloud Cover:	40					

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX						

CORN PREEMERGENCE IT

Trial ID: C8013

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4	WHEELER				
Operating Pressure:	30					
Nozzle Type:	FLAT	FAN				
Nozzle Size:	8004					
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					

Trt No

Treatment Application Comment

Dept. of Agronomy, Univ. of KY
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CORN PREEMERGENCE BALANCE

Trial ID: 98BALCR2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
1	BALANCE	75	WG	.094	LB A/A	PRE	0	77	57	67	0	67	47	50
2	BALANCE	75	WG	.094	LB A/A	PRE	0	95	95	92	0	87	80	82
2	AATREX	4	F	1.5	LB A/A	PRE								
3	BALANCE	75	WG	.094	LB A/A	PRE	0	90	83	83	0	77	63	62
3	HARNESS	7	EC	.875	LB A/A	PRE								
4	BALANCE	75	WG	.094	LB A/A	PRE	0	97	95	97	0	88	82	85
4	HARNESS	7	EC	.875	LB A/A	PRE								
4	AATREX	4	F	1.5	LB A/A	PRE								
5	BALANCE	75	WG	.094	LB A/A	PRE	0	100	97	95	0	95	93	92
5	AXIOM	68	DF	.425	LB A/A	PRE								
5	AATREX	4	F	1.5	LB A/A	PRE								
6	BALANCE	75	WG	.094	LB A/A	PRE	0	100	97	92	0	93	87	83
6	BICEP II	5.9	F	2.21	LB A/A	PRE								
7	BALANCE	75	WG	.094	LB A/A	PRE	0	98	95	95	0	90	88	75
7	HARNESS XTRA	5.6	EC	2.24	LB A/A	PRE								
8	BALANCE	75	WG	.094	LB A/A	PRE	10	97	97	93	0	90	93	82
8	HARNESS	7	EC	.875	LB A/A	PRE								
8	DISTINCT	70	WG	.265	LB A/A	MP								
8	COC		L	1	QT/A	MP								
8	LIQUID N		L	1	QT/A	MP								
9	BALANCE	75	WG	.094	LB A/A	PRE	0	98	97	98	0	88	92	92
9	HARNESS	7	EC	.875	LB A/A	PRE								
9	BUCTRIL	2	EC	.25	LB A/A	MP								
9	AATREX	4	F	.5	LB A/A	MP								
10	BALANCE	75	WG	.094	LB A/A	PRE	10	100	98	97	0	97	92	92
10	AATREX	4	F	1.5	LB A/A	PRE								
10	BASIS GOLD	89.5	DF	.78	LB A/A	MP								
10	COC		L	1	QT/A	MP								
10	LIQUID N		L	1	QT/A	MP								

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

CORN PREEMERGENCE BALANCE

Trial ID: 98BALCR2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
11	BALANCE	75	WG	.094	LB A/A	PRE	3	100	98	97	0	95	95	93
11	ACCENT	75	WG	.015	LB A/A	MP								
11	BEACON	75	DF	.016	LB A/A	MP								
11	COC		L	1	QT/A	MP								
12	BALANCE	75	WG	.094	LB A/A	PRE	3	97	95	93	0	93	93	92
12	HARNESS	7	EC	.875	LB A/A	PRE								
12	EXCEED	57	DF	.036	LB A/A	MP								
12	COC		L	1	QT/A	MP								
13	BALANCE	75	WG	.094	LB A/A	PRE	10	100	98	98	0	90	93	93
13	FRONTIER	6	E	.875	LB A/A	PRE								
13	MARKSMAN	3.2	F	1.4	LB A/A	MP								
14	BALANCE	75	WG	.094	LB A/A	PRE	0	100	87	95	0	87	73	80
14	GUARDSMAN	5	E	1.87	LB A/A	PRE								
15	BALANCE	75	WG	.094	LB A/A	PRE	0	98	93	92	0	92	88	83
15	FULTIME	4	CS	2.5	LB A/A	PRE								
16	BICEP II	5.9	F	3.5	LB A/A	PRE	0	100	78	90	0	92	70	77
LSD (P=.05)							3.5	5.0	8.5	9.5	0.0	6.9	11.5	13.0
Standard Deviation							2.1	3.0	5.1	5.7	0.0	4.2	6.9	7.8
CV							90.54	3.08	5.58	6.18	0.0	4.69	8.29	9.51

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

CORN PREEMERGENCE BALANCE

Trial ID: 98BALCR2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST	IPOSS
Crop Code		ZEAMX		
Part Rated				
Rating Data Type		INJURY	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval		8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type		P	P	P
# Subsamples, Dec.		0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	BALANCE	75	WG	.094	LB A/A	PRE	0	67	47	50
2	BALANCE	75	WG	.094	LB A/A	PRE	0	87	77	73
2	AATREX	4	F	1.5	LB A/A	PRE				
3	BALANCE	75	WG	.094	LB A/A	PRE	0	77	60	58
3	HARNESS	7	EC	.875	LB A/A	PRE				
4	BALANCE	75	WG	.094	LB A/A	PRE	0	88	73	83
4	HARNESS	7	EC	.875	LB A/A	PRE				
4	AATREX	4	F	1.5	LB A/A	PRE				
5	BALANCE	75	WG	.094	LB A/A	PRE	0	95	82	85
5	AXIOM	68	DF	.425	LB A/A	PRE				
5	AATREX	4	F	1.5	LB A/A	PRE				
6	BALANCE	75	WG	.094	LB A/A	PRE	0	93	83	75
6	BICEP II	5.9	F	2.21	LB A/A	PRE				
7	BALANCE	75	WG	.094	LB A/A	PRE	0	90	87	67
7	HARNESS XTRA	5.6	EC	2.24	LB A/A	PRE				
8	BALANCE	75	WG	.094	LB A/A	PRE	0	90	93	82
8	HARNESS	7	EC	.875	LB A/A	PRE				
8	DISTINCT	70	WG	.265	LB A/A	MP				
8	COC		L	1	QT/A	MP				
8	LIQUID N		L	1	QT/A	MP				
9	BALANCE	75	WG	.094	LB A/A	PRE	0	92	88	85
9	HARNESS	7	EC	.875	LB A/A	PRE				
9	BUCTRIL	2	EC	.25	LB A/A	MP				
9	AATREX	4	F	.5	LB A/A	MP				
10	BALANCE	75	WG	.094	LB A/A	PRE	0	97	87	92
10	AATREX	4	F	1.5	LB A/A	PRE				
10	BASIS GOLD	89.5	DF	.78	LB A/A	MP				
10	COC		L	1	QT/A	MP				
10	LIQUID N		L	1	QT/A	MP				

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

CORN PREEMERGENCE BALANCE

Trial ID: 98BALCR2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST	IPOSS
Crop Code	ZEAMX			
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg				
11	BALANCE	75	WG	.094	LB A/A	PRE	0	95	92	92
11	ACCENT	75	WG	.015	LB A/A	MP				
11	BEACON	75	DF	.016	LB A/A	MP				
11	COC		L	1	QT/A	MP				
12	BALANCE	75	WG	.094	LB A/A	PRE	0	93	93	92
12	HARNESS	7	EC	.875	LB A/A	PRE				
12	EXCEED	57	DF	.036	LB A/A	MP				
12	COC		L	1	QT/A	MP				
13	BALANCE	75	WG	.094	LB A/A	PRE	0	90	90	90
13	FRONTIER	6	E	.875	LB A/A	PRE				
13	MARKSMAN	3.2	F	1.4	LB A/A	MP				
14	BALANCE	75	WG	.094	LB A/A	PRE	0	87	73	77
14	GUARDSMAN	5	E	1.87	LB A/A	PRE				
15	BALANCE	75	WG	.094	LB A/A	PRE	0	92	77	60
15	FULTIME	4	CS	2.5	LB A/A	PRE				
16	BICEP II	5.9	F	3.5	LB A/A	PRE	0	92	60	73
LSD (P=.05)							0.0	6.5	12.8	14.2
Standard Deviation							0.0	3.9	7.7	8.5
CV							0.0	4.39	9.72	11.04

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

CORN PREEMERGENCE BALANCE

Trial ID: 98BALCR2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40546
Trial Status: Complete Initiation Date: 5-4-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. ABUTH VELVETLEAF 3. XANST C. COCKLEBUR
4. IPOHE IVYLEAF MG

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-4-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 57 F Soil Moisture: NORMAL Emergence Date: 5-16-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-4-98	6-1-98				
Time of Day:	5:00 PM	3:00 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	55 F	72 F				
% Relative Humidity:	80	90				
Wind Velocity, Unit:	3 MPH	3 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	57 F	70 F				
Soil Moisture:	ADEQUATE	ADEQUATE				
% Cloud Cover:	20	30				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		6 LF				
		16 IN				

CORN PREEMERGENCE BALANCE

Trial ID: 98BALCR2

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		2 LF				
		2 IN				
ABUTH		4 LF				
		3 IN				
XANST		8 LF				
		6 IN				
IPOHE		4 LF				
		3 IN				

APPLICATION EQUIPMENT

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

Trt No

Treatment Application Comment

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Weed Science Field Research

CORN POSTEMERGENCE

Trial ID: C8003
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	AMBTR	CHEAL	IPOHE	ZEAMX	SETFA	AMBTR	CHEAL	IPOHE
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	DUAL II MAGNUM	7.6	EC	.96	LB A/A	PRE	0	100	50	43	100	0	100	90	77	80
1	BEACON	75	DF	.018	LB A/A	12C										
1	COC		L	1	QT/A	12C										
1	LIQUID N		L	1	QT/A	12C										
2	DUAL II MAGNUM	7.6	EC	.96	LB A/A	PRE	0	100	67	63	100	0	100	90	73	97
2	BEACON	75	DF	.018	LB A/A	12C										
2	ACTION	.9	EC	.0027	LB A/A	12C										
2	COC		L	1	QT/A	12C										
2	LIQUID N		L	1	QT/A	12C										
3	DUAL II MAGNUM	7.6	EC	.96	LB A/A	PRE	0	100	73	60	100	0	100	93	73	97
3	BEACON	75	DF	.018	LB A/A	12C										
3	ACTION	.9	EC	.0036	LB A/A	12C										
3	COC		L	1	QT/A	12C										
3	LIQUID N		L	1	QT/A	12C										
4	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	100	100	100	100	0	100	97	100	87
4	NORTHSTAR	47.4	WG	.119	LB A/A	6C										
4	INDUCE			.25	% V/V	6C										
5	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	3	100	100	100	100	0	100	97	100	90
5	NORTHSTAR	47.4	WG	.148	LB A/A	6C										
5	INDUCE			.25	% V/V	6C										
6	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	100	93	100	100	0	100	97	100	83
6	NORTHSTAR	47.4	WG	.119	LB A/A	6C										
6	INDUCE			.25	% V/V	6C										
6	LIQUID N		L	4	QT/A	6C										
7	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	100	93	100	100	0	100	97	100	90
7	NORTHSTAR	47.4	WG	.148	LB A/A	6C										
7	INDUCE			.25	% V/V	6C										
7	LIQUID N		L	4	QT/A	6C										
8	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	100	100	100	100	0	100	100	100	90
8	NORTHSTAR	47.4	WG	.148	LB A/A	6C										
8	COC		L	1	QT/A	6C										

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

CORN POSTEMERGENCE

Trial ID: C8003
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SETFA	AMBTR	CHEAL	IPOHE	SETFA	AMBTR	CHEAL	IPOHE
Crop Code	ZEAMX				ZEAMX			
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	0	100	100	100	100	0	100	97	100	90
9	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	100	100	100	100	0	100	97	100	90
9	NORTHSTAR	47.4	WG	.148	LB A/A	6C										
9	COC		L	1	QT/A	6C										
9	LIQUID N		L	4	QT/A	6C										
10	BICEP LITE II MAGNUM	6	SL	1.88	LB A/A	PRE	0	100	100	100	100	0	100	100	100	93
10	EXCEED	57	DF	.036	LB A/A	6C										
10	COC		L	1	QT/A	6C										
11	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	100	90	100	0	100	97	90	93
11	EXCEED	57	DF	.036	LB A/A	6C										
11	COC		L	1	QT/A	6C										
12	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	100	100	100	0	100	97	100	93
12	EXCEED	57	DF	.036	LB A/A	6C										
12	BANVEL	4	EC	.125	LB A/A	6C										
12	COC		L	1	QT/A	6C										
13	BICEP LITE II MAGNUM	6	SL	1.88	LB A/A	PRE	0	100	100	100	100	0	100	100	100	93
13	SPIRIT	57	WG	.036	LB A/A	6C										
13	COC		L	1	QT/A	6C										
14	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	100	93	100	0	100	100	90	93
14	SPIRIT	57	WG	.036	LB A/A	6C										
14	COC		L	1	QT/A	6C										
15	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	100	100	100	0	100	97	97	90
15	SPIRIT	57	WG	.036	LB A/A	6C										
15	BANVEL	4	EC	.125	LB A/A	6C										
15	COC		L	1	QT/A	6C										
16	BICEP II	5.9	F	3.2	LB A/A	PRE	3	100	97	100	100	0	100	100	100	93
16	HORNET	85.6	WG	.086	LB A/A	10C										
16	COC		L	1	QT/A	10C										
17	BICEP II	5.9	F	3.2	LB A/A	PRE	0	100	97	100	100	0	100	100	100	97
17	HORNET	85.6	WG	.086	LB A/A	10C										
17	AATREX	4	F	1	LB A/A	10C										
17	COC		L	1	QT/A	10C										

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

CORN POSTEMERGENCE

Trial ID: C8003
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZETFA					ZETFA				
Crop Code	ZETFA					ZETFA				
Part Rated	ZETFA					ZETFA				
Rating Data Type	ZETFA					ZETFA				
Rating Unit	ZETFA					ZETFA				
Rating Date	ZETFA					ZETFA				
Footnote Number	ZETFA					ZETFA				
Trt-Eval Interval	ZETFA					ZETFA				
PRM Data Type	ZETFA					ZETFA				
# Subsamples, Dec.	ZETFA					ZETFA				
	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
	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
	P	P	P	P	P	P	P	P	P	P
	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZETFA	ZETFA	ZETFA	ZETFA	ZETFA	ZETFA	ZETFA	ZETFA	ZETFA
18	DUAL II	7.8	EC	2	LB A/A	PRE	3	100	100	100	100	0	100	100	100
18	HORNET	85.6	WG	.086	LB A/A	10C									
18	AATREX	4	F	1.5	LB A/A	10C									
18	COC		L	1	QT/A	10C									
19	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	93	97	100	0	100	97	97
19	SCORPION III	84.3	WG	.21	LB A/A	8C									
19	INDUCE			.25	% V/V	8C									
	LSD (P=.05)						3.9	0.0	9.1	9.4	0.0	0.0	0.0	7.7	4.8
	Standard Deviation						2.4	0.0	5.5	5.7	0.0	0.0	0.0	4.7	2.9
	CV						447.83	0.0	5.94	6.2	0.0	0.0	0.0	4.79	3.1

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

CORN POSTEMERGENCE

Trial ID: C8003
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SEFTA	AMBTR	CHEAL	IPOHE
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	DUAL II MAGNUM	7.6	EC	.96	LB A/A	PRE	0.0	100.0	93.3	76.7	80.0
1	BEACON	75	DF	.018	LB A/A	12C					
1	COC		L	1	QT/A	12C					
1	LIQUID N		L	1	QT/A	12C					
2	DUAL II MAGNUM	7.6	EC	.96	LB A/A	PRE	0.0	100.0	90.0	73.3	86.7
2	BEACON	75	DF	.018	LB A/A	12C					
2	ACTION	.9	EC	.0027	LB A/A	12C					
2	COC		L	1	QT/A	12C					
2	LIQUID N		L	1	QT/A	12C					
3	DUAL II MAGNUM	7.6	EC	.96	LB A/A	PRE	0.0	100.0	93.3	73.3	96.7
3	BEACON	75	DF	.018	LB A/A	12C					
3	ACTION	.9	EC	.0036	LB A/A	12C					
3	COC		L	1	QT/A	12C					
3	LIQUID N		L	1	QT/A	12C					
4	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0.0	100.0	93.3	100.0	86.7
4	NORTHSTAR	47.4	WG	.119	LB A/A	6C					
4	INDUCE			.25	% V/V	6C					
5	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0.0	100.0	96.7	100.0	90.0
5	NORTHSTAR	47.4	WG	.148	LB A/A	6C					
5	INDUCE			.25	% V/V	6C					
6	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0.0	100.0	96.7	100.0	86.7
6	NORTHSTAR	47.4	WG	.119	LB A/A	6C					
6	INDUCE			.25	% V/V	6C					
6	LIQUID N		L	4	QT/A	6C					
7	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0.0	100.0	96.7	100.0	90.0
7	NORTHSTAR	47.4	WG	.148	LB A/A	6C					
7	INDUCE			.25	% V/V	6C					
7	LIQUID N		L	4	QT/A	6C					
8	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0.0	100.0	100.0	100.0	93.3
8	NORTHSTAR	47.4	WG	.148	LB A/A	6C					
8	COC		L	1	QT/A	6C					

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

CORN POSTEMERGENCE

Trial ID: C8003
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SEFTA	AMBTR	CHEAL	IPOHE
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
9	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0.0	100.0	96.7	100.0	93.3
9	NORTHSTAR	47.4	WG	.148	LB A/A	6C					
9	COC		L	1	QT/A	6C					
9	LIQUID N		L	4	QT/A	6C					
10	BICEP LITE II MAGNUM	6	SL	1.88	LB A/A	PRE	0.0	100.0	100.0	100.0	96.7
10	EXCEED	57	DF	.036	LB A/A	6C					
10	COC		L	1	QT/A	6C					
11	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0.0	100.0	96.7	86.7	90.0
11	EXCEED	57	DF	.036	LB A/A	6C					
11	COC		L	1	QT/A	6C					
12	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0.0	100.0	96.7	100.0	96.7
12	EXCEED	57	DF	.036	LB A/A	6C					
12	BANVEL	4	EC	.125	LB A/A	6C					
12	COC		L	1	QT/A	6C					
13	BICEP LITE II MAGNUM	6	SL	1.88	LB A/A	PRE	0.0	100.0	100.0	100.0	96.7
13	SPIRIT	57	WG	.036	LB A/A	6C					
13	COC		L	1	QT/A	6C					
14	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0.0	100.0	100.0	90.0	90.0
14	SPIRIT	57	WG	.036	LB A/A	6C					
14	COC		L	1	QT/A	6C					
15	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0.0	100.0	100.0	100.0	93.3
15	SPIRIT	57	WG	.036	LB A/A	6C					
15	BANVEL	4	EC	.125	LB A/A	6C					
15	COC		L	1	QT/A	6C					
16	BICEP II	5.9	F	3.2	LB A/A	PRE	0.0	100.0	100.0	100.0	100.0
16	HORNET	85.6	WG	.086	LB A/A	10C					
16	COC		L	1	QT/A	10C					
17	BICEP II	5.9	F	3.2	LB A/A	PRE	0.0	100.0	100.0	100.0	100.0
17	HORNET	85.6	WG	.086	LB A/A	10C					
17	AATREX	4	F	1	LB A/A	10C					
17	COC		L	1	QT/A	10C					

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

CORN POSTEMERGENCE

Trial ID: C8003
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SEFTA	AMBTR	CHEAL	IPOHE
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
18	DUAL II	7.8	EC	2	LB A/A	PRE	0.0	100.0	100.0	100.0	100.0
18	HORNET	85.6	WG	.086	LB A/A	10C					
18	AATREX	4	F	1.5	LB A/A	10C					
18	COC		L	1	QT/A	10C					
19	FRONTIER	6	E	1.3	LB A/A	PRE	0.0	100.0	96.7	96.7	90.0
19	SCORPION III	84.3	WG	.21	LB A/A	8C					
19	INDUCE			.25	% V/V	8C					
LSD (P=.05)							0.00	0.00	7.78	6.20	7.57
Standard Deviation							0.00	0.00	4.71	3.76	4.59
CV							0.0	0.0	4.85	3.98	4.96

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

CORN POSTEMERGENCE

Trial ID: C8003 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

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

Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.AMBTR G. RAGWEED 2.CHEAL C.LAMBSQUARTERS

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-28-98
Planting Method: ROWS Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 54 F Soil Moisture: NORMAL Emergence Date: 5-8-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 64 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-18-98	5-21-98	5-25-98	5-27-98	
Time of Day:	4:00 PM	11:00 AM	2:00 PM	1:00 PM	3:00 PM	
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
Application Timing:	PRE	6C	8C	10C	12C	
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	
Air Temp., Unit:	60 F	87 F	71 F	68 F	71 F	
% Relative Humidity:	70	60	80	90	84	
Wind Velocity, Unit:	4 MPH	2.5 MPH	3 MPH	4 MPH	3 MPH	
Dew Presence (Y/N):	N	N	N	N	N	
Soil Temp., Unit:	58 F	74 F	77 F	72 F	72 F	
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	
% Cloud Cover:	50	20	10	40	10	

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX						
		4 LF	5 LF	5 LF	6 LF	
		6 IN	8 IN	10 IN	12 IN	

Dept. of Agronomy, Univ. of KY
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CORN POSTEMERGENCE

Trial ID: C8003 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
AMBTR		4 LF	6 LF	8 LF	10 LF	
		3 IN	5 IN	9 IN	12 IN	
CHEAL		2 LF	4 LF	6 LF	8 LF	
		1 IN	2 IN	3 IN	5 IN	

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	97	83	97	100	0	100	100	53
1	HORNET	85.6	WG	.125	LB A/A	MP										
1	COC		L	1	QT/A	MP										
1	LIQUID N		L	2	QT/A	MP										
2	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	93	70	97	100	0	100	100	93
2	HORNET	85.6	WG	.125	LB A/A	MP										
2	AATREX	4	F	.25	LB A/A	MP										
2	COC		L	1	QT/A	MP										
2	LIQUID N		L	2	QT/A	MP										
3	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	97	73	100	100	0	100	100	100
3	HORNET	85.6	WG	.125	LB A/A	MP										
3	AATREX	4	F	.5	LB A/A	MP										
3	COC		L	1	QT/A	MP										
3	LIQUID N		L	2	QT/A	MP										
4	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	100	100	100	0	100	97	100
4	HORNET	85.6	WG	.125	LB A/A	MP										
4	AATREX	4	F	1	LB A/A	MP										
4	COC		L	1	QT/A	MP										
4	LIQUID N		L	2	QT/A	MP										
5	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	93	100	100	0	100	97	100
5	HORNET	85.6	WG	.125	LB A/A	MP										
5	BANVEL	4	EC	.125	LB A/A	MP										
5	COC		L	1	QT/A	MP										
5	LIQUID N		L	2	QT/A	MP										
6	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	100	100	100	0	100	97	100
6	HORNET	85.6	WG	.125	LB A/A	MP										
6	BANVEL	4	EC	.25	LB A/A	MP										
6	COC		L	1	QT/A	MP										
6	LIQUID N		L	2	QT/A	MP										
7	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	77	100	100	0	100	97	73
7	HORNET	85.6	WG	.125	LB A/A	MP										
7	BEACON	75	DF	.0044	LB A/A	MP										
7	COC		L	1	QT/A	MP										
7	LIQUID N		L	2	QT/A	MP										

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

CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
8	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	83	100	100	0	100	100	83
8	HORNET	85.6	WG	.125	LB A/A	MP										
8	BEACON	75	DF	.009	LB A/A	MP										
8	COC		L	1	QT/A	MP										
8	LIQUID N		L	2	QT/A	MP										
9	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	80	97	100	0	100	97	83
9	HORNET	85.6	WG	.125	LB A/A	MP										
9	EXCEED	57	DF	.009	LB A/A	MP										
9	COC		L	1	QT/A	MP										
9	LIQUID N		L	2	QT/A	MP										
10	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	97	97	100	100	0	100	97	100
10	HORNET	85.6	WG	.125	LB A/A	MP										
10	MARKSMAN	3.2	F	.2	LB A/A	MP										
10	COC		L	1	QT/A	MP										
10	LIQUID N		L	2	QT/A	MP										
11	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	99	100	100	100	100	0	100	100	100
11	HORNET	85.6	WG	.125	LB A/A	MP										
11	MARKSMAN	3.2	F	.4	LB A/A	MP										
11	COC		L	1	QT/A	MP										
11	LIQUID N		L	2	QT/A	MP										
12	BASIS	75	DF	.0156	LB A/A	PRE	0	99	97	90	100	100	0	100	97	100
12	AATREX	4	F	.675	LB A/A	PRE										
12	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
12	COC		L	1	QT/A	MP										
12	LIQUID N		L	2	QT/A	MP										
13	BASIS	75	DF	.0156	LB A/A	PRE	0	99	100	100	100	100	0	100	97	100
13	AATREX	4	F	.675	LB A/A	PRE										
13	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
13	CLARITY	4	E	.0625	LB A/A	MP										
13	COC		L	1	QT/A	MP										
13	LIQUID N		L	2	QT/A	MP										

Dept. of Agronomy, Univ. of KY
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CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL
14	BALANCE	75	WG	.047	LB A/A	PRE	0	99	93	100	100	100	0	100	97	100
14	AATREX	4	F	.625	LB A/A	PRE										
14	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
14	COC		L	1	QT/A	MP										
14	LIQUID N		L	2	QT/A	MP										
15	SURPASS 100	5	SC	.47	LB A/A	PRE	0	99	73	93	100	100	0	100	83	100
15	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
15	COC		L	1	QT/A	MP										
15	LIQUID N		L	2	QT/A	MP										
16	BASIS	75	DF	.0156	LB A/A	PRE	0	99	100	100	100	100	0	100	100	100
16	BASIS GOLD	89.5	DF	.023	LB A/A	MP										
16	HORNET	85.6	WG	.128	LB A/A	MP										
16	CLARITY	4	E	.0625	LB A/A	MP										
16	COC		L	1	QT/A	MP										
16	LIQUID N		L	2	QT/A	MP										
17	BALANCE	75	WG	.047	LB A/A	PRE	0	99	100	97	100	100	0	100	100	100
17	ACCENT GOLD	75	DF	.023	LB A/A	MP										
17	HORNET	85.6	WG	.128	LB A/A	MP										
17	COC		L	1	QT/A	MP										
17	LIQUID N		L	2	QT/A	MP										
18	ACCENT GOLD	75	DF	.023	LB A/A	3G	0	99	100	83	100	100	0	100	97	67
18	HORNET	85.6	WG	.128	LB A/A	3G										
18	COC		L	1	QT/A	3G										
18	LIQUID N		L	2	QT/A	3G										
19	BASIS GOLD	89.5	DF	.023	LB A/A	3G	0	99	100	63	47	100	0	100	90	67
19	HORNET	85.6	WG	.128	LB A/A	3G										
19	COC		L	1	QT/A	3G										
19	LIQUID N		L	2	QT/A	3G										
20	ACCENT GOLD	75	DF	.023	LB A/A	3G	0	99	97	97	100	100	0	100	93	100
20	HORNET	85.6	WG	.128	LB A/A	3G										
20	ACCENT	75	WG	.012	LB A/A	3G										
20	AATREX	4	F	.45	LB A/A	3G										
20	COC		L	1	QT/A	3G										
20	LIQUID N		L	2	QT/A	3G										

Dept. of Agronomy, Univ. of KY
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CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
21	TOPNOTCH	3.2	CS	.06	LB A/A	PRE	0	99	100	100	100	100	0	100	97	100
21	ACCENT GOLD	75	DF	.023	LB A/A	3G										
21	HORNET	85.6	WG	.128	LB A/A	3G										
21	ACCENT	75	WG	.012	LB A/A	3G										
21	AATREX	4	F	.45	LB A/A	3G										
21	COC		L	1	QT/A	3G										
21	LIQUID N		L	2	QT/A	3G										
22	ACCENT GOLD	75	DF	.023	LB A/A	3G	0	99	100	100	100	100	0	100	100	97
22	HORNET	85.6	WG	.128	LB A/A	3G										
22	ACCENT	75	WG	.016	LB A/A	3G										
22	AATREX	4	F	.45	LB A/A	3G										
22	COC		L	1	QT/A	3G										
22	LIQUID N		L	2	QT/A	3G										
23	BASIS GOLD	89.5	DF	.79	LB A/A	3G	0	99	100	93	100	100	0	100	100	100
23	HORNET	85.6	WG	.064	LB A/A	3G										
23	ACCENT	75	WG	.012	LB A/A	3G										
23	COC		L	1	QT/A	3G										
23	LIQUID N		L	2	QT/A	3G										
24	TOPNOTCH	3.2	CS	.06	LB A/A	PRE	0	99	100	100	100	100	0	100	100	100
24	BASIS GOLD	89.5	DF	.79	LB A/A	3G										
24	HORNET	85.6	WG	.064	LB A/A	3G										
24	ACCENT	75	WG	.012	LB A/A	3G										
24	COC		L	1	QT/A	3G										
24	LIQUID N		L	2	QT/A	3G										
25	BASIS GOLD	89.5	DF	.79	LB A/A	3G	0	99	93	97	100	100	0	100	93	100
25	HORNET	85.6	WG	.064	LB A/A	3G										
25	ACCENT	75	WG	.016	LB A/A	3G										
25	COC		L	1	QT/A	3G										
25	LIQUID N		L	2	QT/A	3G										
26	ACCENT	75	WG	.031	LB A/A	3G	0	99	90	100	100	100	0	100	97	100
26	CLARITY	4	E	.063	LB A/A	3G										
26	AATREX	4	F	.45	LB A/A	3G										
26	COC		L	1	QT/A	3G										
26	LIQUID N		L	2	QT/A	3G										

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CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg							
LSD (P=.05)				0.0	0.0	8.7	23.7	7.5	0.0	0.0	0.0	9.2	17.0
Standard Deviation				0.0	0.0	5.3	14.3	4.5	0.0	0.0	0.0	5.6	10.3
CV				0.0	0.0	5.41	15.73	4.66	0.0	0.0	0.0	5.78	11.08

Dept. of Agronomy, Univ. of KY
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CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
1	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	93	0	100	100	73	97	90
1	HORNET	85.6	WG	.125	LB A/A	MP								
1	COC		L	1	QT/A	MP								
1	LIQUID N		L	2	QT/A	MP								
2	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	90	0	100	100	90	100	87
2	HORNET	85.6	WG	.125	LB A/A	MP								
2	AATREX	4	F	.25	LB A/A	MP								
2	COC		L	1	QT/A	MP								
2	LIQUID N		L	2	QT/A	MP								
3	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	93	0	100	100	100	100	90
3	HORNET	85.6	WG	.125	LB A/A	MP								
3	AATREX	4	F	.5	LB A/A	MP								
3	COC		L	1	QT/A	MP								
3	LIQUID N		L	2	QT/A	MP								
4	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	93	0	100	100	100	100	90
4	HORNET	85.6	WG	.125	LB A/A	MP								
4	AATREX	4	F	1	LB A/A	MP								
4	COC		L	1	QT/A	MP								
4	LIQUID N		L	2	QT/A	MP								
5	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	90	0	100	97	100	100	93
5	HORNET	85.6	WG	.125	LB A/A	MP								
5	BANVEL	4	EC	.125	LB A/A	MP								
5	COC		L	1	QT/A	MP								
5	LIQUID N		L	2	QT/A	MP								
6	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	93	0	100	97	100	100	93
6	HORNET	85.6	WG	.125	LB A/A	MP								
6	BANVEL	4	EC	.25	LB A/A	MP								
6	COC		L	1	QT/A	MP								
6	LIQUID N		L	2	QT/A	MP								
7	ACCENT GOLD	75	DF	.023	LB A/A	MP	97	93	0	100	97	70	93	93
7	HORNET	85.6	WG	.125	LB A/A	MP								
7	BEACON	75	DF	.0044	LB A/A	MP								
7	COC		L	1	QT/A	MP								
7	LIQUID N		L	2	QT/A	MP								

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

CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
8	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	93	0	100	100	83	100	90
8	HORNET	85.6	WG	.125	LB A/A	MP								
8	BEACON	75	DF	.009	LB A/A	MP								
8	COC		L	1	QT/A	MP								
8	LIQUID N		L	2	QT/A	MP								
9	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	90	0	100	97	77	100	90
9	HORNET	85.6	WG	.125	LB A/A	MP								
9	EXCEED	57	DF	.009	LB A/A	MP								
9	COC		L	1	QT/A	MP								
9	LIQUID N		L	2	QT/A	MP								
10	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	90	0	100	100	100	100	90
10	HORNET	85.6	WG	.125	LB A/A	MP								
10	MARKSMAN	3.2	F	.2	LB A/A	MP								
10	COC		L	1	QT/A	MP								
10	LIQUID N		L	2	QT/A	MP								
11	ACCENT GOLD	75	DF	.023	LB A/A	MP	100	90	0	100	100	100	100	90
11	HORNET	85.6	WG	.125	LB A/A	MP								
11	MARKSMAN	3.2	F	.4	LB A/A	MP								
11	COC		L	1	QT/A	MP								
11	LIQUID N		L	2	QT/A	MP								
12	BASIS	75	DF	.0156	LB A/A	PRE	100	93	0	100	97	100	100	97
12	AATREX	4	F	.675	LB A/A	PRE								
12	BASIS GOLD	89.5	DF	.788	LB A/A	MP								
12	COC		L	1	QT/A	MP								
12	LIQUID N		L	2	QT/A	MP								
13	BASIS	75	DF	.0156	LB A/A	PRE	100	93	0	100	97	100	97	97
13	AATREX	4	F	.675	LB A/A	PRE								
13	BASIS GOLD	89.5	DF	.788	LB A/A	MP								
13	CLARITY	4	E	.0625	LB A/A	MP								
13	COC		L	1	QT/A	MP								
13	LIQUID N		L	2	QT/A	MP								

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

CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg							
14	BALANCE	75	WG	.047	LB A/A	PRE	100	90	0	100	100	100	93
14	AATREX	4	F	.625	LB A/A	PRE							
14	BASIS GOLD	89.5	DF	.788	LB A/A	MP							
14	COC		L	1	QT/A	MP							
14	LIQUID N		L	2	QT/A	MP							
15	SURPASS 100	5	SC	.47	LB A/A	PRE	100	93	0	100	83	100	93
15	BASIS GOLD	89.5	DF	.788	LB A/A	MP							
15	COC		L	1	QT/A	MP							
15	LIQUID N		L	2	QT/A	MP							
16	BASIS	75	DF	.0156	LB A/A	PRE	100	90	0	100	100	97	90
16	BASIS GOLD	89.5	DF	.023	LB A/A	MP							
16	HORNET	85.6	WG	.128	LB A/A	MP							
16	CLARITY	4	E	.0625	LB A/A	MP							
16	COC		L	1	QT/A	MP							
16	LIQUID N		L	2	QT/A	MP							
17	BALANCE	75	WG	.047	LB A/A	PRE	100	90	0	100	100	100	90
17	ACCENT GOLD	75	DF	.023	LB A/A	MP							
17	HORNET	85.6	WG	.128	LB A/A	MP							
17	COC		L	1	QT/A	MP							
17	LIQUID N		L	2	QT/A	MP							
18	ACCENT GOLD	75	DF	.023	LB A/A	3G	100	93	0	100	97	67	87
18	HORNET	85.6	WG	.128	LB A/A	3G							
18	COC		L	1	QT/A	3G							
18	LIQUID N		L	2	QT/A	3G							
19	BASIS GOLD	89.5	DF	.023	LB A/A	3G	83	80	0	100	90	60	73
19	HORNET	85.6	WG	.128	LB A/A	3G							
19	COC		L	1	QT/A	3G							
19	LIQUID N		L	2	QT/A	3G							
20	ACCENT GOLD	75	DF	.023	LB A/A	3G	100	93	0	100	87	67	90
20	HORNET	85.6	WG	.128	LB A/A	3G							
20	ACCENT	75	WG	.012	LB A/A	3G							
20	AATREX	4	F	.45	LB A/A	3G							
20	COC		L	1	QT/A	3G							
20	LIQUID N		L	2	QT/A	3G							

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

CORN POSTEMERGENCE II

Trial ID: C8014 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
21	TOPNOTCH	3.2	CS	.06	LB A/A	PRE	100	97	0	100	97	100	100	97
21	ACCENT GOLD	75	DF	.023	LB A/A	3G								
21	HORNET	85.6	WG	.128	LB A/A	3G								
21	ACCENT	75	WG	.012	LB A/A	3G								
21	AATREX	4	F	.45	LB A/A	3G								
21	COC		L	1	QT/A	3G								
21	LIQUID N		L	2	QT/A	3G								
22	ACCENT GOLD	75	DF	.023	LB A/A	3G	100	90	0	100	100	97	100	90
22	HORNET	85.6	WG	.128	LB A/A	3G								
22	ACCENT	75	WG	.016	LB A/A	3G								
22	AATREX	4	F	.45	LB A/A	3G								
22	COC		L	1	QT/A	3G								
22	LIQUID N		L	2	QT/A	3G								
23	BASIS GOLD	89.5	DF	.79	LB A/A	3G	100	97	0	100	100	100	100	97
23	HORNET	85.6	WG	.064	LB A/A	3G								
23	ACCENT	75	WG	.012	LB A/A	3G								
23	COC		L	1	QT/A	3G								
23	LIQUID N		L	2	QT/A	3G								
24	TOPNOTCH	3.2	CS	.06	LB A/A	PRE	100	97	0	100	100	100	100	97
24	BASIS GOLD	89.5	DF	.79	LB A/A	3G								
24	HORNET	85.6	WG	.064	LB A/A	3G								
24	ACCENT	75	WG	.012	LB A/A	3G								
24	COC		L	1	QT/A	3G								
24	LIQUID N		L	2	QT/A	3G								
25	BASIS GOLD	89.5	DF	.79	LB A/A	3G	100	100	0	100	100	100	100	97
25	HORNET	85.6	WG	.064	LB A/A	3G								
25	ACCENT	75	WG	.016	LB A/A	3G								
25	COC		L	1	QT/A	3G								
25	LIQUID N		L	2	QT/A	3G								
26	ACCENT	75	WG	.031	LB A/A	3G	100	90	0	100	97	100	100	90
26	CLARITY	4	E	.063	LB A/A	3G								
26	AATREX	4	F	.45	LB A/A	3G								
26	COC		L	1	QT/A	3G								
26	LIQUID N		L	2	QT/A	3G								

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

CORN POSTEMERGENCE II

Trial ID: C8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	AMACH	IPOSS	ZEAMX	SETFA	XANST	CHEAL	AMACH	IPOSS
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg
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LSD (P=.05)		9.6	8.2	0.0	0.0	7.1	22.2	10.9	10.0
Standard Deviation		5.8	4.9	0.0	0.0	4.3	13.5	6.6	6.1
CV		5.84	5.37	0.0	0.0	4.42	14.7	6.74	6.66

CORN POSTEMERGENCE II

Trial ID: C8014 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 4-29-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.XANST C. COCKLEBUR 2.CHEAL C.LAMBSQUARTERS
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-29-98
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: 5-13-98
Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-29-98	5-20-98				
Time of Day:	1:00 PM	2:00 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP - 3G				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	60 F	73 F				
% Relative Humidity:	85	85				
Wind Velocity, Unit:	3 MPH	4 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	57 F	77 F				
Soil Moisture:	ADEQUATE	ADEQUATE				
% Cloud Cover:	40	50				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF				
		8 IN				

CORN POSTEMERGENCE II

Trial ID: C8014

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
XANST		4 LF				
		3 IN				
CHEAL		6 LF				
		2 IN				

APPLICATION EQUIPMENT

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

Trt No

Treatment Application Comment

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL	SEFTA	XANST	CHEAL	
Crop Code	ZEAMX			ZEAMX			
Part Rated							
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Footnote Number							
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
1	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	77	100	0	100	27	83
1	AMS	100	SG	.008	LB A/A	MP								
1	ACTIVATOR 90			.25	% V/V	MP								
2	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	10	100	87	100	0	100	60	83
2	AIM	40	DF	.008	LB A/A	MP								
2	AATREX	4	F	.5	LB A/A	MP								
2	ACTIVATOR 90			.25	% V/V	MP								
3	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	97	100	0	100	87	93
3	AIM	40	DF	.008	LB A/A	MP								
3	AATREX	4	F	1	LB A/A	MP								
3	ACTIVATOR 90			.25	% V/V	MP								
4	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	93	100	0	100	67	87
4	AIM	40	DF	.008	LB A/A	MP								
4	CLARITY	4	E	.125	LB A/A	MP								
4	ACTIVATOR 90			.25	% V/V	MP								
5	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	23	100	90	100	0	100	33	90
5	AIM	40	DF	.008	LB A/A	MP								
5	WEEDONE LV4	3.8	E	.25	LB A/A	MP								
5	ACTIVATOR 90			.25	% V/V	MP								
6	AIM	40	DF	.008	LB A/A	MP	10	70	77	80	0	97	23	87
6	ACCENT	75	WG	.031	LB A/A	MP								
6	ACTIVATOR 90			.25	% V/V	MP								
7	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	10	100	87	97	0	100	90	77
7	AIM	40	DF	.008	LB A/A	MP								
7	HORNET	85.6	WG	.128	LB A/A	MP								
7	ACTIVATOR 90			.25	% V/V	MP								
8	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	97	100	0	100	83	87
8	AIM	40	DF	.008	LB A/A	MP								
8	EXCEED	57	DF	.018	LB A/A	MP								
8	ACTIVATOR 90			.25	% V/V	MP								

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

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL	SEFTA	XANST	CHEAL	
Crop Code	ZEAMX			ZEAMX			
Part Rated							
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							
Footnote Number							
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
9	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	100	100	0	100	90	87
9	AIM	40	DF	.008	LB A/A	MP								
9	EXCEED	57	DF	.036	LB A/A	MP								
9	ACTIVATOR 90			.25	% V/V	MP								
10	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	93	100	0	100	83	87
10	AIM	40	DF	.008	LB A/A	MP								
10	BEACON	75	DF	.018	LB A/A	MP								
10	ACTIVATOR 90			.25	% V/V	MP								
11	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	13	100	100	100	0	100	87	97
11	AIM	40	DF	.008	LB A/A	MP								
11	MARKSMAN	3.2	F	1	LB A/A	MP								
11	ACTIVATOR 90			.25	% V/V	MP								
12	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	100	100	0	100	90	100
12	MARKSMAN	3.2	F	1.43	LB A/A	MP								
12	ACTIVATOR 90			.25	% V/V	MP								
13	AATREX	4	F	1	LB A/A	PRE	0	100	80	100	0	100	30	90
13	PROWL	3.3	EC	1	LB A/A	3LC								
13	ACCENT	75	WG	.016	LB A/A	3LC								
13	ACTIVATOR 90			.25	% V/V	3LC								
13	LIQUID N		L	1	QT/A	3LC								
14	PROWL	3.3	EC	1	LB A/A	3LC	0	100	93	100	0	100	67	97
14	ACCENT	75	WG	.016	LB A/A	3LC								
14	AATREX	4	F	1	LB A/A	3LC								
14	ACTIVATOR 90			.25	% V/V	3LC								
14	LIQUID N		L	1	QT/A	3LC								
15	PROWL	3.3	EC	1	LB A/A	3LC	0	0	90	97	0	0	93	100
15	HORNET	85.6	WG	.12	LB A/A	3LC								
15	ACTIVATOR 90			.25	% V/V	3LC								
15	LIQUID N		L	1	QT/A	3LC								
16	PROWL	3.3	EC	1	LB A/A	3LC	0	100	40	100	0	100	0	63
16	ACCENT	75	WG	.016	LB A/A	3LC								
16	EXCEED	57	DF	.035	LB A/A	3LC								
16	ACTIVATOR 90			.25	% V/V	3LC								
16	LIQUID N		L	1	QT/A	3LC								

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

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL	SEFTA	XANST	CHEAL
Crop Code	ZEAMX			ZEAMX		
Part Rated						
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
17	PROWL	3.3	EC	1	LB A/A	3LC	3	100	93	100	0	100	70	97
17	ACCENT GOLD	75	DF	.023	LB A/A	3LC								
17	AATREX	4	F	1	LB A/A	3LC								
17	ACTIVATOR 90			.25	% V/V	3LC								
17	LIQUID N		L	1	QT/A	3LC								
18	RESOURCE	.86	EC	.027	LB A/A	MP	13	93	90	77	0	93	70	67
18	ACCENT	75	WG	.031	LB A/A	MP								
18	COC		L	1	QT/A	MP								
19	RESOURCE	.86	EC	.04	LB A/A	MP	10	87	83	90	0	100	37	83
19	ACCENT	75	WG	.031	LB A/A	MP								
19	COC		L	1	QT/A	MP								
20	RESOURCE	.86	EC	.054	LB A/A	MP	17	60	80	97	0	97	37	83
20	ACCENT	75	WG	.031	LB A/A	MP								
20	COC		L	1	QT/A	MP								
21	RESOURCE	.86	EC	.027	LB A/A	MP	10	80	97	100	0	97	73	93
21	ACCENT	75	WG	.031	LB A/A	MP								
21	AATREX	4	F	.5	LB A/A	MP								
21	COC		L	1	QT/A	MP								
22	RESOURCE	.86	EC	.027	LB A/A	MP	13	37	97	100	0	73	83	83
22	BANVEL	4	EC	.25	LB A/A	MP								
22	ACCENT	75	WG	.031	LB A/A	MP								
22	COC		L	1	QT/A	MP								
23	RESOURCE	.86	EC	.027	LB A/A	MP	17	73	90	100	0	77	73	87
23	BANVEL	4	EC	.125	LB A/A	MP								
23	ACCENT	75	WG	.031	LB A/A	MP								
23	COC		L	1	QT/A	MP								
24	RESOURCE	.86	EC	.027	LB A/A	MP	13	57	93	100	0	100	43	90
24	WEEDONE LV4	3.8	E	.25	LB A/A	MP								
24	ACCENT	75	WG	.031	LB A/A	MP								
24	COC		L	1	QT/A	MP								

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

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL	SEFTA	XANST	CHEAL
Crop Code	ZEAMX			ZEAMX		
Part Rated						
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
25	RESOURCE	.86	EC	.027	LB A/A	MP	13	80	93	100	0	83	53	90
25	CLARITY	4	E	.25	LB A/A	MP								
25	ACCENT	75	WG	.031	LB A/A	MP								
25	COC		L	1	QT/A	MP								
26	RESOURCE	.86	EC	.027	LB A/A	MP	10	80	97	100	0	80	87	90
26	MARKSMAN	3.2	F	.8	LB A/A	MP								
26	ACCENT	75	WG	.031	LB A/A	MP								
26	COC		L	1	QT/A	MP								
27	ACCENT	75	WG	.016	LB A/A	MP	0	67	83	80	0	77	90	70
27	EXCEED	57	DF	.018	LB A/A	MP								
27	COC		L	1	QT/A	MP								
27	LIQUID N		L	1	QT/A	MP								
28	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	10	100	90	100	0	100	67	90
28	RESOURCE	.86	EC	.018	LB A/A	MP								
28	AATREX	4	F	.5	LB A/A	MP								
28	COC		L	.5	QT/A	MP								
29	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	13	100	93	100	0	100	77	90
29	RESOURCE	.86	EC	.027	LB A/A	MP								
29	AATREX	4	F	.75	LB A/A	MP								
29	COC		L	.5	QT/A	MP								
30	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	7	100	80	100	0	100	60	90
30	RESOURCE	80	WP	.018	LB A/A	MP								
30	AATREX	4	F	.5	LB A/A	MP								
30	COC		L	.5	QT/A	MP								
31	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	13	100	90	100	0	100	77	93
31	RESOURCE	80	WP	.027	LB A/A	MP								
31	AATREX	4	F	.75	LB A/A	MP								
31	COC		L	.5	QT/A	MP								

LSD (P=.05)	7.2	22.4	9.1	4.4	0.0	9.1	27.5	18.7
Standard Deviation	4.4	13.7	5.6	2.7	0.0	5.6	16.9	11.5
CV	44.36	15.86	6.28	2.78	0.0	6.02	26.04	13.14

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

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	67	90
1	AMS	100	SG	.008	LB A/A	MP				
1	ACTIVATOR 90			.25	% V/V	MP				
2	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	80	97
2	AIM	40	DF	.008	LB A/A	MP				
2	AATREX	4	F	.5	LB A/A	MP				
2	ACTIVATOR 90			.25	% V/V	MP				
3	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	90	100
3	AIM	40	DF	.008	LB A/A	MP				
3	AATREX	4	F	1	LB A/A	MP				
3	ACTIVATOR 90			.25	% V/V	MP				
4	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	80	97
4	AIM	40	DF	.008	LB A/A	MP				
4	CLARITY	4	E	.125	LB A/A	MP				
4	ACTIVATOR 90			.25	% V/V	MP				
5	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	93	93
5	AIM	40	DF	.008	LB A/A	MP				
5	WEEDONE LV4	3.8	E	.25	LB A/A	MP				
5	ACTIVATOR 90			.25	% V/V	MP				
6	AIM	40	DF	.008	LB A/A	MP	0	100	83	80
6	ACCENT	75	WG	.031	LB A/A	MP				
6	ACTIVATOR 90			.25	% V/V	MP				
7	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	93	77
7	AIM	40	DF	.008	LB A/A	MP				
7	HORNET	85.6	WG	.128	LB A/A	MP				
7	ACTIVATOR 90			.25	% V/V	MP				
8	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	93	93
8	AIM	40	DF	.008	LB A/A	MP				
8	EXCEED	57	DF	.018	LB A/A	MP				
8	ACTIVATOR 90			.25	% V/V	MP				

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SEFTA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
9	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	90	97
9	AIM	40	DF	.008	LB A/A	MP				
9	EXCEED	57	DF	.036	LB A/A	MP				
9	ACTIVATOR 90			.25	% V/V	MP				
10	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	87	80
10	AIM	40	DF	.008	LB A/A	MP				
10	BEACON	75	DF	.018	LB A/A	MP				
10	ACTIVATOR 90			.25	% V/V	MP				
11	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	80	100
11	AIM	40	DF	.008	LB A/A	MP				
11	MARKSMAN	3.2	F	1	LB A/A	MP				
11	ACTIVATOR 90			.25	% V/V	MP				
12	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	100	60	100
12	MARKSMAN	3.2	F	1.43	LB A/A	MP				
12	ACTIVATOR 90			.25	% V/V	MP				
13	AATREX	4	F	1	LB A/A	PRE	0	100	70	87
13	PROWL	3.3	EC	1	LB A/A	3LC				
13	ACCENT	75	WG	.016	LB A/A	3LC				
13	ACTIVATOR 90			.25	% V/V	3LC				
13	LIQUID N		L	1	QT/A	3LC				
14	PROWL	3.3	EC	1	LB A/A	3LC	0	100	83	97
14	ACCENT	75	WG	.016	LB A/A	3LC				
14	AATREX	4	F	1	LB A/A	3LC				
14	ACTIVATOR 90			.25	% V/V	3LC				
14	LIQUID N		L	1	QT/A	3LC				
15	PROWL	3.3	EC	1	LB A/A	3LC	0	0	90	100
15	HORNET	85.6	WG	.12	LB A/A	3LC				
15	ACTIVATOR 90			.25	% V/V	3LC				
15	LIQUID N		L	1	QT/A	3LC				
16	PROWL	3.3	EC	1	LB A/A	3LC	0	100	0	63
16	ACCENT	75	WG	.016	LB A/A	3LC				
16	EXCEED	57	DF	.035	LB A/A	3LC				
16	ACTIVATOR 90			.25	% V/V	3LC				
16	LIQUID N		L	1	QT/A	3LC				

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CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
17	PROWL	3.3	EC	1	LB A/A	3LC	0	100	73	100
17	ACCENT GOLD	75	DF	.023	LB A/A	3LC				
17	AATREX	4	F	1	LB A/A	3LC				
17	ACTIVATOR 90			.25	% V/V	3LC				
17	LIQUID N		L	1	QT/A	3LC				
18	RESOURCE	.86	EC	.027	LB A/A	MP	0	97	70	73
18	ACCENT	75	WG	.031	LB A/A	MP				
18	COC		L	1	QT/A	MP				
19	RESOURCE	.86	EC	.04	LB A/A	MP	0	100	47	80
19	ACCENT	75	WG	.031	LB A/A	MP				
19	COC		L	1	QT/A	MP				
20	RESOURCE	.86	EC	.054	LB A/A	MP	0	97	53	87
20	ACCENT	75	WG	.031	LB A/A	MP				
20	COC		L	1	QT/A	MP				
21	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	90	100
21	ACCENT	75	WG	.031	LB A/A	MP				
21	AATREX	4	F	.5	LB A/A	MP				
21	COC		L	1	QT/A	MP				
22	RESOURCE	.86	EC	.027	LB A/A	MP	0	93	90	87
22	BANVEL	4	EC	.25	LB A/A	MP				
22	ACCENT	75	WG	.031	LB A/A	MP				
22	COC		L	1	QT/A	MP				
23	RESOURCE	.86	EC	.027	LB A/A	MP	0	93	83	93
23	BANVEL	4	EC	.125	LB A/A	MP				
23	ACCENT	75	WG	.031	LB A/A	MP				
23	COC		L	1	QT/A	MP				
24	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	67	90
24	WEEDONE LV4	3.8	E	.25	LB A/A	MP				
24	ACCENT	75	WG	.031	LB A/A	MP				
24	COC		L	1	QT/A	MP				

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Weed Science Field Research

CORN POSTEMERGENCE III

Trial ID: C8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SEFTA	XANST	CHEAL
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	SEFTA	XANST	CHEAL	
25	RESOURCE	.86	EC	.027	LB A/A	MP	0	97	67	97
25	CLARITY	4	E	.25	LB A/A	MP				
25	ACCENT	75	WG	.031	LB A/A	MP				
25	COC		L	1	QT/A	MP				
26	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	87	97
26	MARKSMAN	3.2	F	.8	LB A/A	MP				
26	ACCENT	75	WG	.031	LB A/A	MP				
26	COC		L	1	QT/A	MP				
27	ACCENT	75	WG	.016	LB A/A	MP	0	97	87	73
27	EXCEED	57	DF	.018	LB A/A	MP				
27	COC		L	1	QT/A	MP				
27	LIQUID N		L	1	QT/A	MP				
28	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	0	100	80	90
28	RESOURCE	.86	EC	.018	LB A/A	MP				
28	AATREX	4	F	.5	LB A/A	MP				
28	COC		L	.5	QT/A	MP				
29	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	0	100	100	97
29	RESOURCE	.86	EC	.027	LB A/A	MP				
29	AATREX	4	F	.75	LB A/A	MP				
29	COC		L	.5	QT/A	MP				
30	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	0	100	77	93
30	RESOURCE	80	WP	.018	LB A/A	MP				
30	AATREX	4	F	.5	LB A/A	MP				
30	COC		L	.5	QT/A	MP				
31	DUAL II MAGNUM	7.6	EC	.7	LB A/A	PRE	0	100	90	100
31	RESOURCE	80	WP	.027	LB A/A	MP				
31	AATREX	4	F	.75	LB A/A	MP				
31	COC		L	.5	QT/A	MP				
LSD (P=.05)							0.0	4.1	32.6	19.6
Standard Deviation							0.0	2.5	20.0	12.0
CV							0.0	2.64	25.8	13.28

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

CORN POSTEMERGENCE III

Trial ID: C8015 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

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

Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 55 F Soil Moisture: NORMAL Emergence Date: 5-12-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-15-98	5-18-98			
Time of Day:	2:00 PM	4:00 PM	1:30 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	3LC	MP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	54 F	85 F	84 F			
% Relative Humidity:	80	66	77			
Wind Velocity, Unit:	3 MPH	2 MPH	1 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	55 F	72 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			
% Cloud Cover:	40	10	10			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		3 LF	4 LF			
		5 IN	6 IN			

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Weed Science Field Research

CORN POSTEMERGENCE IIII

Trial ID: C8015

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		1 LF	2 LF			
		1 IN	2 IN			
CHEAL		4 LF	6 LF			
		.5 IN	1 IN			
XANST		2 LF	4 LF			
		1.5 IN	3 IN			

APPLICATION EQUIPMENT

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

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE IV

Trial ID: C8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL
Crop Code	INJURY CONTROL		CONTROL CONTROL		INJURY CONTROL		CONTROL CONTROL	
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	0	100	97	100	0	100	97	100
1	FRONTIER	6	E	.78	LB A/A	PRE	0	100	97	100	0	100	97	100
1	MARKSMAN	3.2	F	1.4	LB A/A	4C								
1	LIQUID N		L	2.5	QT/A	4C								
2	FRONTIER	6	E	.78	LB A/A	PRE	0	92	93	85	0	92	85	87
2	CLARITY	4	E	.5	LB A/A	4C								
2	LIQUID N		L	2.5	QT/A	4C								
3	FRONTIER	6	E	.78	LB A/A	PRE	0	97	93	90	0	95	92	92
3	DISTINCT	70	WG	.263	LB A/A	8C								
3	ACTIVATOR 90			.25	% V/V	8C								
3	LIQUID N		L	1.25	QT/A	8C								
4	FRONTIER	6	E	.78	LB A/A	PRE	0	100	95	92	0	98	95	92
4	DISTINCT	70	WG	.263	LB A/A	8C								
4	ACCENT	75	WG	.026	LB A/A	8C								
4	ACTIVATOR 90			.25	% V/V	8C								
4	LIQUID N		L	1.25	QT/A	8C								
5	FRONTIER	6	E	.78	LB A/A	PRE	0	97	92	88	0	95	92	92
5	BEACON	75	DF	.027	LB A/A	8C								
5	CLARITY	4	E	.125	LB A/A	8C								
5	ACTIVATOR 90			.25	% V/V	8C								
5	LIQUID N		L	2.5	QT/A	8C								
6	FRONTIER	6	E	.78	LB A/A	PRE	0	98	93	88	0	93	95	92
6	EXCEED	57	DF	.036	LB A/A	8C								
6	ACTIVATOR 90			.25	% V/V	8C								
6	LIQUID N		L	2.5	QT/A	8C								
7	FRONTIER	6	E	.78	LB A/A	PRE	0	95	77	57	0	90	90	68
7	HORNET	85.6	WG	.134	LB A/A	8C								
7	ACTIVATOR 90			.25	% V/V	8C								
7	LIQUID N		L	2.5	QT/A	8C								
8	FRONTIER	6	E	.78	LB A/A	PRE	0	98	70	78	0	98	92	87
8	DISTINCT	70	WG	.175	LB A/A	16C								
8	ACTIVATOR 90			.25	% V/V	16C								
8	LIQUID N		L	1.25	QT/A	16C								

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

CORN POSTEMERGENCE IV

Trial ID: C8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL
Crop Code	INJURY PERCENT		CONTROL PERCENT		INJURY PERCENT		CONTROL PERCENT	
Part Rated	2 WEEKS P		2 WEEKS P		4 WEEKS P		4 WEEKS P	
Rating Data Type	0		0		0		0	
Rating Unit	0		0		0		0	
Rating Date	0		0		0		0	
Footnote Number	0		0		0		0	
Trt-Eval Interval	0		0		0		0	
PRM Data Type	0		0		0		0	
# Subsamples, Dec.	0		0		0		0	

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	2 WEEKS P	2 WEEKS P	2 WEEKS P	2 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P
9	FRONTIER	6	E	.78	LB A/A	PRE	2	93	65	53	2	90	78	50
9	HORNET	85.6	WG	.134	LB A/A	16C								
9	ACTIVATOR 90			.25	% V/V	16C								
9	LIQUID N		L	2.5	QT/A	16C								
10	FRONTIER	6	E	.78	LB A/A	PRE	0	98	73	63	0	97	93	92
10	BEACON	75	DF	.027	LB A/A	16C								
10	CLARITY	4	E	.125	LB A/A	16C								
10	ACTIVATOR 90			.25	% V/V	16C								
10	LIQUID N		L	2.5	QT/A	16C								
11	FRONTIER	6	E	.78	LB A/A	PRE	0	100	87	98	0	100	82	97
11	CELEBRITY													
11	NICOSULFURON	75	DF	.031	LB A/A	MP								
11	DICAMBA	70	DF	.2625	LB A/A	MP								
11	ACTIVATOR 90			.25	% V/V	MP								
11	LIQUID N		L	2.5	QT/A	MP								
12	CELEBRITY						0	100	82	95	0	97	78	95
12	NICOSULFURON	75	DF	.031	LB A/A	MP								
12	DICAMBA	70	DF	.2625	LB A/A	MP								
12	ACTIVATOR 90			.25	% V/V	MP								
12	LIQUID N		L	2.5	QT/A	MP								
13	EXCEED	57	DF	.036	LB A/A	MP	0	33	92	18	0	0	93	25
13	COC		L	1	QT/A	MP								
13	LIQUID N		L	1	QT/A	MP								
14	AXIOM	68	DF	.72	LB A/A	PRE	0	98	90	98	0	97	85	98
14	SENCOR	75	DF	.094	LB A/A	MP								
14	BANVEL	4	EC	.25	LB A/A	MP								
15	AXIOM	68	DF	.72	LB A/A	PRE	0	98	75	97	0	98	52	97
15	SENCOR	75	DF	.094	LB A/A	MP								
15	BUCTRIL	2	EC	.25	LB A/A	MP								
16	AXIOM	68	DF	.72	LB A/A	PRE	2	97	88	93	2	97	80	97
16	SENCOR	75	DF	.094	LB A/A	MP								
16	HORNET	85.6	WG	.127	LB A/A	MP								
16	ACTIVATOR 90			.25	% V/V	MP								

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

CORN POSTEMERGENCE IV

Trial ID: C8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SETFA	AMBTR	CHEAL	ZEAMX		SETFA	AMBTR	CHEAL
Crop Code	ZEAMX		SETFA	AMBTR	CHEAL	ZEAMX		SETFA	AMBTR	CHEAL
Part Rated	ZEAMX		SETFA	AMBTR	CHEAL	ZEAMX		SETFA	AMBTR	CHEAL
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	ZEAMX		SETFA	AMBTR	CHEAL	ZEAMX		SETFA	AMBTR	CHEAL
Footnote Number	ZEAMX		SETFA	AMBTR	CHEAL	ZEAMX		SETFA	AMBTR	CHEAL
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL	
17	DUAL II	7.8	EC	2	LB A/A	PRE	0	98	95	90	0	98	95	92	
17	EXCEED	57	DF	.036	LB A/A	MP									
17	COC		L	1	QT/A	MP									
18	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	93	100	0	98	93	100	
18	MARKSMAN	3.2	F	1.4	LB A/A	MP									
LSD (P=.05)							1.6	23.2	8.7	15.4	1.6	6.5	11.1	14.5	
Standard Deviation							1.0	13.9	5.2	9.3	1.0	3.9	6.7	8.7	
CV							527.2	14.82	6.06	11.23	527.2	4.32	7.64	10.12	

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

CORN POSTEMERGENCE IV

Trial ID: C8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	AMBTR
Crop Code			
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
1	FRONTIER	6	E	.78	LB A/A	PRE	0	100	97
1	MARKSMAN	3.2	F	1.4	LB A/A	4C			
1	LIQUID N		L	2.5	QT/A	4C			
2	FRONTIER	6	E	.78	LB A/A	PRE	0	92	88
2	CLARITY	4	E	.5	LB A/A	4C			
2	LIQUID N		L	2.5	QT/A	4C			
3	FRONTIER	6	E	.78	LB A/A	PRE	0	95	93
3	DISTINCT	70	WG	.263	LB A/A	8C			
3	ACTIVATOR 90			.25	% V/V	8C			
3	LIQUID N		L	1.25	QT/A	8C			
4	FRONTIER	6	E	.78	LB A/A	PRE	0	98	95
4	DISTINCT	70	WG	.263	LB A/A	8C			
4	ACCENT	75	WG	.026	LB A/A	8C			
4	ACTIVATOR 90			.25	% V/V	8C			
4	LIQUID N		L	1.25	QT/A	8C			
5	FRONTIER	6	E	.78	LB A/A	PRE	0	95	93
5	BEACON	75	DF	.027	LB A/A	8C			
5	CLARITY	4	E	.125	LB A/A	8C			
5	ACTIVATOR 90			.25	% V/V	8C			
5	LIQUID N		L	2.5	QT/A	8C			
6	FRONTIER	6	E	.78	LB A/A	PRE	0	93	95
6	EXCEED	57	DF	.036	LB A/A	8C			
6	ACTIVATOR 90			.25	% V/V	8C			
6	LIQUID N		L	2.5	QT/A	8C			
7	FRONTIER	6	E	.78	LB A/A	PRE	0	92	90
7	HORNET	85.6	WG	.134	LB A/A	8C			
7	ACTIVATOR 90			.25	% V/V	8C			
7	LIQUID N		L	2.5	QT/A	8C			
8	FRONTIER	6	E	.78	LB A/A	PRE	0	98	93
8	DISTINCT	70	WG	.175	LB A/A	16C			
8	ACTIVATOR 90			.25	% V/V	16C			
8	LIQUID N		L	1.25	QT/A	16C			

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

CORN POSTEMERGENCE IV

Trial ID: C8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	AMBTR
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
9	FRONTIER	6	E	.78	LB A/A	PRE	2	90	85
9	HORNET	85.6	WG	.134	LB A/A	16C			
9	ACTIVATOR 90			.25	% V/V	16C			
9	LIQUID N		L	2.5	QT/A	16C			
10	FRONTIER	6	E	.78	LB A/A	PRE	0	97	95
10	BEACON	75	DF	.027	LB A/A	16C			
10	CLARITY	4	E	.125	LB A/A	16C			
10	ACTIVATOR 90			.25	% V/V	16C			
10	LIQUID N		L	2.5	QT/A	16C			
11	FRONTIER	6	E	.78	LB A/A	PRE	0	100	78
11	CELEBRITY								
11	NICOSULFURON	75	DF	.031	LB A/A	MP			
11	DICAMBA	70	DF	.2625	LB A/A	MP			
11	ACTIVATOR 90			.25	% V/V	MP			
11	LIQUID N		L	2.5	QT/A	MP			
12	CELEBRITY						0	97	80
12	NICOSULFURON	75	DF	.031	LB A/A	MP			
12	DICAMBA	70	DF	.2625	LB A/A	MP			
12	ACTIVATOR 90			.25	% V/V	MP			
12	LIQUID N		L	2.5	QT/A	MP			
13	EXCEED	57	DF	.036	LB A/A	MP	0	0	93
13	COC		L	1	QT/A	MP			
13	LIQUID N		L	1	QT/A	MP			
14	AXIOM	68	DF	.72	LB A/A	PRE	0	97	87
14	SENCOR	75	DF	.094	LB A/A	MP			
14	BANVEL	4	EC	.25	LB A/A	MP			
15	AXIOM	68	DF	.72	LB A/A	PRE	0	98	58
15	SENCOR	75	DF	.094	LB A/A	MP			
15	BUCTRIL	2	EC	.25	LB A/A	MP			
16	AXIOM	68	DF	.72	LB A/A	PRE	2	97	85
16	SENCOR	75	DF	.094	LB A/A	MP			
16	HORNET	85.6	WG	.127	LB A/A	MP			
16	ACTIVATOR 90			.25	% V/V	MP			

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

CORN POSTEMERGENCE IV

Trial ID: C8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	AMBTR
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
17	DUAL II	7.8	EC	2	LB A/A	PRE	0	98	95
17	EXCEED	57	DF	.036	LB A/A	MP			
17	COC		L	1	QT/A	MP			
18	FRONTIER	6	E	1.3	LB A/A	PRE	0	98	93
18	MARKSMAN	3.2	F	1.4	LB A/A	MP			
LSD (P=.05)							1.6	6.4	12.3
Standard Deviation							1.0	3.9	7.4
CV							527.2	4.25	8.36

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

CORN POSTEMERGENCE IV

Trial ID: C8016 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA3
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.CHEAL C.LAMBSQUARTERS 2.AMBTR GIANT RAGWEED
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 55 F Soil Moisture: NORMAL Emergence Date: 5-12-98
Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-18-98	5-22-98	5-30-98		
Time of Day:	5:00 PM	2:30 PM	2:30 PM	11:00 AM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	PRE	4C	8C	16C		
Applic. Placement:	BROSOI	BROFOI	BROFOI	BROFOI		
Air Temp., Unit:	54 F	87 F	75 F	87 F		
% Relative Humidity:	80	60	92	80		
Wind Velocity, Unit:	2 MPH	2 MPH	3 MPH	3 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	55 F	65 F	66 F	71 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	60	25	60	20		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF	5 LF	7 LF		
		4 IN	8 IN	16 IN		

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

CORN POSTEMERGENCE IV

Trial ID: C8016

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
CHEAL		2 LF	8 LF	12 LF		
		.5 IN	2 IN	5 IN		
AMBTR		4 LF	6 LF	10 LF		
		3 IN	3.5 IN	12 IN		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE IT

Trial ID: C8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL		
Crop Code												
Part Rated												
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL		
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date												
Footnote Number												
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS		
PRM Data Type	P	P	P	P	P	P	P	P	P	P		
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0		

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL
1	LIGHTNING	70	DG	.056	LB A/A	MP	98	83	0	98	87	90	0	98	95	98
1	INDUCE			.25	% V/V	MP										
1	LIQUID N		L	1	QT/A	MP										
2	LIGHTNING	70	DG	.056	LB A/A	MP	100	93	2	100	98	100	0	100	100	100
2	AATREX	4	F	1	LB A/A	MP										
2	INDUCE			.25	% V/V	MP										
2	LIQUID N		L	1	QT/A	MP										
3	LIGHTNING	70	DG	.056	LB A/A	MP	98	88	0	98	93	93	0	97	100	100
3	BANVEL	4	EC	.187	LB A/A	MP										
3	INDUCE			.25	% V/V	MP										
3	LIQUID N		L	1	QT/A	MP										
4	LIGHTNING	70	DG	.056	LB A/A	MP	98	82	2	98	85	92	0	100	97	97
4	TOUGH	3.75	EC	.468	LB A/A	MP										
4	INDUCE			.25	% V/V	MP										
4	LIQUID N		L	1	QT/A	MP										
5	LIGHTNING	70	DG	.056	LB A/A	MP	100	85	0	100	87	98	0	97	95	98
5	TOUGH	3.75	EC	.94	LB A/A	MP										
5	INDUCE			.25	% V/V	MP										
5	LIQUID N		L	1	QT/A	MP										
6	LIGHTNING	70	DG	.056	LB A/A	MP	97	82	2	97	88	90	0	98	92	97
6	AIM	40	DF	.008	LB A/A	MP										
6	INDUCE			.25	% V/V	MP										
6	LIQUID N		L	1	QT/A	MP										
7	LIGHTNING	70	DG	.056	LB A/A	MP	98	93	3	98	95	100	0	100	100	100
7	AIM	40	DF	.008	LB A/A	MP										
7	AATREX	4	F	.5	LB A/A	MP										
7	INDUCE			.25	% V/V	MP										
7	LIQUID N		L	1	QT/A	MP										
8	LIGHTNING	70	DG	.056	LB A/A	MP	100	90	2	100	92	100	0	100	98	100
8	MARKSMAN	3.2	F	.8	LB A/A	MP										
8	INDUCE			.25	% V/V	MP										
8	LIQUID N		L	1	QT/A	MP										

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

CORN POSTEMERGENCE IT

Trial ID: C8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	AMBTR	CHEAL	ZEAMX	SETFA	AMBTR	CHEAL
9	LIGHTNING	70	DG	.056	LB A/A	MP	100	88	0	100	90	95	0	98	98	100
9	HORNET	85.6	WG	.128	LB A/A	MP										
9	INDUCE			.25	% V/V	MP										
9	LIQUID N		L	1	QT/A	MP										
10	BALANCE	75	WG	.07	LB A/A	PRE	100	88	2	100	93	100	0	97	98	100
10	LIGHTNING	70	DG	.056	LB A/A	MP										
10	INDUCE			.25	% V/V	MP										
10	LIQUID N		L	1	QT/A	MP										
11	BALANCE	75	WG	.15	LB A/A	PRE	100	90	3	100	93	98	0	98	100	100
11	LIGHTNING	70	DG	.056	LB A/A	MP										
11	INDUCE			.25	% V/V	MP										
11	LIQUID N		L	1	QT/A	MP										
12	BALANCE	75	WG	.125	LB A/A	PRE	100	93	2	100	97	100	0	100	98	100
12	AATREX	4	F	1.25	LB A/A	PRE										
12	LIGHTNING	70	DG	.056	LB A/A	MP										
12	INDUCE			.25	% V/V	MP										
12	LIQUID N		L	1	QT/A	MP										
LSD (P=.05)							4.0	7.1	3.4	4.0	8.0	4.5	0.0	3.8	4.9	2.7
Standard Deviation							2.3	4.2	2.0	2.3	4.7	2.7	0.0	2.2	2.9	1.6
CV							2.36	4.78	145.85	2.36	5.16	2.77	0.0	2.28	2.95	1.58

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

CORN POSTEMERGENCE IT

Trial ID: C8011 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.AMBTR GIANT RAGWEED 2.CHEAL C.LAMBSQUARTERS

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 53 F Soil Moisture: NORMAL Emergence Date: 4-12-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-18-98				
Time of Day:	4:00 PM	3:00 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	54 F	68 F				
% Relative Humidity:	62	63				
Wind Velocity, Unit:	4 MPH	2 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	54 F	72 F				
Soil Moisture:	ADEQUATE	ADEQUATE				
% Cloud Cover:	50	20				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4LF				
		6 IN				

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

CORN POSTEMERGENCE IT

Trial ID: C8011 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
AMBTR		4 LF				
		3 IN				
CHEAL		2 LF				
		1 IN				

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE IT II

Trial ID: C8012
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SEFTA	AMBTR	CHEAL	ZEAMX	SEFTA	AMBTR	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SEFTA	AMBTR	CHEAL	ZEAMX	SEFTA	AMBTR	CHEAL
1	LIGHTNING	70	DG	.056	LB A/A	MP	99	93	3	99	93	96	0	98	88	93
1	INDUCE			.25	% V/V	MP										
1	LIQUID N		L	1	QT/A	MP										
2	LIGHTNING	70	DG	.056	LB A/A	MP	99	98	0	99	95	96	0	98	93	95
2	BANVEL	4	EC	.187	LB A/A	MP										
2	INDUCE			.25	% V/V	MP										
2	LIQUID N		L	1	QT/A	MP										
3	LIGHTNING	70	DG	.056	LB A/A	MP	99	99	0	99	99	99	0	99	99	99
3	AATREX	4	F	1	LB A/A	MP										
3	INDUCE			.25	% V/V	MP										
3	LIQUID N		L	1	QT/A	MP										
4	BICEP II	5.9	F	3.6	LB A/A	PRE	99	99	0	99	99	99	0	99	98	98
5	DUAL II	7.8	EC	2	LB A/A	PRE	99	99	3	99	99	99	0	99	99	99
5	MARKSMAN	3.2	F	1.2	LB A/A	MP										
6	BASIS GOLD	89.5	DF	.785	LB A/A	MP	99	93	7	99	98	98	3	99	96	96
6	COC		L	1	QT/A	MP										
6	LIQUID N		L	2	QT/A	MP										
7	AATREX	4	F	1	LB A/A	PRE	98	96	0	99	96	98	0	95	95	95
7	LIGHTNING	70	DG	.056	LB A/A	LP										
7	INDUCE			.25	% V/V	LP										
7	LIQUID N		L	1	QT/A	LP										
8	AATREX	4	F	1	LB A/A	PRE	99	95	3	99	95	98	3	99	92	98
8	LIGHTNING	70	DG	.056	LB A/A	LP										
8	AATREX	4	F	.5	LB A/A	LP										
8	INDUCE			.25	% V/V	LP										
8	LIQUID N		L	1	QT/A	LP										
9	AATREX	4	F	1	LB A/A	PRE	98	95	0	99	95	96	0	99	92	93
9	PROWL	3.3	EC	1	LB A/A	PRE										
9	LIGHTNING	70	DG	.056	LB A/A	LP										
9	INDUCE			.25	% V/V	LP										
9	LIQUID N		L	1	QT/A	LP										

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

CORN POSTEMERGENCE IT II

Trial ID: C8012
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SEFTA	AMBTR	CHEAL	ZEAMX	SEFTA	AMBTR	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SEFTA	AMBTR	CHEAL	ZEAMX	SEFTA	AMBTR	CHEAL
10	BALANCE	75	WG	.07	LB A/A	PRE	98	93	0	99	95	95	0	99	88	93
10	LIGHTNING	70	DG	.056	LB A/A	LP										
10	INDUCE			.25	% V/V	LP										
10	LIQUID N		L	1	QT/A	LP										
11	ACCENT	75	WG	.016	LB A/A	LP	99	73	0	99	90	53	0	99	83	57
11	EXCEED	57	DF	.035	LB A/A	LP										
11	INDUCE			.35	% V/V	LP										
11	LIQUID N		L	1	QT/A	LP										
12	WEEDY CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							2.0	5.7	7.2	0.0	3.8	4.0	4.1	2.8	6.1	7.1
Standard Deviation							1.2	3.4	4.2	0.0	2.2	2.4	2.4	1.7	3.6	4.2
CV							1.33	3.89	304.87	0.0	2.56	2.76	433.8	1.84	4.21	4.96

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

CORN POSTEMERGENCE IT II

Trial ID: C8012 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.AMBTR GIANT RAGWEED 2.CHEAL C.LAMBSQUARTERS
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 in
Row Spacing: 30 in Seed Bed: MEDIUM
Soil Temperature: 54 F Soil Moisture: NORMAL Emergence Date: 5-12-98
Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-20-98	6-1-98			
Time of Day:	2:00 PM	3:00 PM	4:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	54 F	73 F	72 F			
% Relative Humidity:	82	85	80			
Wind Velocity, Unit:	4 MPH	2 MPH	3 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	57 F	78 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			
% Cloud Cover:	50	40	70			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF	7 LF			
		6 IN	18 IN			

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

CORN POSTEMERGENCE IT II

Trial ID: C8012

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
AMBTR		4 LF	6 LF			
		3 IN	4 IN			
CHEAL		2 LF	14 LF			
		1 IN	10 IN			

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C8020
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	XANST	CHEAL	ZEAMX	SETFA	XANST	CHEAL		
Crop Code												
Part Rated												
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL		
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date												
Footnote Number												
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS		
PRM Data Type	P	P	P	P	P	P	P	P	P	P		
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0		

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	XANST	CHEAL	ZEAMX	SETFA	XANST	CHEAL
1	LIBERTY	1.67	E	.27	LB A/A	MP	93	87	0	93	87	98	0	95	87	98
1	AATREX	4	F	.75	LB A/A	MP										
1	AMS	100	SG	3	LB A/A	MP										
2	LIBERTY	1.67	E	.27	LB A/A	MP	90	90	0	93	95	88	0	95	95	95
2	AMS	100	SG	3	LB A/A	MP										
2	LIBERTY	1.67	E	.27	LB A/A	IFN										
2	AMS	100	SG	3	LB A/A	IFN										
3	AATREX	4	F	1.5	LB A/A	PRE	93	53	0	93	53	82	0	93	68	88
3	LIBERTY	1.67	E	.27	LB A/A	MP										
3	AMS	100	SG	3	LB A/A	MP										
4	AATREX	4	F	1.5	LB A/A	MP	93	92	2	93	92	97	0	97	93	98
4	LIBERTY	1.67	E	.27	LB A/A	MP										
4	AMS	100	SG	3	LB A/A	MP										
5	DUAL II MAGNUM	7.6	EC	.92	LB A/A	PRE	95	78	0	95	78	97	0	98	77	97
5	LIBERTY	1.67	E	.27	LB A/A	MP										
5	AATREX	4	F	.75	LB A/A	MP										
5	AMS	100	SG	3	LB A/A	MP										
6	ACCENT	75	WG	.031	LB A/A	MP	88	73	0	88	73	93	0	93	67	93
6	BUCTRIL/ATRA	3	F	.75	LB A/A	MP										
6	ACTIVATOR 90			.25	% V/V	MP										
6	LIQUID N		L	1	QT/A	MP										
7	ACCENT	75	WG	.016	LB A/A	MP	65	73	0	83	90	82	0	92	95	90
7	EXCEED	57	DF	.018	LB A/A	MP										
7	COC		L	1	QT/A	MP										
7	LIQUID N		L	1	QT/A	MP										
8	LIBERTY/ATRA	4.3	SC	1.34	LB A/A	MP	90	92	0	90	90	97	0	95	92	97
8	AMS	100	SG	3	LB A/A	MP										
9	BALANCE	75	WG	.125	LB A/A	PRE	93	88	0	93	88	97	0	97	92	97
9	AATREX	4	F	1.5	LB A/A	PRE										
9	LIBERTY	1.67	E	.27	LB A/A	MP										
9	AMS	100	SG	2	LB A/A	MP										

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C8020
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	XANST	CHEAL	ZEAMX	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	XANST	CHEAL	ZEAMX	SETFA	XANST	CHEAL
10	BICEP II	5.9	F	1.93	LB A/A	PRE	95	45	0	95	45	93	0	95	58	95
10	LIBERTY	1.67	E	.27	LB A/A	MP										
10	AMS	100	SG	2	LB A/A	MP										
11	BICEP II	5.9	F	3.6	LB A/A	PRE	97	68	2	97	70	98	0	98	72	98
12	CHECK						0	0	0	0	0	0	0	0	0	0
	LSD (P=.05)						15.1	18.3	1.9	5.2	18.6	9.9	0.0	3.5	17.9	6.2
	Standard Deviation						8.9	10.8	1.1	3.0	11.0	5.8	0.0	2.1	10.6	3.7
	CV						10.8	15.44	404.52	3.6	15.26	6.83	0.0	2.37	14.15	4.22

CORN POSTEMERGENCE LIBERTY

Trial ID: C8020 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

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

Trial Status: COMPLETE Initiation Date: 4-28-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: NOR.KING N7639Bt Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 54 F Soil Moisture: NORMAL Emergence Date: 5-12-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-18-98				
Time of Day:	6:00 PM	1:30 pm				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	54 F	84 F				
% Relative Humidity:	75	80				
Wind Velocity, Unit:	4 MPH	1 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	55 F	65 F				
Soil Moisture:	ADEQUATE	ADEQUATE				
% Cloud Cover:	50	10				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF				
		6 IN				

CORN POSTEMERGENCE LIBERTY

Trial ID: C8020

Investigator:

Location: LEXINGTON, KY

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF				
		2 IN				
CHEAL		6 LF				
		1 IN				
XANST		4 LF				
		3 IN				

APPLICATION EQUIPMENT

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

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C8030 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	AMBTR	CHEAL	ZEAMX	AMBTR	CHEAL
Crop Code						
Part Rated						
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
1	ROUNDUP ULTRA	4	AS	1	LB A/A	2"W	0	80	85	0	40	70
2	ROUNDUP ULTRA	4	AS	1	LB A/A	4"W	0	95	94	0	90	90
3	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	98	98	0	97	96
4	ROUNDUP ULTRA	4	AS	1	LB A/A	9"W	0	99	99	0	98	97
5	ROUNDUP ULTRA	4	AS	1	LB A/A	12"W	0	98	91	0	96	84
6	ROUNDUP ULTRA	4	AS	1	LB A/A	2"W	0	99	99	0	97	96
6	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W						
7	ROUNDUP ULTRA	4	AS	1	LB A/A	4"W	0	99	99	0	98	98
7	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W						
8	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	98	98	0	96	96
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W						
9	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	99	99	0	98	98
9	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W						
10	CHECK						0	0	0	0	0	0
LSD (P=.05)							0.0	2.3	2.7	0.0	6.7	4.3
Standard Deviation							0.0	1.6	1.8	0.0	4.6	3.0
CV							0.0	1.84	2.12	0.0	5.74	3.61

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C8030 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40546
Affiliation: University of Kentucky
Trial Status: Complete Initiation Date: 4-28-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.AMBTR GIANT RAGWEED 2.CHEAL C.LAMBSQUARTERS 3.XANST C. COCKLEBUR
Crop 1: ZEAMX FIELD CORN Variety: DEKALB 591 RR Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 55 F Soil Moisture: NORMAL Emergence Date: 5-12-98
Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-15-98	5-26-98	5-27-98	5-29-98	6-1-98
Time of Day:	5:00 PM	1:30 PM	4:30 PM	1:30 PM	1:30 PM	4:00 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	2W	4W	6W	9W	12W
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	54 F	74 F	66 F	71 F	73 F	72 F
% Relative Humidity:	66	70	90	85	80	88
Wind Velocity, Unit:	3 MPH	2 MPH	4 MPH	2 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N	N	N
Soil Temp., Unit:	55 F	67 F	67 F	67 F	68 F	71 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		3 LF	5 LF	5 LF	5 LF	6 LF
		6 IN	10 IN	11 IN	12 IN	14 IN

CORN POSTEMERGENCE ROUNDUP

Trial ID: C8030 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
AMBTR		4 LF	8 LF	10 LF	10 LF	
		2 IN	4 IN	6 IN	9 IN	
CHEAL		4 LF	8 LF	10 LF	12 LF	
		1 IN	2 IN	5 IN	8 IN	
XANST		2 LF	6 LF	6 LF	6 LF	
		2 IN	3.5 IN	4 IN	8 IN	

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	30	30	30	30	30	30
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	8004	8004	8004	8004	8004	8004
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT	10 FT	10 FT
Boom Height, Unit:	19 IN	19 IN	19 IN	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2	CO2	CO2	CO2

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE ROUNDUP II

Trial ID: C8030-2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	POLPY	AMBEL	CHEAL	ZEAMX	SETFA	POLPY	AMBEL	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SETFA	POLPY	AMBEL	CHEAL	ZEAMX	SETFA	POLPY	AMBEL	CHEAL
1	ROUNDUP ULTRA	4	AS	1	LB A/A	2"W	0	69	81	91	94	0	69	81	90	94
2	ROUNDUP ULTRA	4	AS	1	LB A/A	4"W	0	93	95	99	95	0	93	95	99	95
3	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	99	99	99	98	0	98	99	99	98
4	ROUNDUP ULTRA	4	AS	1	LB A/A	9"W	3	99	95	100	99	3	99	95	100	99
5	ROUNDUP ULTRA	4	AS	1	LB A/A	12"W	10	86	81	99	80	10	85	84	99	81
6	ROUNDUP ULTRA	4	AS	1	LB A/A	2"W	0	98	95	100	99	0	99	95	100	100
6	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W										
7	ROUNDUP ULTRA	4	AS	1	LB A/A	4"W	0	96	95	95	98	0	98	96	98	99
7	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W										
8	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	94	93	100	96	0	94	95	100	98
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W										
9	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	94	99	100	100	0	96	99	100	100
9	ROUNDUP ULTRA	4	AS	.5	LB A/A	+2"W										
10	CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							2.3	8.4	13.8	4.5	7.0	2.3	7.6	11.9	4.6	5.2
Standard Deviation							1.6	5.8	9.5	3.1	4.8	1.6	5.2	8.2	3.2	3.6
CV							126.49	6.99	11.44	3.53	5.64	126.49	6.28	9.77	3.57	4.19

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

CORN POSTEMERGENCE ROUNDUP II

Trial ID: C8030-2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40546
Affiliation: University of Kentucky
Trial Status: Complete Initiation Date: 5-4-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. ABUTH VELVETLEAF
Crop 1: ZEAMX FIELD CORN Variety: DEKALB 591 RR Planting Date: 5-4-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
 Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 57 F Soil Moisture: NORMAL Emergence Date: 5-16-98
Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-4-98	5-20-98	5-26-98	5-29-98	6-1-98	6-4-98
Time of Day:	2:00 PM	3:00 PM	4:30 PM	3:00 PM	10:30 AM	2:00 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	2W	4W	6W	9W	12W
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	73 F	66 F	74 F	74 F	60 F
% Relative Humidity:	77	80	90	85	80	96
Wind Velocity, Unit:	2 MPH	3 MPH	2 MPH	4 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N	N	N	N
Soil Temp., Unit:	68 F	68 F	67 F	70 F	71 F	72 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF	5 LF	5 LF	6 LF	6 LF
		4 IN	7 IN	11 IN	13 IN	16 IN

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

CORN POSTEMERGENCE ROUNDUP II

Trial ID: C8030-2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		2 LF	3 LF	4 LF	4 LF	5 LF
		2 IN	4 IN	6 IN	9 IN	12 IN
ABUTH		4 LF	4 LF	10 LF	14 LF	16 LF
		2 IN	4 IN	6.5 IN	8 IN	11 IN

APPLICATION EQUIPMENT

	A		B		C		D		E		F	
Appl. Equipment:	4	WHEELER	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	30		30	30	30	30	30	30	30	30	30	30
Nozzle Type:	FLAT	FAN	FLAT	FAN	FLAT	FAN	FLAT	FAN	FLAT	FAN	FLAT	FAN
Nozzle Size:	8004		8004	8004	8004	8004	8004	8004	8004	8004	8004	8004
Nozzle Spacing, Unit:	20	IN	20	IN	20	IN	20	IN	20	IN	20	IN
Boom Length, Unit:	10	FT	10	FT	10	FT	10	FT	10	FT	10	FT
Boom Height, Unit:	19	IN	19	IN	19	IN	19	IN	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH	4	MPH	4	MPH	4	MPH	4	MPH
Carrier:	WATER		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24	GPA	24	GPA	24	GPA	24	GPA	24	GPA	24	GPA
Propellant:	CO2		CO2	CO2	CO2	CO2	CO2	CO2	CO2	CO2	CO2	CO2

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE ROUNDUP III

Trial ID: C8033 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code		ZEAMX	SETFA	AMBTR	CHEAL	XANST	ZEAMX	SETFA	AMBTR	CHEAL	XANST
Crop Code											
Part Rated											
Rating Data Type		INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date											
Footnote Number											
Trt-Eval Interval		2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type		P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.		0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	HARNNESS XTRA	5.6	EC	3.22	LB A/A	PRE	0	100	95	100	91	0	100	95	100	94
1	ROUNDUP ULTRA	4	AS	.375	LB A/A	MP										
2	ROUNDUP ULTRA	4	AS	.375	LB A/A	MP	0	100	94	76	93	0	98	94	88	94
2	ROUNDUP ULTRA	4	AS	.375	LB A/A	LP										
3	HARNNESS XTRA	5.6	EC	.81	LB A/A	PRE	0	100	100	100	98	0	100	100	100	98
3	ACCENT GOLD	75	DF	.023	LB A/A	MP										
3	HORNET	85.6	WG	.128	LB A/A	MP										
3	AATREX	4	F	.9	LB A/A	MP										
3	COC		L	1	QT/A	MP										
3	AMS	100	SG	2	LB A/A	MP										
4	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	91	99	99	98	0	85	98	99	98
4	HORNET	85.6	WG	.128	LB A/A	MP										
4	AATREX	4	F	.9	LB A/A	MP										
4	COC		L	1	QT/A	MP										
4	AMS	100	SG	2	LB A/A	MP										
5	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	93	94	88	95	0	86	93	89	95
5	HORNET	85.6	WG	.128	LB A/A	MP										
5	CLARITY	4	E	.063	LB A/A	MP										
5	COC		L	1	QT/A	MP										
5	AMS	100	SG	2	LB A/A	MP										
6	BALANCE	75	WG	.125	LB A/A	PRE	0	100	98	99	94	0	100	98	99	96
6	AATREX	4	F	1.5	LB A/A	PRE										
6	ROUNDUP ULTRA	4	AS	1	LB A/A	MP										
7	AXIOM	68	DF	.72	LB A/A	PRE	0	100	75	95	73	0	100	69	95	79
7	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
8	AXIOM	68	DF	.72	LB A/A	PRE	0	100	68	90	58	0	99	68	90	69
8	ROUNDUP ULTRA	4	AS	1	LB A/A	MP										
LSD (P=.05)							0.0	3.6	12.1	5.6	27.8	0.0	11.5	9.5	5.1	21.7
Standard Deviation							0.0	2.4	8.2	3.8	18.9	0.0	7.8	6.5	3.4	14.7
CV							0.0	2.47	9.13	4.08	21.71	0.0	8.15	7.26	3.62	16.34

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

CORN POSTEMERGENCE ROUNDUP III

Trial ID: C8033 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	AMBTR	CHEAL	XANST
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	HARNESS XTRA	5.6	EC	3.22	LB A/A	PRE	0	100	96	100	94
1	ROUNDUP ULTRA	4	AS	.375	LB A/A	MP					
2	ROUNDUP ULTRA	4	AS	.375	LB A/A	MP	0	98	94	90	94
2	ROUNDUP ULTRA	4	AS	.375	LB A/A	LP					
3	HARNESS XTRA	5.6	EC	.81	LB A/A	PRE	0	100	100	100	98
3	ACCENT GOLD	75	DF	.023	LB A/A	MP					
3	HORNET	85.6	WG	.128	LB A/A	MP					
3	AATREX	4	F	.9	LB A/A	MP					
3	COC		L	1	QT/A	MP					
3	AMS	100	SG	2	LB A/A	MP					
4	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	86	98	99	98
4	HORNET	85.6	WG	.128	LB A/A	MP					
4	AATREX	4	F	.9	LB A/A	MP					
4	COC		L	1	QT/A	MP					
4	AMS	100	SG	2	LB A/A	MP					
5	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	86	93	89	95
5	HORNET	85.6	WG	.128	LB A/A	MP					
5	CLARITY	4	E	.063	LB A/A	MP					
5	COC		L	1	QT/A	MP					
5	AMS	100	SG	2	LB A/A	MP					
6	BALANCE	75	WG	.125	LB A/A	PRE	0	100	98	99	96
6	AATREX	4	F	1.5	LB A/A	PRE					
6	ROUNDUP ULTRA	4	AS	1	LB A/A	MP					
7	AXIOM	68	DF	.72	LB A/A	PRE	0	100	69	95	86
7	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP					
8	AXIOM	68	DF	.72	LB A/A	PRE	0	99	71	90	69
8	ROUNDUP ULTRA	4	AS	1	LB A/A	MP					
LSD (P=.05)							0.0	11.8	10.6	4.7	19.5
Standard Deviation							0.0	8.0	7.2	3.2	13.3
CV							0.0	8.36	8.04	3.32	14.57

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

CORN POSTEMERGENCE ROUNDUP III

Trial ID: C8033 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40546

Trial Status: Complete Initiation Date: 4-28-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBTR GIANT RAGWEED 3.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: DEKALB 591 RR Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 54 F Soil Moisture: NORMAL Emergence Date: 5-12-98

Plot Width, Unit: 5 FT Plot Length, Unit: 33 FT Reps: 4

Site Type: FIELD

Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-18-98	6-3-98			
Time of Day:	4:00 PM	3:30 PM	2:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	54 F	68 F	68 F			
% Relative Humidity:	77	70	80			
Wind Velocity, Unit:	3 MPH	3 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	55 F	67 F	68 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			
% Cloud Cover:	70	10	30			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF 5 IN	6 LF 15 IN			

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

CORN POSTEMERGENCE ROUNDUP III

Trial ID: C8033 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF	4 LF			
		1.5 IN	6 IN			
AMBTR		4 LF	8 LF			
		4 IN	8 IN			
XANST		4 LF	8 LF			
		3 IN	6 IN			

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE SR

Trial ID: C8025
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	BBBBB	ZEAMX	SETFA	ABUTH	BBBBB	ZEAMX	SETFA	ABUTH
Crop Code	Z EAMX		SETFA	ABUTH	Z EAMX		SETFA	ABUTH
Part Rated	Z EAMX		SETFA	ABUTH	Z EAMX		SETFA	ABUTH
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Z EAMX		SETFA	ABUTH	Z EAMX		SETFA	ABUTH
Footnote Number	Z EAMX		SETFA	ABUTH	Z EAMX		SETFA	ABUTH
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	BBBBB	ZEAMX	SETFA	ABUTH	BBBBB	ZEAMX	SETFA	ABUTH
1	AATREX	4	F	1.5	LB A/A	PRE	90	0	87	92	85	0	72	88
2	AATREX	4	F	1.5	LB A/A	PRE	87	0	92	87	73	0	88	83
2	POAST PLUS	1	E	.19	LB A/A	MP								
2	COC		L	1.25	QT/A	MP								
3	FRONTIER	6	E	.94	LB A/A	PRE	0	0	95	0	0	0	95	0
3	POAST PLUS	1	E	.19	LB A/A	MP								
3	COC		L	1.25	QT/A	MP								
4	GUARDSMAN	5	E	2.8	LB A/A	PRE	87	0	92	87	83	0	92	87
4	POAST PLUS	1	E	.19	LB A/A	MP								
4	COC		L	1.25	QT/A	MP								
5	FRONTIER	6	E	.94	LB A/A	PRE	93	0	92	93	92	0	87	92
5	MARKSMAN	3.2	F	1.5	LB A/A	MP								
5	ACTIVATOR 90			.25	% V/V	MP								
6	FRONTIER	6	E	.94	LB A/A	PRE	87	0	95	88	83	0	93	85
6	POAST PLUS	1	E	.19	LB A/A	MP								
6	CLARITY	4	E	.25	LB A/A	MP								
6	ACTIVATOR 90			.25	% V/V	MP								
7	MARKSMAN	3.2	F	1.5	LB A/A	PRE	90	0	93	92	80	0	92	78
7	FRONTIER	6	E	.94	LB A/A	MP								
7	POAST PLUS	1	E	.19	LB A/A	MP								
7	COC		L	1.25	QT/A	MP								
8	FRONTIER	6	E	.94	LB A/A	PRE	92	0	93	92	87	0	92	88
8	DISTINCT	70	WG	.263	LB A/A	MP								
8	ACTIVATOR 90			.25	% V/V	MP								
9	BALANCE	75	WG	.094	LB A/A	PRE	93	0	93	93	93	0	92	93
9	MARKSMAN	3.2	F	1.5	LB A/A	MP								
9	ACTIVATOR 90			.25	% V/V	MP								
10	BALANCE	75	WG	.094	LB A/A	PRE	90	0	90	90	88	0	85	87
10	DISTINCT	70	WG	.263	LB A/A	MP								
10	ACTIVATOR 90			.25	% V/V	MP								

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

CORN POSTEMERGENCE SR

Trial ID: C8025
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	BBBBB		SETFA	ABUTH	BBBBB		SETFA	ABUTH
Crop Code		ZEAMX				ZEAMX		
Part Rated								
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg								
LSD (P=.05)							8.0	0.0	4.9	6.5	7.4	0.0	11.1	6.7
Standard Deviation							4.6	0.0	2.8	3.8	4.3	0.0	6.5	3.9
CV							5.75	0.0	3.08	4.69	5.65	0.0	7.29	5.02

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

CORN POSTEMERGENCE SR

Trial ID: C8025
Location: LEXINGTON, KY.Investigator:
Study Dir.: Charles H. Slack

Weed Code	XANST	ZEAMX	SETFA	ABUTH
Crop Code				
Part Rated				
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	XANST	ZEAMX	SETFA	ABUTH
1	AATREX	4	F	1.5	LB A/A	PRE	88	0	78	90
2	AATREX	4	F	1.5	LB A/A	PRE	83	0	92	83
2	POAST PLUS	1	E	.19	LB A/A	MP				
2	COC	L		1.25	QT/A	MP				
3	FRONTIER	6	E	.94	LB A/A	PRE	0	0	95	0
3	POAST PLUS	1	E	.19	LB A/A	MP				
3	COC	L		1.25	QT/A	MP				
4	GUARDSMAN	5	E	2.8	LB A/A	PRE	85	0	93	88
4	POAST PLUS	1	E	.19	LB A/A	MP				
4	COC	L		1.25	QT/A	MP				
5	FRONTIER	6	E	.94	LB A/A	PRE	92	0	88	92
5	MARKSMAN	3.2	F	1.5	LB A/A	MP				
5	ACTIVATOR 90			.25	% V/V	MP				
6	FRONTIER	6	E	.94	LB A/A	PRE	85	0	93	85
6	POAST PLUS	1	E	.19	LB A/A	MP				
6	CLARITY	4	E	.25	LB A/A	MP				
6	ACTIVATOR 90			.25	% V/V	MP				
7	MARKSMAN	3.2	F	1.5	LB A/A	PRE	80	0	92	82
7	FRONTIER	6	E	.94	LB A/A	MP				
7	POAST PLUS	1	E	.19	LB A/A	MP				
7	COC	L		1.25	QT/A	MP				
8	FRONTIER	6	E	.94	LB A/A	PRE	88	0	93	90
8	DISTINCT	70	WG	.263	LB A/A	MP				
8	ACTIVATOR 90			.25	% V/V	MP				
9	BALANCE	75	WG	.094	LB A/A	PRE	93	0	95	93
9	MARKSMAN	3.2	F	1.5	LB A/A	MP				
9	ACTIVATOR 90			.25	% V/V	MP				
10	BALANCE	75	WG	.094	LB A/A	PRE	88	0	87	90
10	DISTINCT	70	WG	.263	LB A/A	MP				
10	ACTIVATOR 90			.25	% V/V	MP				

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

CORN POSTEMERGENCE SR

Trial ID: C8025

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	XANST		SETFA	ABUTH
Crop Code		ZEAMX		
Part Rated				
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Rate Unit	Grow Stg
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LSD (P=.05)		8.6	0.0	10.7		6.8
Standard Deviation		5.0	0.0	6.3		4.0
CV		6.37	0.0	6.91		5.03

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

CORN POSTEMERGENCE SR

Trial ID: C8025

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF				
		2 IN				
ABUTH		6 LF				
		4 IN				
IPOHE		4 LF				
		2 IN				
XANST		6 LF				
		3 IN				

APPLICATION EQUIPMENT

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

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE ROUNDUP VS LIBERTY

Trial ID: C8031 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	AMBTR	CHEAL	ZEAMX	SETFA	XANST	AMBTR	CHEAL
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0	0
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg											
1	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	100	73	95	90	0	98	70	85	91	
1	ROUNDUP READY																
2	HARNESX	7	EC	2	LB A/A	PRE	0	100	95	98	100	0	100	95	98	100	
2	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W											
2	ROUNDUP READY																
3	ATRAZINE	4	F	1	LB A/A	PRE	0	100	99	100	100	0	100	98	100	100	
3	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W											
3	ROUNDUP READY																
4	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	0	100	78	90	75	0	95	75	88	70	
4	HARNESX	7	EC	1.75	LB A/A	3"W											
4	ROUNDUP READY																
5	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	0	98	90	98	75	0	98	85	90	70	
5	HARNESX	7	EC	1	LB A/A	3"W											
5	PERMIT	75	DF	.031	LB A/A	3"W											
5	ROUNDUP READY																
6	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	0	83	70	80	68	0	80	68	70	63	
6	ATRAZINE	4	F	1	LB A/A	3"W											
6	ROUNDUP READY																
7	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	0	78	60	73	53	0	75	58	70	53	
7	ROUNDUP READY																
8	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	100	96	100	100	0	100	96	100	100	
8	LIBERTY	1.67	E	.26	LB A/A	3"W											
8	LIBERTY LINK																
9	HARNESX	7	EC	2	LB A/A	PRE	0	100	96	95	100	0	100	96	95	100	
9	LIBERTY	1.67	E	.26	LB A/A	3"W											
9	LIBERTY LINK																
10	ATRAZINE	4	F	1	LB A/A	PRE	0	94	96	100	99	0	94	96	100	99	
10	LIBERTY	1.67	E	.26	LB A/A	3"W											
10	LIBERTY LINK																

CORN POSTEMERGENCE ROUNDUP VS LIBERTY

Trial ID: C8031 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	XANST	AMBTR	CHEAL	ZEAMX	SETFA	XANST	AMBTR	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg										
11	HARNES	7	EC	1.75	LB A/A	3"W	0	75	93	95	60	0	75	88	90	55
11	LIBERTY	1.67	E	.26	LB A/A	3"W										
11	LIBERTY LINK															
12	HARNES	7	EC	1.75	LB A/A	3"W	0	83	95	93	68	0	80	95	93	63
12	LIBERTY	1.67	E	.26	LB A/A	3"W										
12	PERMIT	75	DF	.031	LB A/A	3"W										
12	LIBERTY LINK															
13	ATRAZINE	4	F	1	LB A/A	3"W	0	65	90	100	95	0	63	88	100	95
13	LIBERTY	1.67	E	.26	LB A/A	3"W										
13	LIBERTY LINK															
14	LIBERTY	1.67	E	.26	LB A/A	3"W	0	70	70	90	33	0	68	70	90	35
14	LIBERTY LINK															
LSD (P=.05)							0.0	8.9	9.4	8.2	9.3	0.0	9.0	9.1	9.6	11.4
Standard Deviation							0.0	6.2	6.6	5.7	6.5	0.0	6.3	6.4	6.7	8.0
CV							0.0	7.0	7.7	6.15	8.14	0.0	7.18	7.58	7.45	10.2

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

CORN POSTEMERGENCE ROUNDUP VS LIBERTY

Trial ID: C8031 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40546
Affiliation: University of Kentucky

Trial Status: Complete Initiation Date: 4-28-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. AMBTR GIANT RAGWEED 3. CHEAL C. LAMBSQUARTERS
4. XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: DEKALB 566 RR Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 54 F Soil Moisture: NORMAL Emergence Date: 5-12-98

Crop 2: ZEAMX FIELD CORN Variety: DEKALB 566 LL Planting Date: 4-28-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 54 F Soil Moisture: NORMAL Emergence Date: 5-12-98

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

Site Type: FIELD

Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-28-98	5-22-98				
Time of Day:	5:00 PM	2:15 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	3W				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	54 F	65 F				
% Relative Humidity:	80	92				
Wind Velocity, Unit:	3 MPH	4 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	55 F	67 F				
Soil Moisture:	ADEQUATE	ADEQUATE				

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

CORN POSTEMERGENCE ROUNDUP VS LIBERTY

Trial ID: C8031 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		5 LF				
		8 IN				
ZEAMX		5 LF				
		8 IN				

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		2 LF				
		1 IN				
AMBTR		4 LF				
		3 IN				
CHEAL		5 LF				
		1 IN				
XANST		4 LF				
		3 IN				

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK				
Operating Pressure:	30	30				
Nozzle Type:	FLAT FAN	FLAT FAN				
Nozzle Size:	8004	8004				
Nozzle Spacing, Unit:	20 IN	20 IN				
Boom Length, Unit:	10 FT	10 FT				
Boom Height, Unit:	19 IN	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Spray Volume, Unit:	24 GPA	24 GPA				
Propellant:	CO2					

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE IT JOHNSONGRASS

Trial ID: C8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Part Rated	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Rating Data Type	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Rating Unit	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Rating Date	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Footnote Number	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
Trt-Eval Interval	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
PRM Data Type	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
# Subsamples, Dec.	ZEAMX		SORHA		ZEAMX		SORHA		ZEAMX		SORHA	
	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 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

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
1	PROWL	3.3	EC	.75	LB A/A	PRE	0	93	0	100	0	100
1	LIGHTNING	70	DG	.056	LB A/A	8J						
1	ACTIVATOR 90			.25	% V/V	8J						
1	LIQUID N		L	1	QT/A	8J						
2	PROWL	3.3	EC	.75	LB A/A	SPK	0	83	3	92	3	93
2	LIGHTNING	70	DG	.056	LB A/A	8J						
2	ACTIVATOR 90			.25	% V/V	8J						
2	LIQUID N		L	1	QT/A	8J						
3	PROWL	3.3	EC	.75	LB A/A	PRE	0	80	3	95	3	95
3	LIGHTNING	70	DG	.056	LB A/A	12J						
3	ACTIVATOR 90			.25	% V/V	12J						
3	LIQUID N		L	1	QT/A	12J						
4	PROWL	3.3	EC	.75	LB A/A	SPK	0	73	3	95	3	97
4	LIGHTNING	70	DG	.056	LB A/A	12J						
4	ACTIVATOR 90			.25	% V/V	12J						
4	LIQUID N		L	1	QT/A	12J						
5	LIGHTNING	70	DG	.056	LB A/A	8J	0	83	3	97	3	97
5	ACTIVATOR 90			.25	% V/V	8J						
5	LIQUID N		L	1	QT/A	8J						
6	LIGHTNING	70	DG	.056	LB A/A	12J	0	72	0	95	0	100
6	ACTIVATOR 90			.25	% V/V	12J						
6	LIQUID N		L	1	QT/A	12J						
7	LIGHTNING	70	DG	.056	LB A/A	8J	0	95	0	97	0	100
7	SUNIT		L	.75	QT/A	8J						
7	LIQUID N		L	1	QT/A	8J						
8	LIGHTNING	70	DG	.056	LB A/A	12J	0	82	7	93	7	95
8	SUNIT		L	.75	QT/A	12J						
8	LIQUID N		L	1	QT/A	12J						
9	EXCEED	57	DF	.018	LB A/A	8J	0	90	7	97	7	97
9	ACCENT	75	WG	.016	LB A/A	8J						
9	COC		L	1	QT/A	8J						
9	LIQUID N		L	1	QT/A	8J						

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

CORN POSTEMERGENCE IT JOHNSONGRASS

Trial ID: C8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		ZEAMX		ZEAMX		SORHA	
Part Rated	ZEAMX		ZEAMX		ZEAMX		SORHA	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Footnote Number	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Trt-Eval Interval	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
10	EXCEED	57	DF	.018	LB A/A	12J	0	72	3	97	3	97
10	ACCENT	75	WG	.016	LB A/A	12J						
10	COC		L	1	QT/A	12J						
10	LIQUID N		L	1	QT/A	12J						
11	AATREX	4	F	1.5	LB A/A	PRE	0	95	0	98	0	98
11	EXCEED	57	DF	.036	LB A/A	8J						
11	COC		L	1	QT/A	8J						
11	LIQUID N		L	1	QT/A	8J						
12	AATREX	4	F	1.5	LB A/A	PRE	0	80	0	97	0	98
12	EXCEED	57	DF	.036	LB A/A	12J						
12	COC		L	1	QT/A	12J						
12	LIQUID N		L	1	QT/A	12J						
13	AATREX	4	F	1.5	LB A/A	PRE	0	83	0	100	0	100
13	ACCENT	75	WG	.016	LB A/A	12J						
13	BEACON	75	DF	.018	LB A/A	12J						
13	COC		L	1	QT/A	12J						
13	LIQUID N		L	1	QT/A	12J						
14	CHECK						0	0	0	0	0	0
	LSD (P=.05)						0.0	12.9	7.2	8.6	7.2	6.2
	Standard Deviation						0.0	7.7	4.3	5.1	4.3	3.7
	CV						0.0	9.97	200.71	5.74	200.71	4.1

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

CORN POSTEMERGENCE IT JOHNSONGRASS

Trial ID: C8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 5-13-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SORHA JOHNSONGRASS
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-13-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 65 F Soil Moisture: NORMAL Emergence Date: 5-19-98
Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-13-98	5-20-98	6-1-98	6-3-98		
Time of Day:	3:00 PM	11:00 AM	3:00 PM	4:00 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	PRE	SPIKE	8J	12J		
Applic. Placement:	BROSOI	BROSOI	BROFOL	BROFOL		
Air Temp., Unit:	72 F	73 F	72 F	68 F		
% Relative Humidity:	80	80	77	70		
Wind Velocity, Unit:	2 MPH	4 MPH	3 MPH	5 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	65 F	69 F	70 F	70 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	30	40	40	30		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		SPK	4 LF	5 LF		
		1 IN	8 IN	10 IN		

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

CORN POSTEMERGENCE IT JOHNSONGRASS

Trial ID: C8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SORHA		1 LF .5 IN	4 LF 8 IN	5 LF 12 IN		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE LIBERTY JOHNSONGRASS

Trial ID: C8024 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		SORHA		ZEAMX		SORHA	
Part Rated	ZEAMX		SORHA		ZEAMX		SORHA	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	ZEAMX		SORHA		ZEAMX		SORHA	
Footnote Number	ZEAMX		SORHA		ZEAMX		SORHA	
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SORHA	ZEAMX	SORHA	ZEAMX	SORHA
1	LIBERTY	1.67	E	.36	LB A/A	12J	0	88	0	80	0	83
1	AMS	100	SG	3	LB A/A	12J						
2	LIBERTY	1.67	E	.27	LB A/A	12J	0	82	0	65	0	82
2	AMS	100	SG	3	LB A/A	12J						
3	LIBERTY	1.67	E	.27	LB A/A	12J	0	87	0	88	0	90
3	AMS	100	SG	3	LB A/A	12J						
3	LIBERTY	1.67	E	.27	LB A/A	20C						
3	AMS	100	SG	3	LB A/A	20C						
4	PROWL	3.3	EC	.75	LB A/A	PRE	0	85	0	80	0	88
4	LIBERTY	1.67	E	.27	LB A/A	12J						
4	AMS	100	SG	3	LB A/A	12J						
5	AATREX	4	F	1.5	LB A/A	PRE	0	88	0	73	0	87
5	LIBERTY	1.67	E	.36	LB A/A	12J						
5	AMS	100	SG	3	LB A/A	12J						
6	LIBERTY	1.67	E	.27	LB A/A	12J	0	82	0	92	0	93
6	ACCENT	75	WG	.016	LB A/A	12J						
6	COC		L	1	QT/A	12J						
6	AMS	100	SG	3	LB A/A	12J						
7	ACCENT	75	WG	.016	LB A/A	12J	0	72	0	92	0	93
7	BEACON	75	DF	.018	LB A/A	12J						
7	COC		L	1	QT/A	12J						
7	LIQUID N		L	1	QT/A	12J						
8	EXCEED	57	DF	.018	LB A/A	12J	0	78	0	83	0	90
8	ACCENT	75	WG	.016	LB A/A	12J						
8	COC		L	1	QT/A	12J						
8	LIQUID N		L	1	QT/A	12J						
LSD (P=.05)							0.0	11.4	0.0	17.0	0.0	8.3
Standard Deviation							0.0	6.5	0.0	9.7	0.0	4.8
CV							0.0	7.85	0.0	11.88	0.0	5.38

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

CORN POSTEMERGENCE LIBERTY JOHNSONGRASS

Trial ID: C8024

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Study Design: RANDOMIZED COMPLETE BLOCK

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C8010 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		ZORHA		ZORHA		ZORHA	
Part Rated	ZORHA		ZORHA		ZORHA		ZORHA	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Footnote Number	P		P		P		P	
Trt-Eval Interval	0		0		0		0	
PRM Data Type	0		0		0		0	
# Subsamples, Dec.	0		0		0		0	

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX INJURY PERCENT	ZORHA CONTROL PERCENT	ZEAMX INJURY PERCENT	ZORHA CONTROL PERCENT	ZEAMX INJURY PERCENT	ZORHA CONTROL PERCENT
1	HARNESS	7	EC	1.86	LB A/A	PRE	0	100	0	98	0	97
1	ROUNDUP ULTRA	4	AS	1	LB A/A	9J						
2	HARNESS	7	EC	1.86	LB A/A	PRE	0	62	0	98	0	98
2	ROUNDUP ULTRA	4	AS	1	LB A/A	18J						
3	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	100	0	98	0	100
3	ROUNDUP ULTRA	4	AS	1	LB A/A	9J						
4	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	82	0	98	0	100
4	ROUNDUP ULTRA	4	AS	1	LB A/A	18J						
5	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	100	0	97	0	97
5	ROUNDUP ULTRA	4	AS	1	LB A/A	9J						
5	ROUNDUP ULTRA	4	AS	.5	LB A/A	5REG						
6	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	68	0	97	0	82
6	ROUNDUP ULTRA	4	AS	1	LB A/A	18J						
6	ROUNDUP ULTRA	4	AS	.5	LB A/A	5REG						
7	BICEP II	5.9	F	3.6	LB A/A	PRE	0	22	0	78	0	88
7	EXCEED	57	DF	.036	LB A/A	18J						
7	COC		L	1	QT/A	18J						
8	FULTIME	4	CS	3	LB A/A	PRE	0	53	0	90	0	98
8	ACCENT	75	WG	.031	LB A/A	18J						
8	COC		L	1	QT/A	18J						
8	LIQUID N		L	2	QT/A	18J						
9	PRINCEP	4	F	1.5	LB A/A	PRE	0	20	0	95	0	98
9	AATREX	4	F	1	LB A/A	PRE						
9	ACCENT	75	WG	.031	LB A/A	18J						
9	COC		L	1	QT/A	18J						
9	LIQUID N		L	2	QT/A	18J						
10	ROUNDUP ULTRA	4	AS	1	LB A/A	12J	0	97	0	98	0	97
11	ROUNDUP ULTRA	4	AS	1	QT/A	18J	0	63	0	98	0	98

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C8010 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		ZEAMX		ZEAMX		SORHA	
Part Rated	ZEAMX		ZEAMX		ZEAMX		SORHA	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Footnote Number	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Trt-Eval Interval	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
12	ACCENT	75	WG	.016	LB A/A	18J	2	8	2	98	2	100
12	BEACON	75	DF	.018	LB A/A	18J						
12	COC		L	1	QT/A	18J						
12	LIQUID N		L	1	QT/A	18J						
LSD (P=.05)							1.4	43.7	1.4	12.0	1.4	16.2
Standard Deviation							0.8	25.8	0.8	7.1	0.8	9.6
CV							600.0	40.0	600.0	7.41	600.0	9.96

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C8010 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 5-13-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SORHA JOHNSONGRASS
Crop 1: ZEAMX FIELD CORN Variety: DEKALB 591 RR Planting Date: 5-13-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 72 F Soil Moisture: NORMAL Emergence Date: 5-22-98
Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-13-98	6-1-98	6-3-98	6-6-98		
Time of Day:	3:00 PM	10:00 AM	2:00 PM	2:00 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	PRE	9J	12J	18J		
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL		
Air Temp., Unit:	72 F	70 F	68 F	55 F		
% Relative Humidity:	70	80	82	80		
Wind Velocity, Unit:	4 MPH	3 MPH	5 MPH	5 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	70 F	71 F	71 F	68 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	40	30	50	30		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		9 IN	11 IN	14 IN		
		4 LF	5 LF	7 LF		

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C8010 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SORHA						

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE SR JOHNSONGRASS

Trial ID: C8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		ZEAMX		ZEAMX		SORHA	
Part Rated	ZEAMX		ZEAMX		ZEAMX		SORHA	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	ZEAMX		ZEAMX		ZEAMX		SORHA	
Footnote Number	ZEAMX		ZEAMX		ZEAMX		SORHA	
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
1	AATREX	4	F	1.5	LB A/A	PRE	0	82	0	95	0	98
1	POAST PLUS	1	E	.28	LB A/A	12J						
1	COC		L	1	QT/A	12J						
2	AATREX	4	F	1.5	LB A/A	PRE	0	15	0	98	0	98
2	POAST PLUS	1	E	.28	LB A/A	16J						
2	COC		L	1	QT/A	16J						
3	GUARDSMAN	5	E	2.8	LB A/A	PRE	0	85	0	98	0	98
3	POAST PLUS	1	E	.28	LB A/A	12J						
3	COC		L	1	QT/A	12J						
4	GUARDSMAN	5	E	2.8	LB A/A	PRE	0	55	0	93	0	95
4	POAST PLUS	1	E	.28	LB A/A	16J						
4	COC		L	1	QT/A	16J						
5	MARKSMAN	3.2	F	1.4	LB A/A	12J	0	50	0	93	0	97
5	POAST PLUS	1	E	.28	LB A/A	12J						
6	MARKSMAN	3.2	F	1.4	LB A/A	16J	0	3	22	80	2	92
6	POAST PLUS	1	E	.28	LB A/A	16J						
7	FRONTIER	6	E	.94	LB A/A	PRE	0	90	0	92	0	93
7	POAST PLUS	1	E	.28	LB A/A	12J						
7	BANVEL	4	EC	.125	LB A/A	12J						
7	COC		L	1	QT/A	12J						
8	FRONTIER	6	E	.94	LB A/A	PRE	0	77	0	97	0	97
8	POAST PLUS	1	E	.28	LB A/A	16J						
8	BANVEL	4	EC	.125	LB A/A	16J						
8	COC		L	1	QT/A	16J						
9	POAST PLUS	1	E	.28	LB A/A	12J	0	75	35	92	12	92
9	DISTINCT	70	WG	.263	LB A/A	12J						
9	COC		L	1	QT/A	12J						
9	LIQUID N		L	1	QT/A	12J						
10	POAST PLUS	1	E	.28	LB A/A	16J	0	5	37	93	12	93
10	DISTINCT	70	WG	.263	LB A/A	16J						
10	COC		L	1	QT/A	16J						
10	LIQUID N		L	1	QT/A	16J						

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

CORN POSTEMERGENCE SR JOHNSONGRASS

Trial ID: C8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
Crop Code	ZEAMX		ZEAMX		ZEAMX		ZEAMX	
Part Rated	ZEAMX		ZEAMX		ZEAMX		ZEAMX	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	ZEAMX		ZEAMX		ZEAMX		ZEAMX	
Footnote Number	ZEAMX		ZEAMX		ZEAMX		ZEAMX	
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
11	ACCENT	75	WG	.031	LB A/A	12J	0	17	0	55	0	60
11	DISTINCT	70	WG	.263	LB A/A	12J						
11	COC		L	1	QT/A	12J						
11	LIQUID N		L	1	QT/A	12J						
12	ACCENT	75	WG	.031	LB A/A	16J	0	22	10	85	3	93
12	DISTINCT	70	WG	.263	LB A/A	16J						
12	COC		L	1	QT/A	16J						
12	LIQUID N		L	1	QT/A	16J						
13	CELEBRITY						0	82	0	97	0	98
13	NICOSULFURON	75	DF	.031	LB A/A	8J						
13	DICAMBA	70	DF	.26	LB A/A	8J						
13	COC		L	1	QT/A	8J						
13	LIQUID N		L	1	QT/A	8J						
14	CELEBRITY						0	43	0	97	0	98
14	NICOSULFURON	75	DF	.031	LB A/A	12J						
14	DICAMBA	70	DF	.26	LB A/A	12J						
14	COC		L	1	QT/A	12J						
14	LIQUID N		L	1	QT/A	12J						
15	EXCEED	57	DF	.036	LB A/A	12J	0	57	0	88	0	97
15	COC		L	1	QT/A	12J						
15	LIQUID N		L	1	QT/A	12J						
16	AATREX	4	F	1.5	LB A/A	PRE	0	17	0	82	0	92
16	EXCEED	57	DF	.036	LB A/A	16J						
16	COC		L	1	QT/A	16J						
16	LIQUID N		L	1	QT/A	16J						
17	AATREX	4	F	1.5	LB A/A	PRE	0	57	0	93	0	95
17	ACCENT	75	WG	.016	LB A/A	12J						
17	BEACON	75	DF	.018	LB A/A	12J						
17	COC		L	1	QT/A	12J						
17	LIQUID N		L	1	QT/A	12J						

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

CORN POSTEMERGENCE SR JOHNSONGRASS

Trial ID: C8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX		SORHA		ZEAMX		SORHA	
	INJURY PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT
Rating Data Type								
Rating Unit								
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS		
PRM Data Type	P	P	P	P	P	P		
# Subsamples, Dec.	0	0	0	0	0	0		

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
18	AATREX	4	F	1.5	LB A/A	PRE	0	3	0	92	0	97
18	ACCENT	75	WG	.016	LB A/A	16J						
18	BEACON	75	DF	.018	LB A/A	16J						
18	COC		L	1	QT/A	16J						
18	LIQUID N		L	1	QT/A	16J						
LSD (P=.05)							0.0	30.5	8.7	25.1	4.2	22.7
Standard Deviation							0.0	18.3	5.2	15.1	2.5	13.6
CV							0.0	39.51	90.68	16.74	160.03	14.57

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

CORN POSTEMERGENCE SR JOHNSONGRASS

Trial ID: C8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 5-13-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SORHA JOHNSONGRASS

Crop 1: ZEAMX FIELD CORN Variety: DEKALB DK683SR Planting Date: 5-13-98
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: 5-21-98
Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-13-98	6-1-98	6-3-98	6-6-98		
Time of Day:	4:00 PM	1:00 PM	5:00 PM	2:00 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	PRE	8J	12J	16J		
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL		
Air Temp., Unit:	72 F	74 F	69 F	58 F		
% Relative Humidity:	70	80	84	80		
Wind Velocity, Unit:	2 MPH	3 MPH	5 MPH	5 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	64 F	70 F	70 F	65 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	30	40	50			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF 8 IN	4 LF 9 IN	5 LF 12 IN		

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

CORN POSTEMERGENCE SR JOHNSONGRASS

Trial ID: C8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SORHA		3 LF 8 IN	4 LF 12 IN	5 LF 16 IN		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

NO-TILL CORN STALKLAND

Trial ID: C8004
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SEFTA	AMACH	SIDSP
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SEFTA	AMACH	SIDSP
1	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	97	90	0	97	97	100	0	93	100	93
1	FULTIME	4	CS	2.7	LB A/A	PRE										
1	AATREX	4	F	.5	LB A/A	PRE										
1	INDUCE			.25	% V/V	PRE										
2	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	100	90	0	97	100	100	0	97	100	100
2	FULTIME	4	CS	3	LB A/A	PRE										
2	AATREX	4	F	.3	LB A/A	PRE										
2	ACTIVATOR 90			.25	% V/V	PRE										
3	AXIOM	68	DF	.81	LB A/A	PRE	100	83	0	100	93	100	0	97	93	97
3	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
4	AXIOM	68	DF	.81	LB A/A	PRE	97	77	3	97	87	100	0	97	97	100
4	AATREX	4	F	1.4	LB A/A	PRE										
4	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
5	AXIOM	68	DF	.81	LB A/A	PRE	97	87	5	97	90	100	0	93	97	97
5	BALANCE	75	WG	.094	LB A/A	PRE										
5	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
6	AXIOM	68	DF	.81	LB A/A	PRE	93	93	0	93	93	100	0	90	100	93
6	HORNET	85.6	WG	.214	LB A/A	PRE										
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
7	GUARDSMAN	5	E	2.8	LB A/A	PRE	100	93	0	100	97	100	0	97	97	93
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
8	GUARDSMAN	5	E	2.8	LB A/A	PRE	97	93	7	97	100	100	0	97	100	97
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
8	MARKSMAN	3.2	F	1.4	LB A/A	8C										
9	FRONTIER	6	E	1.3	LB A/A	PRE	97	90	7	97	100	100	0	100	100	97
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
9	DISTINCT	70	WG	.263	LB A/A	8C										
9	INDUCE			.25	% V/V	8C										
9	LIQUID N		L	1	QT/A	8C										

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

NO-TILL CORN STALKLAND

Trial ID: C8004
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SEFTA	AMACH	SIDSP
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
10	FRONTIER	6	E	1.3	LB A/A	PRE	63	87	7	67	93	97	0	63	93	93
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
10	CLARITY	4	E	.5	LB A/A	6C										
10	INDUCE			.25	% V/V	6C										
10	LIQUID N		L	1	QT/A	6C										
11	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	100	87	0	100	100	97	0	97	100	93
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
12	HARNESS XTRA	5.6	EC	3.22	LB A/A	PRE	97	90	3	97	100	97	0	97	100	93
12	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
13	AATREX	4	F	1.5	LB A/A	PRE	100	90	10	100	100	100	0	100	100	100
13	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE										
13	WEEDONE 638	2.8	E	.5	LB A/A	PRE										
13	INDUCE			.25	% V/V	PRE										
13	BASIS GOLD	89.5	DF	.75	LB A/A	8C										
13	COC		L	1	QT/A	8C										
13	AMS	100	SG	2	LB A/A	8C										
14	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	97	90	13	97	100	100	0	97	100	100
14	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE										
14	EXCEED	57	DF	.036	LB A/A	8C										
14	COC		L	1	QT/A	8C										
14	LIQUID N		L	1	QT/A	8C										
15	BALANCE	75	WG	.094	LB A/A	PRE	50	47	0	50	47	57	0	47	47	57
15	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
16	BALANCE	75	WG	.1175	LB A/A	PRE	90	87	3	90	90	93	0	80	70	93
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
17	BALANCE	75	WG	.094	LB A/A	PRE	90	90	0	90	100	93	0	90	93	93
17	AATREX	4	F	1.5	LB A/A	PRE										
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
18	BALANCE	75	WG	.094	LB A/A	PRE	100	87	0	100	100	100	0	97	100	97
18	HARNESS	7	EC	.875	LB A/A	PRE										
18	AATREX	4	F	1.5	LB A/A	PRE										
18	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										

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

NO-TILL CORN STALKLAND

Trial ID: C8004
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SEFTA	AMACH	SIDSP
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
19	BALANCE	75	WG	.094	LB A/A	PRE	97	80	7	97	100	100	0	100	100	93
19	BICEP II	5.9	F	2.95	LB A/A	PRE										
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
20	BALANCE	75	WG	.094	LB A/A	PRE	97	90	3	97	100	97	0	100	100	93
20	HARNES XTRA	5.6	EC	2.8	LB A/A	PRE										
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
21	BALANCE	75	WG	.094	LB A/A	PRE	100	87	0	100	100	97	0	100	97	93
21	BICEP II	5.9	F	3.32	LB A/A	PRE										
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
22	BALANCE	75	WG	.094	LB A/A	PRE	100	80	7	100	87	100	0	100	100	100
22	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE										
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
23	BALANCE	75	WG	.1175	LB A/A	PRE	100	93	10	100	100	100	0	87	97	100
23	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
23	BUCTRIL	2	EC	.25	LB A/A	MP										
23	AATREX	4	F	.5	LB A/A	MP										
24	BALANCE	75	WG	.094	LB A/A	PRE	100	93	20	100	100	100	0	100	100	93
24	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
24	BASIS GOLD	89.5	DF	.785	LB A/A	MP										
24	COC		L	1	QT/A	MP										
24	LIQUID N		L	1	QT/A	MP										
25	BALANCE	75	WG	.094	LB A/A	PRE	100	93	0	100	100	100	0	100	100	100
25	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
25	ACCENT	75	WG	.015	LB A/A	MP										
25	BEACON	75	DF	.016	LB A/A	MP										
25	COC		L	1	QT/A	MP										
26	BALANCE	75	WG	.1175	LB A/A	PRE	100	90	0	100	100	100	0	100	97	97
26	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
26	EXCEED	57	DF	.036	LB A/A	MP										
26	COC		L	1	QT/A	MP										
26	LIQUID N		L	1	QT/A	MP										

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

NO-TILL CORN STALKLAND

Trial ID: C8004
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SEFTA	AMACH	SIDSP
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	AMACH	SIDSP	ZEAMX	SEFTA	AMACH	SIDSP
27	BALANCE	75	WG	.094	LB A/A	PRE	100	93	0	100	100	100	0	100	100	97
27	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
27	ACCENT	75	WG	.016	LB A/A	MP										
27	EXCEED	57	DF	.018	LB A/A	MP										
27	COC		L	1	QT/A	MP										
28	BALANCE	75	WG	.094	LB A/A	PRE	97	93	0	97	100	100	0	97	100	100
28	AATREX	4	F	1	LB A/A	PRE										
28	PRINCEP	4	F	1	LB A/A	PRE										
28	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
28	EXCEED	57	DF	.018	LB A/A	MP										
28	COC		L	1	QT/A	MP										
29	BICEP II	5.9	F	3.54	LB A/A	PRE	97	90	3	97	100	97	0	97	100	100
29	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
30	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	97	97	0	97	97	100	0	97	100	97
30	WEEDONE 638	2.8	E	.5	LB A/A	PRE										
30	INDUCE			.25	% V/V	PRE										
30	FULTIME	4	CS	2.7	LB A/A	PRE										
30	AATREX	4	F	.5	LB A/A	PRE										
30	PRINCEP	4	F	.5	LB A/A	PRE										
LSD (P=.05)							22.8	15.8	8.6	23.4	16.3	15.5	0.0	24.2	17.0	17.1
Standard Deviation							14.0	9.7	5.3	14.4	10.0	9.5	0.0	14.8	10.4	10.5
CV							14.7	11.03	145.76	15.13	10.45	9.71	0.0	15.84	10.88	11.01

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

NO-TILL CORN STALKLAND

Trial ID: C8004 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK Postal Code: 40546
Affiliation: UNIVERSITY OF KENTUCKY
Trial Status: COMPLETE Initiation Date: 5-4-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.XANST C. COCKLEBUR 2.CHEAL C.LAMBSQUARTERS 3.AMACH S. PIGWEED
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-4-98
Planting Method: ROWS Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 5-14-98
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

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-4-98	5-20-98	5-29-98			
Time of Day:	3:00 PM	6:00 PM	2:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	6C	8C - MP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	55 F	85 F	82 F			
% Relative Humidity:	87	85	80			
Wind Velocity, Unit:	2 MPH	3 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	59 F	77 F	78 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			
% Cloud Cover:	30	10	40			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF	5 LF			
		6 IN	8 IN			

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

NO-TILL CORN STALKLAND

Trial ID: C8004 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
XANST		4 LF	6 LF			
		2 IN	4 IN			
CHEAL		4 LF	8 LF			
		1 IN	4 IN			
AMACH		COT	5 LF			
		1 IN	3 IN			

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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

NO-TILL CORN STALKLAND II

Trial ID: C8006

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	IPOSS	ABUTH	XANST	ZEAMX	SETFA	IPOSS	ABUTH	XANST
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0	0
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SETFA	IPOSS	ABUTH	XANST	ZEAMX	SETFA	IPOSS	ABUTH	XANST
1	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	87	97	97	0	100	70	90	88
1	MON 58430	3.8	CS	2	LB A/A	PRE										
1	AATREX	4	F	1.5	LB A/A	PRE										
1	AMS	100	SG	2	% V/V	PRE										
2	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	98	87	97	90	0	98	60	95	88
2	MON 8411	8	EC	2	LB A/A	PRE										
2	AATREX	4	F	1.5	LB A/A	PRE										
2	AMS	100	SG	2	% V/V	PRE										
3	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	60	98	82	0	95	40	95	78
3	MON 8411	8	EC	2	LB A/A	PRE										
3	BALANCE	75	WG	.061	LB A/A	PRE										
4	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	98	93	100	100	0	98	80	100	100
4	MON 8411	8	EC	2	LB A/A	PRE										
4	MON PERMIT +ATRA	80	WG	1.125	LB A/A	8C										
4	ACTIVATOR 90			.25	% V/V	8C										
5	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	90	95	85	0	100	73	90	85
5	HARNESS XTRA	5.6	EC	2.7	LB A/A	PRE										
5	AMS	100	SG	2	% V/V	PRE										
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	93	95	75	0	100	87	92	70
6	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE										
6	AMS	100	SG	2	% V/V	PRE										
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	10	98	90	100	100	0	98	73	100	100
7	MON 58430	3.8	CS	2	LB A/A	PRE										
7	PERMIT	75	DF	.031	LB A/A	8C										
7	BANVEL	4	EC	.125	LB A/A	8C										
7	ACTIVATOR 90			.25	% V/V	8C										
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	10	97	88	100	100	0	97	70	100	100
8	MON 8411	8	EC	2	LB A/A	PRE										
8	PERMIT	75	DF	.031	LB A/A	8C										
8	BANVEL	4	EC	.125	LB A/A	8C										
8	ACTIVATOR 90			.25	% V/V	8C										

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

NO-TILL CORN STALKLAND II

Trial ID: C8006

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	IPOSS	ABUTH	XANST	ZEAMX	SETFA	IPOSS	ABUTH	XANST
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SETFA	IPOSS	ABUTH	XANST	ZEAMX	SETFA	IPOSS	ABUTH	XANST
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	93	100	100	0	97	83	100	97
9	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE										
9	FRINCEP	4	F	1	LB A/A	PRE										
9	AMS	100	SG	2	% V/V	PRE										
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	92	100	100	0	100	75	100	100
10	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE										
10	BALANCE	75	WG	.056	LB A/A	PRE										
10	AMS	100	SG	2	% V/V	PRE										
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	93	100	82	0	95	85	100	73
11	BULLET	4	F	3.75	LB A/A	PRE										
11	AMS	100	SG	2	% V/V	PRE										
12	WEEDY CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							2.4	4.6	5.3	5.1	11.6	0.0	4.6	12.8	5.7	13.6
Standard Deviation							1.4	2.7	3.1	3.0	6.9	0.0	2.7	7.6	3.4	8.0
CV							86.6	3.01	3.88	3.33	8.16	0.0	3.01	11.39	3.8	9.84

NO-TILL CORN STALKLAND II

Trial ID: C8006 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 5-4-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1. IPOHE IVYLEAF MG 2. ABUTH VELVETLEAF
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-4-98
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: 5-15-98
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

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-4-98	5-27-98				
Time of Day:	1:00 PM	4:00 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	8C				
Applic. Placement:	BROSIOI	BROFOL				
Air Temp., Unit:	55 F	71 F				
% Relative Humidity:	72	84				
Wind Velocity, Unit:	3 MPH	3 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	58 F	73 F				
Soil Moisture:	ADEQUATE	ADEQUATE				
% Cloud Cover:	60	40				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		5 LF				
		8 IN				

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

NO-TILL CORN STALKLAND II

Trial ID: C8006 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
IPOHE		4 LF				
		3 IN				
ABUTH		3 LF				
		4 IN				

APPLICATION EQUIPMENT

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

Trt No Treatment Application Comment

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

NO-TILL CORN ROUNDUP

Trial ID: C8032
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	ZEAMX	IPOSS	XANST	ABUTH	ZEAMX	IPOSS	XANST	ABUTH
										GROW RED PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	GROW RED PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
										4 WEEK P	4 WEEK P	4 WEEK P	4 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P
										0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	IPOSS	XANST	ABUTH	ZEAMX	IPOSS	XANST	ABUTH
1	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	70	83	87	0	53	83	87
1	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W								
2	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	90	93	0	80	90	93
2	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W								
2	ROUNDUP ULTRA	4	AS	.75	LB A/A	REG								
3	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	93	93	93	0	83	93	93
3	HARNESS XTRA	5.6	EC	1.68	LB A/A	PRE								
3	AMS	100	SG	2	% V/V	PRE								
3	ROUNDUP ULTRA	4	AS	1	LB A/A	15C								
4	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	93	97	0	87	69	97
4	HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE								
4	AMS	100	SG	2	% V/V	PRE								
4	ROUNDUP ULTRA	4	AS	1	LB A/A	15C								
5	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	97	97	0	87	97	97
5	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE								
5	AMS	100	SG	2	% V/V	PRE								
5	ROUNDUP ULTRA	4	AS	1	LB A/A	15C								
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	47	90	93	0	23	90	93
6	HARNESS XTRA	7	EC	1	LB A/A	PRE								
6	BALANCE	75	WG	.03	LB A/A	PRE								
6	ROUNDUP ULTRA	4	AS	1	LB A/A	15C								
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	90	97	0	80	90	97
7	HARNESS XTRA	5.6	EC	1.68	LB A/A	PRE								
7	BALANCE	75	WG	.028	LB A/A	PRE								
7	AMS	100	SG	2	% V/V	PRE								
7	ROUNDUP ULTRA	4	AS	1	LB A/A	15C								
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	93	93	0	87	93	93
8	HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE								
8	BALANCE	75	WG	.042	LB A/A	PRE								
8	AMS	100	SG	2	% V/V	PRE								
8	ROUNDUP ULTRA	4	AS	1	LB A/A	15C								

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

NO-TILL CORN ROUNDUP

Trial ID: C8032
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	ZEAMX		IPOSS	XANST	ABUTH	ZEAMX		IPOSS	XANST	ABUTH	
										GROW RED PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	GROW RED PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT			
										4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK			
										P	P	P	P	P	P	P	P			
										0	0	0	0	0	0	0	0			

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg													
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	93	93	97	0	83	93	97					
9	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE													
9	BALANCE	75	WG	.056	LB A/A	PRE													
9	AMS	100	SG	2	% V/V	PRE													
9	ROUNDUP ULTRA	4	AS	1	LB A/A	15C													
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	93	100	0	80	93	100					
10	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W													
10	PERMIT	75	DF	.031	LB A/A	3"W													
10	HARNESS	7	EC	1	LB A/A	3"W													
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	70	97	100	0	57	97	100					
11	HARNESS	7	EC	2	LB A/A	PRE													
11	MON (RU + PER)	75	DF	.063	LB A/A	15C													
11	ROUNDUP ULTRA	4	AS	.72	LB A/A	15C													
12	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	93	100	0	87	93	100					
12	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W													
12	HARNESS XTRA	5.6	EC	1.68	LB A/A	3"W													
12	AMS	100	SG	2	% V/V	3"W													
13	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	93	93	100	0	83	93	100					
13	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W													
13	HARNESS XTRA	5.6	EC	2.52	LB A/A	3"W													
13	AMS	100	SG	2	% V/V	3"W													
14	ATRAZINE	4	F	1.5	LB A/A	PRE	0	100	97	100	0	93	97	100					
14	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE													
14	ROUNDUP ULTRA	4	AS	1	LB A/A	15C													
15	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	100	100	0	93	100	100					
15	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W													
15	ATRAZINE	4	F	1.5	LB A/A	3"W													
15	AMS	100	SG	2	% V/V	3"W													
16	FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	0	93	93	100	0	83	93	100					
16	AMS	100	SG	2	% V/V	PRE													
16	ROUNDUP ULTRA	4	AS	1	LB A/A	15C													

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

NO-TILL CORN ROUNDUP

Trial ID: C8032
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX		IPOSS	XANST	ABUTH	ZEAMX		IPOSS	XANST	ABUTH
Crop Code	GROW RED	CONTROL	CONTROL	CONTROL	GROW RED	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type										
Rating Unit										
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg									
17	FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	0	93	97	100	0	83	97	100	
17	ROUNDUP ULTRA	4	AS	.25	LB A/A	PRE									
17	AMS	100	SG	2	% V/V	PRE									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	15C									
18	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	0	100	100	100	0	93	100	100	
18	INDUCE			.25	% V/V	PRE									
18	BICEP II	5.9	F	3.6	LB A/A	PRE									
18	EXCEED	57	DF	.036	LB A/A	15C									
18	COC		L	1	QT/A	15C									
LSD (P=.05)							0.0	20.1	10.8	6.9	0.0	26.0	23.6	6.9	
Standard Deviation							0.0	12.0	6.5	4.1	0.0	15.6	14.1	4.1	
CV							0.0	13.45	6.89	4.23	0.0	19.81	15.3	4.23	

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

NO-TILL CORN ROUNDUP

Trial ID: C8032 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 5-4-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.IPOHE IVYLEAF MG 3.XANST C. COCKLEBUR
Crop 1: ZEAMX FIELD CORN Variety: DEKALB 591 RR Planting Date: 5-4-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 57 F Soil Moisture: NORMAL Emergence Date: 5-16-98
Plot Width, Unit: 10 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-4-98	5-27-98	6-5-98			
Time of Day:	12:00 PM	2:00 PM	3:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	3W	15C			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	55 F	71 F	64 F			
% Relative Humidity:	80	88	98			
Wind Velocity, Unit:	3 MPH	4 MPH	6 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	57 F	67 F	71 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			
% Cloud Cover:	40	40	70			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		5 LF 6 IN	8 LF 15 IN			

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

NO-TILL CORN ROUNDUP

Trial ID: C8032 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		3 LF	4 LF			
		3 IN	5 IN			
IPOHE		6 LF	6 LF			
		4 IN	6 IN			
XANST		6 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK				
Operating Pressure:	30	30				
Nozzle Type:	FLAT FAN	FLAT FAN				
Nozzle Size:	8004	8004				
Nozzle Spacing, Unit:	20 IN	20 IN				
Boom Length, Unit:	10 FT	10 FT				
Boom Height, Unit:	19 IN	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Spray Volume, Unit:	24 GPA	24 GPA				
Propellant:	CO2	CO2				

Trt No Treatment Application Comment

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C8007 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	XANST	ABUTH	ZEAMX	SETFA	XANST	ABUTH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0		0	0				

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	XANST	ABUTH	ZEAMX	SETFA	XANST	ABUTH
1	BICEP II MAGNUM	5.5	L	3.2	LB A/A	3WK	0	7	0	0.0	8	0	0.0	0.0	8.3	0.0
1	ROUNDUP ULTRA	4	AS	1	LB A/A	3WK										
2	SURPASS 100	5	SC	3.25	LB A/A	3WK	0	17	0	0.0	22	7	0.0	0.0	15.0	6.7
2	ROUNDUP ULTRA	4	AS	1	LB A/A	3WK										
3	HARNESS XTRA	5.6	EC	3.22	LB A/A	3WK	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0
3	ROUNDUP ULTRA	4	AS	1	LB A/A	3WK										
4	GUARDSMAN	5	E	2.8	LB A/A	3WK	0	28	0	0.0	32	23	0.0	0.0	28.3	23.3
4	ROUNDUP ULTRA	4	AS	1	LB A/A	3WK										
5	FULTIME	4	CS	4	LB A/A	3WK	0	0	0	0.0	0	0	0.0	0.0	0.0	0.0
5	ROUNDUP ULTRA	4	AS	1	LB A/A	3WK										
6	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	90	42	0	61.7	52	32	0.0	61.7	51.7	31.7
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
7	SURPASS 100	5	SC	2.75	LB A/A	PRE	28	17	0	20.0	8	20	0.0	20.0	20.0	20.0
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
8	HARNESS XTRA	5.6	EC	3.22	LB A/A	PRE	77	28	0	50.0	33	40	0.0	50.0	43.3	43.3
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
9	GUARDSMAN	5	E	5	LB A/A	PRE	95	82	0	95.0	92	87	0.0	95.0	86.7	80.0
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
10	FULTIME	4	CS	3.3	LB A/A	PRE	93	60	0	93.3	68	52	0.0	93.3	65.0	51.7
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE										
11	BASIS	75	DF	.156	LB A/A	2WK	98	95	0	98.3	98	95	0.0	95.0	98.3	96.7
11	AATREX	4	F	.9	LB A/A	2WK										
11	COC		L	1	QT/A	2WK										
11	LIQUID N		L	2	QT/A	2WK										
11	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
11	COC		L	1	QT/A	MP										
11	LIQUID N		L	2	QT/A	MP										

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C8007 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	XANST	ABUTH	ZEAMX	SETFA	XANST	ABUTH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0		0	0				

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
12	AATREX	4	F	.9	LB A/A	2WK	95	85	0	95.0	90	93	0.0	95.0	88.3	93.3
12	WEEDONE 638	2.8	E	.5	LB A/A	2WK										
12	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
12	COC		L	1	QT/A	MP										
12	LIQUID N		L	2	QT/A	MP										
13	BALANCE	75	WG	.047	LB A/A	2WK	93	75	0	63.3	73	90	0.0	63.3	76.7	90.0
13	COC		L	1	QT/A	2WK										
13	LIQUID N		L	2	QT/A	2WK										
13	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
13	COC		L	1	QT/A	MP										
13	LIQUID N		L	2	QT/A	MP										
14	BALANCE	75	WG	.047	LB A/A	2WK	92	90	0	91.7	95	93	0.0	91.7	95.0	93.3
14	COC		L	1	QT/A	2WK										
14	LIQUID N		L	2	QT/A	2WK										
14	ACCENT GOLD	75	DF	.023	LB A/A	MP										
14	HORNET	85.6	WG	.125	LB A/A	MP										
14	COC		L	1	QT/A	MP										
14	LIQUID N		L	2	QT/A	MP										
15	BICEP II	5.9	F	1.11	LB A/A	2WK	97	87	0	96.7	82	93	0.0	96.7	81.7	93.3
15	COC		L	1	QT/A	2WK										
15	LIQUID N		L	2	QT/A	2WK										
15	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
15	COC		L	1	QT/A	MP										
15	LIQUID N		L	2	QT/A	MP										
16	HARNES XTRA	5.6	EC	1.125	LB A/A	2WK	95	78	0	95.0	80	87	0.0	95.0	76.7	86.7
16	COC		L	1	QT/A	2WK										
16	LIQUID N		L	1	QT/A	2WK										
16	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
16	COC		L	1	QT/A	MP										
16	LIQUID N		L	2	QT/A	MP										
17	GUARDSMAN	5	E	.94	LB A/A	2WK	97	85	0	96.7	85	93	0.0	96.7	90.0	93.3
17	COC		L	1	QT/A	2WK										
17	LIQUID N		L	1	QT/A	2WK										
17	BASIS GOLD	89.5	DF	.788	LB A/A	MP										
17	COC		L	1	QT/A	MP										
17	LIQUID N		L	2	QT/A	MP										

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C8007 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB		SETFA	XANST	ABUTH		SETFA	XANST	ABUTH
Crop Code			ZEAMX				ZEAMX			
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0		0	0				

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
18	AXIOM AT	75	WG	2.25	LB A/A	2WK	45	27	0	45.0	13	47	0.0	45.0	13.3	46.7
18	ROUNDUP ULTRA	4	AS	1	LB A/A	2WK										
19	AXIOM AT	75	WG	2.62	LB A/A	2WK	58	25	0	58.3	33	22	0.0	58.3	33.3	21.7
19	ROUNDUP ULTRA	4	AS	1	LB A/A	2WK										
LSD (P=.05)							26.7	30.1	0.0	42.26	38.5	34.2	0.00	42.20	37.11	34.43
Standard Deviation							16.2	18.3	0.0	25.61	23.4	20.7	0.00	25.57	22.49	20.87
CV							26.65	37.45	0.0	45.91	45.99	40.48	0.0	45.98	43.97	40.8

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C8007 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

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

Trial Status: COMPLETE Initiation Date: 4-10-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. ABUTH VELVETLEAF 3. AMBRT GIANT RAGWEED
4. XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-4-98
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: 5-15-98

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

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-10-98	4-17-98	5-4-98	5-22-98		
Time of Day:	3:00 PM	2:00 PM	11:00 AM	2:15 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	3 WK	2 WK	PRE	MP		
Applic. Placement:	BROSIOI	BROSIOI	BROSIOI	BROFOL		
Air Temp., Unit:	48 F	49 F	55 F	65 F		
% Relative Humidity:	80	72	82	90		
Wind Velocity, Unit:	4 MPH	3 MPH	5 MPH	3 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	51 F	58 F	59 F	70 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	50	40	20	60		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX				4 LF		
				6 IN		

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C8007

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA				2 LF		
				1.5 IN		
ABUTH				2 LF		
				1 IN		
AMBRT				4 LF		
				3 IN		
XANST				4 LF		
				2 IN		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	4 WHEELER	4 WHEELER	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No

Treatment Application Comment

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

NO-TILL CORN EARLY PREPLANT II

Trial ID: C8008 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	SETFA	CHEAL	TAROF	SETFA	CHEAL	TAROF
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Part Rated						
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
1	POAST PLUS	1	E	.19	LB A/A	3WK	0	92	100	93	0	92	100	93
1	MARKSMAN	3.2	F	1.5	LB A/A	3WK								
1	COC		L	1	QT/A	3WK								
1	CELEBRITY													
1	NICOSULFURON	75	DF	.0313	LB A/A	MP								
1	DICAMBA	70	DF	.2625	LB A/A	MP								
1	INDUCE			.25	% V/V	MP								
1	LIQUID N		L	1	QT/A	MP								
2	POAST PLUS	1	E	.19	LB A/A	2WK	0	98	100	95	0	98	100	95
2	MARKSMAN	3.2	F	1.5	LB A/A	2WK								
2	COC		L	1	QT/A	2WK								
2	CELEBRITY													
2	NICOSULFURON	75	DF	.0313	LB A/A	MP								
2	DICAMBA	70	DF	.2625	LB A/A	MP								
2	INDUCE			.25	% V/V	MP								
2	LIQUID N		L	1	QT/A	MP								
3	POAST PLUS	1	E	.19	LB A/A	PRE	0	97	100	93	0	97	100	93
3	MARKSMAN	3.2	F	1.5	LB A/A	PRE								
3	COC		L	1	QT/A	PRE								
3	CELEBRITY													
3	NICOSULFURON	75	DF	.0313	LB A/A	MP								
3	DICAMBA	70	DF	.2625	LB A/A	MP								
3	INDUCE			.25	% V/V	MP								
3	LIQUID N		L	1	QT/A	MP								
4	ROUNDUP ULTRA	4	AS	.75	LB A/A	3WK	0	92	100	95	0	92	100	95
4	AATREX	4	F	1	LB A/A	3WK								
4	CELEBRITY													
4	NICOSULFURON	75	DF	.0313	LB A/A	MP								
4	DICAMBA	70	DF	.2625	LB A/A	MP								
4	INDUCE			.25	% V/V	MP								
4	LIQUID N		L	1	QT/A	MP								

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

NO-TILL CORN EARLY PREPLANT II

Trial ID: C8008 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	CHEAL	TAROF	ZEAMX	SETFA	CHEAL	TAROF
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	ZEAMX	SETFA	CHEAL	TAROF	ZEAMX	SETFA	CHEAL	TAROF
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	2WK	0	65	100	97	0	65	100	97
5	AATREX	4	F	1	LB A/A	2WK								
5	CELEBRITY													
5	NICOSULFURON	75	DF	.0313	LB A/A	MP								
5	DICAMBA	70	DF	.2625	LB A/A	MP								
5	INDUCE			.25	% V/V	MP								
5	LIQUID N		L	1	QT/A	MP								
6	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE	0	93	98	92	0	93	98	92
6	AATREX	4	F	1	LB A/A	PRE								
6	CELEBRITY													
6	NICOSULFURON	75	DF	.0313	LB A/A	MP								
6	DICAMBA	70	DF	.2625	LB A/A	MP								
6	INDUCE			.25	% V/V	MP								
6	LIQUID N		L	1	QT/A	MP								
7	GRAMOXONE EXTRA	2.5	AS	.63	LB A/A	3WK	0	97	100	93	0	97	100	93
7	AATREX	4	F	1	LB A/A	3WK								
7	INDUCE			.25	% V/V	3WK								
7	CELEBRITY													
7	NICOSULFURON	75	DF	.0313	LB A/A	MP								
7	DICAMBA	70	DF	.2625	LB A/A	MP								
7	ACTIVATOR 90			.25	% V/V	MP								
7	LIQUID N		L	1	QT/A	MP								
8	GRAMOXONE EXTRA	2.5	AS	.63	LB A/A	2WK	0	92	100	98	0	92	100	98
8	AATREX	4	F	1	LB A/A	2WK								
8	INDUCE			.25	% V/V	2WK								
8	CELEBRITY													
8	NICOSULFURON	75	DF	.0313	LB A/A	MP								
8	DICAMBA	70	DF	.2625	LB A/A	MP								
8	INDUCE			.25	% V/V	MP								
8	LIQUID N		L	1	QT/A	MP								

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

NO-TILL CORN EARLY PREPLANT II

Trial ID: C8008 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	CHEAL	TAROF	ZEAMX	SETFA	CHEAL	TAROF
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
9	GRAMOXONE EXTRA	2.5	AS	.63	LB A/A	PRE	0	93	100	95	0	93	100	95
9	AATREX	4	F	1	LB A/A	PRE								
9	INDUCE			.25	% V/V	PRE								
9	CELEBRITY													
9	NICOSULFURON	75	DF	.0313	LB A/A	MP								
9	DICAMBA	70	DF	.2625	LB A/A	MP								
9	INDUCE			.25	% V/V	MP								
9	LIQUID N		L	1	QT/A	MP								
10	MARKSMAN	3.2	F	1.5	LB A/A	2WK	0	97	100	98	0	97	100	98
10	WEEDONE 638	2.8	E	.75	LB A/A	2WK								
10	CELEBRITY													
10	NICOSULFURON	75	DF	.0313	LB A/A	MP								
10	DICAMBA	70	DF	.2625	LB A/A	MP								
10	INDUCE			.25	% V/V	MP								
10	LIQUID N		L	1	QT/A	MP								
11	MARKSMAN	3.2	F	1.5	LB A/A	PRE	0	95	100	98	0	95	100	98
11	WEEDONE 638	2.8	E	.75	LB A/A	PRE								
11	CELEBRITY													
11	NICOSULFURON	75	DF	.0313	LB A/A	MP								
11	DICAMBA	70	DF	.2625	LB A/A	MP								
11	INDUCE			.25	% V/V	MP								
11	LIQUID N		L	1	QT/A	MP								
12	HARNES XTRA	5.6	EC	3.22	LB A/A	3WK	0	98	100	98	0	98	100	98
12	ROUNDUP ULTRA	4	AS	1	LB A/A	3WK								
12	CELEBRITY													
12	NICOSULFURON	75	DF	.0313	LB A/A	MP								
12	DICAMBA	70	DF	.2625	LB A/A	MP								
12	INDUCE			.25	% V/V	MP								
12	LIQUID N		L	1	QT/A	MP								
13	HARNES XTRA	5.6	EC	3.22	LB A/A	PRE	0	98	100	97	0	98	100	97
13	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE								
13	CELEBRITY													
13	NICOSULFURON	75	DF	.0313	LB A/A	MP								
13	DICAMBA	70	DF	.2625	LB A/A	MP								
13	INDUCE			.25	% V/V	MP								
13	LIQUID N		L	1	QT/A	MP								

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

NO-TILL CORN EARLY PREPLANT II

Trial ID: C8008 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	SETFA	CHEAL	TAROF	ZEAMX	SETFA	CHEAL	TAROF
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
14	WEEDY CHECK	0	0	0	0	0	0	0	0	0
LSD (P=.05)		0.0	26.6	1.3	5.0	0.0	26.6	1.3	5.0	
Standard Deviation		0.0	15.8	0.8	3.0	0.0	15.8	0.8	3.0	
CV		0.0	18.35	0.83	3.37	0.0	18.35	0.83	3.37	

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

NO-TILL CORN EARLY PREPLANT II

Trial ID: C8008 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 4-10-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.TAROF DANDELION 3.AMACH S. PIGWEED
Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-4-98
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: 5-15-98
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

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-10-98	4-17-98	5-4-98	5-28-98		
Time of Day:	2:00 PM	3:30 PM	11:00 PM	4:00 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	3 WK	2 WK	PRE	MP		
Applic. Placement:	BROSOI	BROSOI	BROSOI	BROFOL		
Air Temp., Unit:	48 F	49 F	55 F	72 F		
% Relative Humidity:	70	72	82	81		
Wind Velocity, Unit:	4 MPH	3 MPH	4 MPH	2 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	52 F	57 F	59 F	73 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		
% Cloud Cover:	20	40	30	10		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX						
				6 LF		
				12 IN		

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

NO-TILL CORN EARLY PREPLANT II

Trial ID: C8008 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		4 LF				
		5 IN				
TAROF		5 LF				
		4 IN				
AMACH		4 LF				
		3 IN				

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	4 WHEELER	4 WHEELER	BACKPACK		
Operating Pressure:	30	30	30	30		
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN		
Nozzle Size:	8004	8004	8004	8004		
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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

NO-TILL CORN EARLY PREPLANT BALANCE

Trial ID: 98BALCR4 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	SETFA	ABUTH	IPOSS	XANST	ZEAMX	SETFA	ABUTH	IPOSS	XANST	
Crop Code	ZEAMX					ZEAMX				
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	
PRM Data Type	P	P	P	P	P	P	P	P	P	
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	BALANCE	75	WG	.094	LB A/A	1WK	0	92	90	90	87	0	78	90	83	78
1	AATREX	4	F	1.5	LB A/A	1WK										
1	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
2	BALANCE	75	WG	.094	LB A/A	1WK	0	92	95	93	88	0	72	95	83	83
2	HARNESSE	7	EC	.875	LB A/A	1WK										
2	AATREX	4	F	1.5	LB A/A	1WK										
2	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
3	BALANCE	75	WG	.094	LB A/A	1WK	0	90	93	92	93	0	87	93	80	82
3	BICEP II	5.9	F	2.95	LB A/A	1WK										
3	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
4	BALANCE	75	WG	.094	LB A/A	1WK	0	90	90	88	82	0	60	90	77	70
4	HARNESSE XTRA	5.6	EC	2.8	LB A/A	1WK										
4	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
5	BALANCE	75	WG	.094	LB A/A	1WK	0	88	93	88	90	0	70	93	77	82
5	FIELDMASTER	4.25	E	3.19	LB A/A	1WK										
6	BALANCE	75	WG	.07	LB A/A	1WK	0	90	90	88	92	0	67	90	80	80
6	FIELDMASTER	4.25	E	4.25	LB A/A	1WK										
7	BALANCE	75	WG	.1175	LB A/A	1WK	0	83	93	90	85	0	68	93	88	88
7	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
7	BUCTRIL	2	EC	.25	LB A/A	10C										
7	AATREX	4	F	.5	LB A/A	10C										
8	BALANCE	75	WG	.1175	LB A/A	1WK	0	93	97	95	95	0	78	97	82	90
8	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
8	ACCENT	75	WG	.016	LB A/A	MP										
8	BEACON	75	DF	.018	LB A/A	MP										
8	COC		L	1	QT/A	MP										
9	BALANCE	75	WG	.094	LB A/A	1WK	0	92	93	93	92	0	75	93	88	90
9	AATREX	4	F	1	LB A/A	1WK										
9	PRINCEP	4	F	1	LB A/A	1WK										
9	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK										
9	BUCTRIL	2	EC	.25	LB A/A	10C										
9	AATREX	4	F	.5	LB A/A	10C										

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

NO-TILL CORN EARLY PREPLANT BALANCE

Trial ID: 98BALCR4 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	SETFA	ABUTH	IPOSS	XANST	SETFA	ABUTH	IPOSS	XANST
Crop Code	ZEAMX				ZEAMX			
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
LSD (P=.05)							0.0	7.9	4.6	7.0	6.7	0.0	15.2	4.6	9.9	11.2
Standard Deviation							0.0	4.6	2.6	4.0	3.9	0.0	8.8	2.6	5.7	6.5
CV							0.0	5.07	2.84	4.43	4.36	0.0	12.06	2.84	6.99	7.84

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

NO-TILL CORN EARLY PREPLANT BALANCE

Trial ID: 98BALCR4 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	SETFA	ABUTH	IPOSS	XANST
Crop Code	ZEAMX			
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	BALANCE	75	WG	.094	LB A/A	1WK	0	78	90	80	78
1	AATREX	4	F	1.5	LB A/A	1WK					
1	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
2	BALANCE	75	WG	.094	LB A/A	1WK	0	72	95	80	83
2	HARNESSE	7	EC	.875	LB A/A	1WK					
2	AATREX	4	F	1.5	LB A/A	1WK					
2	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
3	BALANCE	75	WG	.094	LB A/A	1WK	0	70	93	77	78
3	BICEP II	5.9	F	2.95	LB A/A	1WK					
3	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
4	BALANCE	75	WG	.094	LB A/A	1WK	0	60	90	77	67
4	HARNESSE XTRA	5.6	EC	2.8	LB A/A	1WK					
4	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
5	BALANCE	75	WG	.094	LB A/A	1WK	0	67	93	73	78
5	FIELDMASTER	4.25	E	3.19	LB A/A	1WK					
6	BALANCE	75	WG	.07	LB A/A	1WK	0	60	90	77	77
6	FIELDMASTER	4.25	E	4.25	LB A/A	1WK					
7	BALANCE	75	WG	.1175	LB A/A	1WK	0	62	93	83	88
7	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
7	BUCTRIL	2	EC	.25	LB A/A	10C					
7	AATREX	4	F	.5	LB A/A	10C					
8	BALANCE	75	WG	.1175	LB A/A	1WK	0	72	97	80	83
8	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
8	ACCENT	75	WG	.016	LB A/A	MP					
8	BEACON	75	DF	.018	LB A/A	MP					
8	COC		L	1	QT/A	MP					
9	BALANCE	75	WG	.094	LB A/A	1WK	0	70	93	87	83
9	AATREX	4	F	1	LB A/A	1WK					
9	PRINCEP	4	F	1	LB A/A	1WK					
9	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK					
9	BUCTRIL	2	EC	.25	LB A/A	10C					
9	AATREX	4	F	.5	LB A/A	10C					

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

NO-TILL CORN EARLY PREPLANT BALANCE

Trial ID: 98BALCR4 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code		SETFA	ABUTH	IPOSS	XANST
Crop Code	ZEAMX				
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg
LSD (P=.05)		0.0	9.1	4.6	13.3	16.7
Standard Deviation		0.0	5.3	2.6	7.7	9.6
CV		0.0	7.78	2.84	9.71	12.11

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

NO-TILL CORN EARLY PREPLANT BALANCE

Trial ID: 98BALCR4 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40546

Trial Status: Complete Initiation Date: 4-27-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40546

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.ABUTH VELVETLEAF 3.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541 IT Planting Date: 5-4-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 57 F Soil Moisture: NORMAL Emergence Date: 5-16-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 2.7 % Sand: 7 % Silt: 63 % Clay: 30
pH: 6.4 CEC: 18 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-27-98	5-22-98				
Time of Day:	11:00 AM	2:30 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	1 WK PRE	10C - MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	52 F	65 F				
% Relative Humidity:	80	77				
Wind Velocity, Unit:	3 MPH	4 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	57 F	67 F				
Soil Moisture:	ADEQUATE	ADEQUATE				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		4 LF				
		6 IN				

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

NO-TILL CORN EARLY PREPLANT BALANCE

Trial ID: 98BALCR4

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF				
		1.5 IN				
ABUTH		2 LF				
		1 IN				
XANST		4 LF				
		2 IN				

APPLICATION EQUIPMENT

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

Trt No

Treatment Application Comment

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

SOYBEAN PREEMERGENCE

Trial ID: S8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPHOE
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPHOE
1	BAS 656	6	EC	.72	LB A/A	PRE	96	82	0	.96	87	87	0	93	33	57
1	STORM	4	EC	.75	LB A/A	MP										
1	COC		L	1	QT/A	MP										
2	BAS 656	6	EC	.85	LB A/A	PRE	96	85	0	.96	82	87	0	92	40	53
2	STORM	4	EC	.75	LB A/A	MP										
2	COC		L	1	QT/A	MP										
3	BAS 656	6	EC	.72	LB A/A	MP	95	73	0	.95	73	75	0	92	23	47
3	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
4	FRONTIER	6	E	1.3	LB A/A	PRE	95	82	0	.95	85	82	0	90	33	53
4	STORM	4	EC	.75	LB A/A	MP										
4	COC		L	1	QT/A	MP										
5	FRONTIER	6	E	1.3	LB A/A	MP	96	73	0	.96	72	75	0	92	23	40
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
6	DUAL II MAGNUM	7.6	EC	1.2	LB A/A	PRE	99	87	0	.99	93	85	0	95	43	67
6	STORM	4	EC	.75	LB A/A	MP										
6	COC		L	1	QT/A	MP										
7	AXIOM	68	DF	.55	LB A/A	PRE	98	83	0	.98	82	90	0	95	55	57
7	PURSUIT	70	DF	.063	LB A/A	MP										
7	COC		L	1	QT/A	MP										
7	LIQUID N		L	1	QT/A	MP										
8	USA 1999	75	DF	.5	LB A/A	PRE	98	88	0	.98	92	88	0	93	63	80
8	PURSUIT	70	DF	.063	LB A/A	MP										
8	COC		L	1	QT/A	MP										
8	LIQUID N		L	1	QT/A	MP										
9	AXIOM	68	DF	.55	LB A/A	PRE	98	95	0	.98	98	95	0	95	88	92
9	FIRSTRATE	84	W	.016	LB A/A	MP										
9	COC		L	1	QT/A	MP										
9	LIQUID N		L	1	QT/A	MP										
10	AXIOM	68	DF	.55	LB A/A	PRE	96	95	0	.96	96	93	0	95	90	92
10	FIRSTRATE	84	W	.032	LB A/A	MP										
10	COC		L	1	QT/A	MP										

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

SOYBEAN PREEMERGENCE

Trial ID: S8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPHOE
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
11	USA 1999	75	DF	.5	LB A/A	PRE	96	53	0	96	87	60	0	87	20	50
11	AUTHORITY	75	DF	.313	LB A/A	PRE										
12	USA 1999	75	DF	.5	LB A/A	PRE	96	88	0	96	88	90	0	92	77	80
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP										
13	SENCOR	75	DF	.375	LB A/A	PRE	93	88	0	93	90	90	0	90	63	77
13	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP										
14	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	95	90	0	95	92	92	0	68	83	83
15	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	95	92	0	95	90	95	0	75	60	73
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	SEQ										
16	CANOPY	75	DF	.28	LB A/A	PRE	99	92	0	99	90	95	0	95	80	83
16	ROUNDUP ULTRA	4	AS	1	LB A/A	LP										
17	CANOPY	75	DF	.328	LB A/A	PRE	98	67	0	98	67	70	0	92	20	37
17	ASSURE II	.8	EC	.055	LB A/A	MP										
17	COC		L	1	QT/A	MP										
17	LIQUID N		L	1	QT/A	MP										
18	CANOPY	75	DF	.188	LB A/A	PRE	93	85	0	93	88	93	0	90	62	72
18	CLASSIC	25	DF	.005	LB A/A	MP										
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
19	CANOPY	75	DF	.188	LB A/A	PRE	98	85	0	98	87	88	0	93	58	67
19	SYNCHRONY STS	25	DF	.013	LB A/A	MP										
19	ASSURE II	.8	EC	.055	LB A/A	MP										
19	COC		L	1	QT/A	MP										
19	LIQUID N		L	2	QT/A	MP										
20	CANOPY XL						96	72	0	96	91	72	0	93	57	77
20	AUTHORITY	75	DF	.2	LB A/A	PRE										
20	CLASSIC	25	DF	.04	LB A/A	PRE										
20	ASSURE II	.8	EC	.055	LB A/A	MP										
20	COC		L	1	QT/A	MP										
20	LIQUID N		L	2	QT/A	MP										

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

SOYBEAN PREEMERGENCE

Trial ID: S8011 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPOHE
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
21	CANOPY XL						90	93	0	90	93	93	0	90	92	92
21	AUTHORITY	75	DF	.138	LB A/A	PRE										
21	CLASSIC	25	DF	.027	LB A/A	PRE										
21	CLASSIC	25	DF	.005	LB A/A	MP										
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
22	CANOPY XL						57	95	0	57	96	96	0	43	85	87
22	AUTHORITY	75	DF	.138	LB A/A	PRE										
22	CLASSIC	25	DF	.027	LB A/A	PRE										
22	SYNCHRONY STS	25	DF	.013	LB A/A	MP										
22	COC		L	1	QT/A	MP										
22	LIQUID N		L	1	QT/A	MP										
23	COMMAND	3	ME	.75	LB A/A	PRE	95	85	0	95	82	90	0	75	83	70
23	PURSUIT	70	DF	.031	LB A/A	MP										
23	COC		L	1	QT/A	MP										
23	LIQUID N		L	1	QT/A	MP										
24	COMMAND	3	ME	.75	LB A/A	PRE	95	88	0	95	93	93	0	92	65	72
24	FLEXSTAR HL	1.88	CS	.3	LB A/A	MP										
24	COC		L	1	QT/A	MP										
24	LIQUID N		L	1	QT/A	MP										
25	COMMAND	3	ME	.75	LB A/A	PRE	98	87	0	98	75	93	0	93	47	57
25	RAPTOR	1	E	.031	LB A/A	MP										
25	COC		L	1	QT/A	MP										
25	LIQUID N		L	1	QT/A	MP										
26	COMMAND	3	ME	.75	LB A/A	PRE	99	90	0	99	88	95	0	95	67	65
26	FIRSTRATE	84	W	.016	LB A/A	MP										
26	COC		L	1	QT/A	MP										
27	COMMAND	3	ME	.75	LB A/A	PRE	96	92	0	96	92	83	0	93	47	53
27	SYNCHRONY STS	25	DF	.013	LB A/A	MP										
27	COC		L	1	QT/A	MP										
27	LIQUID N		L	1	QT/A	MP										
28	COMMAND	3	ME	.75	LB A/A	PRE	98	95	0	98	98	95	0	95	90	93
28	SULFENTRAZONE	75	DF	.25	LB A/A	PRE										
28	FIRSTRATE	84	W	.016	LB A/A	MP										
28	COC		L	1	QT/A	MP										

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

SOYBEAN PREEMERGENCE

Trial ID: S8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPHOE
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPHOE
29	COMMAND	3	ME	.75	LB A/A	PRE	98	92	0	98	96	90	0	95	82	92
29	AUTHORITY BROADLEAF															
29	AUTHORITY	75	DF	.1875	LB A/A	PRE										
29	CLASSIC	25	DF	.0375	LB A/A	PRE										
30	AUTHORITY BROADLEAF						96	72	0	96	90	73	0	93	43	70
30	AUTHORITY	75	DF	.2	LB A/A	PRE										
30	CLASSIC	25	DF	.04	LB A/A	PRE										
30	MATADOR	.88	E	.052	LB A/A	MP										
30	COC		L	1	QT/A	MP										
31	COMMAND	3	ME	.75	LB A/A	PRE	98	93	0	98	96	92	0	95	80	91
31	SULFENTRAZONE	75	DF	.25	LB A/A	PRE										
31	FIRSTRATE	84	W	.032	LB A/A	PRE										
32	SULFENTRAZONE	75	DF	.25	LB A/A	PRE	98	92	0	98	95	93	0	95	88	91
32	MATADOR	.88	E	.052	LB A/A	MP										
32	SKIRMISH	25	DF	.008	LB A/A	MP										
32	COC		L	1	QT/A	MP										
33	COMMAND	3	ME	.5	LB A/A	PRE	95	73	0	95	73	77	0	92	53	62
33	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
34	COMMAND	3	ME	.75	LB A/A	PRE	98	63	0	98	70	63	0	93	40	60
34	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
35	COMMAND	3	ME	.5	LB A/A	PRE	95	72	0	95	57	80	0	93	57	58
35	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
35	SKIRMISH	25	DF	.004	LB A/A	MP										
36	COMMAND	3	ME	.75	LB A/A	PRE	96	40	0	96	63	40	0	93	13	47
36	AUTHORITY BROADLEAF															
36	AUTHORITY	75	DF	.2	LB A/A	PRE										
36	CLASSIC	25	DF	.04	LB A/A	PRE										
37	AUTHORITY BROADLEAF						93	92	0	93	92	92	0	93	73	80
37	AUTHORITY	75	DF	.2	LB A/A	PRE										
37	CLASSIC	25	DF	.04	LB A/A	PRE										
37	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										

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

SOYBEAN PREEMERGENCE

Trial ID: S8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPOHE
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPOHE
38	AUTHORITY BROADLEAF						92	88	0	92	90	90	0	92	80	87
38	AUTHORITY	75	DF	.117	LB A/A	PRE										
38	CLASSIC	25	DF	.024	LB A/A	PRE										
38	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
39	AUTHORITY BROADLEAF						98	95	0	98	94	96	0	95	52	71
39	AUTHORITY	75	DF	.2	LB A/A	PRE										
39	CLASSIC	25	DF	.04	LB A/A	PRE										
39	ROUNDUP ULTRA	4	AS	1	LB A/A	LP										
40	SULFENTRAZONE	75	DF	.25	LB A/A	PRE	95	90	0	95	95	90	0	93	53	66
40	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
40	SKIRMISH	25	DF	.004	LB A/A	MP										
41	COMMAND	3	ME	.5	LB A/A	PRE	98	93	0	98	96	92	0	96	90	92
41	SULFENTRAZONE	75	DF	.25	LB A/A	PRE										
41	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
42	SQUADRON	2.33	EC	.87	LB A/A	PRE	98	88	0	98	88	88	0	93	77	77
42	PROWL	3.3	EC	.5	LB A/A	PRE										
43	PROWL	3.3	EC	1.24	LB A/A	PRE	98	87	0	98	93	85	0	93	77	67
43	PURSUIT	70	DF	.063	LB A/A	MP										
43	COC		L	.5	QT/A	MP										
43	LIQUID N		L	1	QT/A	MP										
44	STRONGARM	82.2	WG	.024	LB A/A	PRE	96	53	0	96	90	90	0	93	77	87
44	SELECT	2	EC	.094	LB A/A	MP										
44	COC		L	1	QT/A	MP										
45	FIRSTRATE	84	W	.032	LB A/A	PRE	95	47	0	95	50	47	0	92	47	48
45	SELECT	2	EC	.094	LB A/A	MP										
45	COC		L	1	QT/A	MP										
46	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	96	87	0	96	82	93	0	95	85	83
47	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	99	87	0	99	87	88	0	95	87	85
47	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP										
48	WEEDY CHECK						0	0	0	0	0	0	0	0	0	0

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

SOYBEAN PREEMERGENCE

Trial ID: S8011
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	IPOHE	XANST	GLXMA	SETFA	XANST	IPOHE
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Rate Unit	Grow Stg										
LSD (P=.05)				5.9			12.9		0.0	5.9	11.1	13.7	0.0	16.5	37.6	36.3
Standard Deviation				3.7			8.0		0.0	3.7	6.9	8.5	0.0	10.2	23.3	22.4
CV				3.93			9.9		0.0	3.93	8.15	10.15	0.0	11.47	38.48	32.26

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

SOYBEAN PREEMERGENCE

Trial ID: S8011 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40526
Trial Status: COMPLETE Initiation Date: 5-5-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.IPOHE IVYLEAF MG
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 5-15-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 4 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-1-98			
Time of Day:	4:00 PM	1:00 PM	4:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	72 F			
% Relative Humidity:	60	90	80			
Wind Velocity, Unit:	3 MPH	2 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	58 F	68 F	75 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		4 TRF				
		6 IN				

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

SOYBEAN PREEMERGENCE

Trial ID: S8011 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF	3 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 IN	4 IN	4 IN			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

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

SOYBEAN PREEMERGENCE II

Trial ID: S8011-2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
1	BAS 656	6	EC	.72	LB A/A	PRE	100	97	10	100	97	100	0	93	90	95
1	STORM	4	EC	.75	LB A/A	MP										
1	COC		L	1	QT/A	MP										
2	BAS 656	6	EC	.85	LB A/A	PRE	100	97	13	100	97	100	0	98	93	100
2	STORM	4	EC	.75	LB A/A	MP										
2	COC		L	1	QT/A	MP										
3	BAS 656	6	EC	.72	LB A/A	MP	98	90	3	98	95	98	0	98	88	100
3	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
4	FRONTIER	6	E	1.3	LB A/A	PRE	100	95	18	100	97	100	0	100	92	100
4	STORM	4	EC	.75	LB A/A	MP										
4	COC		L	1	QT/A	MP										
5	FRONTIER	6	E	1.3	LB A/A	MP	100	88	3	100	95	98	0	100	90	95
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
6	DUAL II MAGNUM	7.6	EC	1.2	LB A/A	PRE	100	95	3	100	97	100	0	100	92	100
6	STORM	4	EC	.75	LB A/A	MP										
6	COC		L	1	QT/A	MP										
7	AXIOM	68	DF	.55	LB A/A	PRE	100	90	12	100	95	98	0	100	95	98
7	PURSUIT	70	DF	.063	LB A/A	MP										
7	COC		L	1	QT/A	MP										
7	LIQUID N		L	1	QT/A	MP										
8	USA 1999	75	DF	.5	LB A/A	PRE	100	88	13	100	97	100	0	100	92	100
8	PURSUIT	70	DF	.063	LB A/A	MP										
8	COC		L	1	QT/A	MP										
8	LIQUID N		L	1	QT/A	MP										
9	AXIOM	68	DF	.55	LB A/A	PRE	98	93	0	98	97	100	0	98	97	100
9	FIRSTRATE	84	W	.016	LB A/A	MP										
9	COC		L	1	QT/A	MP										
9	LIQUID N		L	1	QT/A	MP										
10	AXIOM	68	DF	.55	LB A/A	PRE	100	85	0	98	92	100	0	98	92	100
10	FIRSTRATE	84	W	.032	LB A/A	MP										
10	COC		L	1	QT/A	MP										

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

SOYBEAN PREEMERGENCE II

Trial ID: S8011-2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
11	USA 1999	75	DF	.5	LB A/A	PRE	100	98	0	100	98	100	0	100	97	100
11	AUTHORITY	75	DF	.313	LB A/A	PRE										
12	USA 1999	75	DF	.5	LB A/A	PRE	98	85	0	98	90	100	0	98	75	100
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP										
13	SENCOR	75	DF	.375	LB A/A	PRE	93	78	0	93	90	98	0	87	77	98
13	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP										
14	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	0	0	0	0	67	0	0	0	67
15	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	0	0	0	0	67	0	0	0	67
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	SEQ										
16	CANOPY	75	DF	.28	LB A/A	PRE	92	92	0	92	95	100	0	85	90	100
16	ROUNDUP ULTRA	4	AS	1	LB A/A	LP										
17	CANOPY	75	DF	.328	LB A/A	PRE	100	95	0	100	98	100	0	100	97	100
17	ASSURE II	.8	EC	.055	LB A/A	MP										
17	COC		L	1	QT/A	MP										
17	LIQUID N		L	1	QT/A	MP										
18	CANOPY	75	DF	.188	LB A/A	PRE	100	97	0	100	100	100	0	100	100	100
18	CLASSIC	25	DF	.005	LB A/A	MP										
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
19	CANOPY	75	DF	.188	LB A/A	PRE	98	95	3	98	97	100	0	98	97	100
19	SYNCHRONY STS	25	DF	.013	LB A/A	MP										
19	ASSURE II	.8	EC	.055	LB A/A	MP										
19	COC		L	1	QT/A	MP										
19	LIQUID N		L	2	QT/A	MP										
20	CANOPY XL						100	100	0	100	100	100	0	100	100	100
20	AUTHORITY	75	DF	.2	LB A/A	PRE										
20	CLASSIC	25	DF	.04	LB A/A	PRE										
20	ASSURE II	.8	EC	.055	LB A/A	MP										
20	COC		L	1	QT/A	MP										
20	LIQUID N		L	2	QT/A	MP										

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Weed Science Field Research

SOYBEAN PREEMERGENCE II

Trial ID: S8011-2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
21	CANOPY XL						100	98	0	100	98	100	0	100	98	100
21	AUTHORITY	75	DF	.138	LB A/A	PRE										
21	CLASSIC	25	DF	.027	LB A/A	PRE										
21	CLASSIC	25	DF	.005	LB A/A	MP										
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
22	CANOPY XL						92	97	0	92	97	100	0	88	90	100
22	AUTHORITY	75	DF	.138	LB A/A	PRE										
22	CLASSIC	25	DF	.027	LB A/A	PRE										
22	SYNCHRONY STS	25	DF	.013	LB A/A	MP										
22	COC		L	1	QT/A	MP										
22	LIQUID N		L	1	QT/A	MP										
23	COMMAND	3	ME	.75	LB A/A	PRE	100	92	0	100	95	100	0	98	92	100
23	PURSUIT	70	DF	.031	LB A/A	MP										
23	COC		L	1	QT/A	MP										
23	LIQUID N		L	1	QT/A	MP										
24	COMMAND	3	ME	.75	LB A/A	PRE	100	100	3	100	100	100	0	98	100	100
24	FLEXSTAR HL	1.88	CS	.3	LB A/A	MP										
24	COC		L	1	QT/A	MP										
24	LIQUID N		L	1	QT/A	MP										
25	COMMAND	3	ME	.75	LB A/A	PRE	98	82	5	98	93	100	0	98	92	100
25	RAPTOR	1	E	.031	LB A/A	MP										
25	COC		L	1	QT/A	MP										
25	LIQUID N		L	1	QT/A	MP										
26	COMMAND	3	ME	.75	LB A/A	PRE	100	90	0	100	97	98	0	100	97	95
26	FIRSTRATE	84	W	.016	LB A/A	MP										
26	COC		L	1	QT/A	MP										
27	COMMAND	3	ME	.75	LB A/A	PRE	98	87	0	98	97	100	0	98	97	100
27	SYNCHRONY STS	25	DF	.013	LB A/A	MP										
27	COC		L	1	QT/A	MP										
27	LIQUID N		L	1	QT/A	MP										
28	COMMAND	3	ME	.75	LB A/A	PRE	100	98	0	100	98	100	0	100	98	100
28	SULFENTRAZONE	75	DF	.25	LB A/A	PRE										
28	FIRSTRATE	84	W	.016	LB A/A	MP										
28	COC		L	1	QT/A	MP										

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SOYBEAN PREEMERGENCE II

Trial ID: S8011-2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
29	COMMAND	3	ME	.75	LB A/A	PRE	100	100	0	100	100	100	0	100	98	100
29	AUTHORITY BROADLEAF															
29	AUTHORITY	75	DF	.1875	LB A/A	PRE										
29	CLASSIC	25	DF	.0375	LB A/A	PRE										
30	AUTHORITY BROADLEAF						100	100	0	100	100	100	0	100	98	100
30	AUTHORITY	75	DF	.2	LB A/A	PRE										
30	CLASSIC	25	DF	.04	LB A/A	PRE										
30	MATADOR	.88	E	.052	LB A/A	MP										
30	COC		L	1	QT/A	MP										
31	COMMAND	3	ME	.75	LB A/A	PRE	100	97	0	100	98	100	0	100	100	100
31	SULFENTRAZONE	75	DF	.25	LB A/A	PRE										
31	FIRSTRATE	84	W	.032	LB A/A	PRE										
32	SULFENTRAZONE	75	DF	.25	LB A/A	PRE	100	98	0	100	100	100	0	100	100	100
32	MATADOR	.88	E	.052	LB A/A	MP										
32	SKIRMISH	25	DF	.008	LB A/A	MP										
32	COC		L	1	QT/A	MP										
33	COMMAND	3	ME	.5	LB A/A	PRE	100	88	0	100	97	100	0	100	92	95
33	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
34	COMMAND	3	ME	.75	LB A/A	PRE	100	85	0	100	95	98	0	100	95	98
34	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
35	COMMAND	3	ME	.5	LB A/A	PRE	98	92	0	97	95	100	0	98	93	100
35	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
35	SKIRMISH	25	DF	.004	LB A/A	MP										
36	COMMAND	3	ME	.75	LB A/A	PRE	100	100	0	100	100	100	0	97	95	100
36	AUTHORITY BROADLEAF															
36	AUTHORITY	75	DF	.2	LB A/A	PRE										
36	CLASSIC	25	DF	.04	LB A/A	PRE										
37	AUTHORITY BROADLEAF						100	100	3	100	100	100	0	100	97	100
37	AUTHORITY	75	DF	.2	LB A/A	PRE										
37	CLASSIC	25	DF	.04	LB A/A	PRE										
37	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										

Dept. of Agronomy, Univ. of KY
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SOYBEAN PREEMERGENCE II

Trial ID: S8011-2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
38	AUTHORITY BROADLEAF						100	100	0	100	100	100	0	100	98	100
38	AUTHORITY	75	DF	.117	LB A/A	PRE										
38	CLASSIC	25	DF	.024	LB A/A	PRE										
38	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
39	AUTHORITY BROADLEAF						95	98	0	95	98	100	0	92	97	100
39	AUTHORITY	75	DF	.2	LB A/A	PRE										
39	CLASSIC	25	DF	.04	LB A/A	PRE										
39	ROUNDUP ULTRA	4	AS	1	LB A/A	LP										
40	SULFENTRAZONE	75	DF	.25	LB A/A	PRE	100	100	0	100	100	100	0	100	100	100
40	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
40	SKIRMISH	25	DF	.004	LB A/A	MP										
41	COMMAND	3	ME	.5	LB A/A	PRE	100	100	0	100	100	100	0	100	97	100
41	SULFENTRAZONE	75	DF	.25	LB A/A	PRE										
41	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
42	SQUADRON	2.33	EC	.87	LB A/A	PRE	100	90	2	100	93	100	0	100	93	100
42	PROWL	3.3	EC	.5	LB A/A	PRE										
43	PROWL	3.3	EC	1.24	LB A/A	PRE	98	88	3	98	95	100	0	98	93	100
43	PURSUIT	70	DF	.063	LB A/A	MP										
43	COC		L	.5	QT/A	MP										
43	LIQUID N		L	1	QT/A	MP										
44	STRONGARM	82.2	WG	.024	LB A/A	PRE	98	93	0	100	95	100	0	100	95	100
44	SELECT	2	EC	.094	LB A/A	MP										
44	COC		L	1	QT/A	MP										
45	FIRSTRATE	84	W	.032	LB A/A	PRE	93	95	0	93	95	100	0	92	93	100
45	SELECT	2	EC	.094	LB A/A	MP										
45	COC		L	1	QT/A	MP										
46	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	0	0	0	100	100	0	0	0	100
47	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	100	83	0	100	90	98	0	100	80	93
47	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP										
48	WEEDY CHECK						0	0	0	0	0	100	0	0	0	100

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

SOYBEAN PREEMERGENCE II

Trial ID: S8011-2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	AMACH	GLXMA	SETFA	XANST	AMACH
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
	LSD (P=.05)	3.7	5.6	5.7	3.9	5.2	18.8	0.0	6.2	6.5	19.1
	Standard Deviation	2.3	3.4	3.5	2.4	3.2	11.6	0.0	3.8	4.0	11.8
	CV	2.52	4.03	175.45	2.65	3.63	11.81	0.0	4.24	4.64	12.08

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

SOYBEAN PREEMERGENCE II

Trial ID: S8011-2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK Postal Code: 40526
Affiliation: UNIVERSITY OF KENTUCKY

Trial Status: COMPLETE Initiation Date: 5-18-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMACH SMOOTH PIGWEED 3.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-18-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: NORMAL Emergence Date: 5-26-98

Plot Width, Unit: 5 FT Plot Length, Unit: 27 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 4 % Silt: 64 % Clay: 30
pH: 6.3 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-18-98	6-6-98	6-14-98			
Time of Day:	5:00 PM	3:00 PM	1:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	68 F	59 F	68 F			
% Relative Humidity:	70	60	80			
Wind Velocity, Unit:	2 MPH	3 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	68 F	68 F	73 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA		2 TRI	4 TRI			
		4 IN	7 IN			

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

SOYBEAN PREEMERGENCE II

Trial ID: S8011-2

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		1 LF	2 LF			
		2 IN	4 IN			
AMACH		4 LF	8 LF			
		2 IN	5 IN			
XANST		6 LF	8 LF			
		4 IN	7 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 IN	4 IN	4 IN			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No

Treatment Application Comment

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

SOYBEAN POSTEMERGENCE

Trial ID: S8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
1	PYTHON	80	WG	.063	LB A/A	PRE	0	13	0	0	13	97	0	0	13	97
2	FRONTIER	6	E	1.2	LB A/A	PRE	65	63	3	65	98	67	3	65	98	63
2	PYTHON	80	WG	.063	LB A/A	PRE										
2	FIRSTRATE	84	W	.016	LB A/A	MP										
2	COC		L	1	QT/A	MP										
3	PYTHON	80	WG	.063	LB A/A	PRE	87	90	0	88	93	100	0	88	93	100
3	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
4	FRONTIER	6	E	1.2	LB A/A	PRE	95	93	0	95	98	100	0	95	93	98
4	PYTHON	80	WG	.063	LB A/A	PRE										
4	STRONGARM	82.2	WG	.008	LB A/A	PRE										
5	FRONTIER	6	E	1.2	LB A/A	PRE	97	93	0	97	95	100	0	97	97	97
5	PYTHON	80	WG	.063	LB A/A	PRE										
5	STRONGARM	82.2	WG	.008	LB A/A	PRE										
5	FIRSTRATE	84	W	.016	LB A/A	MP										
5	COC		L	1	QT/A	MP										
6	PYTHON	80	WG	.063	LB A/A	PRE	90	95	0	90	97	100	0	90	97	100
6	STRONGARM	82.2	WG	.008	LB A/A	PRE										
6	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
7	FRONTIER	6	E	1.2	LB A/A	PRE	97	28	2	97	28	97	2	97	25	97
7	PYTHON	80	WG	.063	LB A/A	PRE										
8	PYTHON	80	WG	.063	LB A/A	PRE	85	97	0	88	97	100	0	90	95	98
8	FIRSTRATE	84	W	.016	LB A/A	MP										
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
9	STRONGARM	82.2	WG	.024	LB A/A	PRE	23	27	0	23	98	97	0	23	98	97
10	FRONTIER	6	E	1.2	LB A/A	PRE	97	93	2	97	95	100	2	97	95	95
10	STRONGARM	82.2	WG	.024	LB A/A	PRE										
10	FIRSTRATE	84	W	.016	LB A/A	IFN										
10	COC		L	1	QT/A	IFN										
11	STRONGARM	82.2	WG	.016	LB A/A	PRE	92	85	0	92	97	100	0	92	97	100
11	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										

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

SOYBEAN POSTEMERGENCE

Trial ID: S8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
12	STRONGARM	82.2	WG	.024	LB A/A	PRE	92	92	0	93	98	98	0	95	98	98
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP										
13	FRONTIER	6	E	1.2	LB A/A	PRE	97	60	0	97	100	60	0	97	97	47
13	FIRSTRATE	84	W	.016	LB A/A	MP										
13	COC		L	1	QT/A	MP										
13	PINNACLE	25	DF	.004	LB A/A	IFN										
13	INDUCE			.25	% V/V	IFN										
14	FRONTIER	6	E	1.2	LB A/A	PRE	98	47	2	98	95	47	2	98	95	27
14	FIRSTRATE	84	W	.024	LB A/A	MP										
14	COC		L	1	QT/A	MP										
14	PINNACLE	25	DF	.004	LB A/A	IFN										
14	INDUCE			.25	% V/V	IFN										
15	FIRSTRATE	84	W	.016	LB A/A	MP	85	92	0	87	93	95	0	88	93	92
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
16	FIRSTRATE	84	W	.016	LB A/A	MP	95	68	7	95	97	68	7	93	97	65
16	BLAZER	2	L	.25	LB A/A	MP										
16	SELECT	2	EC	.188	LB A/A	MP										
16	COC		L	1.2	QT/A	MP										
17	FRONTIER	6	E	1.2	LB A/A	PRE	97	93	2	97	95	98	2	97	92	95
17	FIRSTRATE	84	W	.031	LB A/A	PRE										
18	FRONTIER	6	E	1.2	LB A/A	PRE	97	92	0	97	95	100	0	95	93	100
18	FIRSTRATE	84	W	.039	LB A/A	PRE										
19	FRONTIER	6	E	1.2	LB A/A	PRE	93	90	3	93	98	90	3	93	98	85
19	FRONTROW															
19	CLORANSULAM	84	W	.016	LB A/A	MP										
19	FLUMETSULAM	80	WG	.006	LB A/A	MP										
19	COC		L	1.2	QT/A	MP										
20	FRONTIER	6	E	1.2	LB A/A	PRE	98	95	15	98	95	98	15	97	95	90
20	FRONTROW															
20	CLORANSULAM	84	W	.016	LB A/A	MP										
20	FLUMETSULAM	80	WG	.006	LB A/A	MP										
20	BLAZER	2	L	.25	LB A/A	MP										
20	COC		L	1.2	QT/A	MP										

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

SOYBEAN POSTEMERGENCE

Trial ID: S8014
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code										
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
21	FRONTROW						92	95	0	93	98	98	0	93	98	95
21	CLORANSULAM	84	W	.016	LB A/A	MP										
21	FLUMETSULAM	80	WG	.006	LB A/A	MP										
21	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP										
22	FRONTROW						93	87	3	95	98	90	3	95	97	87
22	CLORANSULAM	84	W	.016	LB A/A	MP										
22	FLUMETSULAM	80	WG	.006	LB A/A	MP										
22	BLAZER	2	L	.25	LB A/A	MP										
22	SELECT	2	EC	.188	LB A/A	MP										
22	COC		L	1.2	QT/A	MP										
23	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	90	90	0	90	97	98	0	92	97	98
24	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	93	90	0	93	95	98	0	93	95	98
24	ROUNDUP ULTRA	4	AS	.5	LB A/A	REG										
LSD (P=.05)							23.3	35.0	4.9	23.0	16.4	31.6	4.9	23.1	15.2	30.5
Standard Deviation							14.1	21.2	3.0	13.9	10.0	19.2	3.0	14.0	9.2	18.5
CV							16.53	27.26	186.38	16.24	11.04	20.95	186.38	16.33	10.3	20.96

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

SOYBEAN POSTEMERGENCE

Trial ID: S8014 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40526
Trial Status: COMPLETE Initiation Date: 5-5-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.IPOHE IVYLEAF MG
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 5-15-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL. Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-1-98			
Time of Day:	3:00 PM	2:00 PM	11:00 AM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	72 F			
% Relative Humidity:	80	90	80			
Wind Velocity, Unit:	2 MPH	2 MPH	3 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 F	68 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

GLXMA	A	B	C	D	E	F
		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

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SOYBEAN POSTEMERGENCE

Trial ID: S8014 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF	3 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 IN	4 IN	4 IN			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMERGENCE II

Trial ID: S8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
1	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP	0	100	100	100	0	93	95	98
2	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP	0	100	97	100	0	92	93	98
2	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP								
3	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	0	93	97	100	0	85	85	97
4	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	100	98	100	0	93	93	100
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	SEQ								
5	DUAL II MAGNUM	7.6	EC	.64	LB A/A	PRE	3	100	95	100	3	98	85	98
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
6	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	100	95	100	0	98	80	97
6	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
7	DUAL II MAGNUM	7.6	EC	.64	LB A/A	PRE	0	98	97	100	0	95	92	100
7	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
7	EXPERT	57	WG	.07	LB A/A	MP								
8	BROADSTRIKE + DUAL S	7.75	SC	2.16	LB A/A	PRE	0	100	98	100	0	98	97	100
8	EXPERT	57	WG	.07	LB A/A	MP								
8	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
9	BROADSTRIKE + DUAL S	7.75	SC	2.16	LB A/A	PRE	0	100	97	100	0	98	93	100
9	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
10	EXPERT	57	WG	.07	LB A/A	MP	0	100	95	100	0	93	93	100
10	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
11	EXPERT	57	WG	.036	LB A/A	MP	0	100	98	100	0	95	97	100
11	ROUNDUP ULTRA	4	AS	.375	LB A/A	MP								
11	EXPERT	57	WG	.036	LB A/A	LP								
11	ROUNDUP ULTRA	4	AS	.375	LB A/A	LP								

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

SOYBEAN POSTEMERGENCE II

Trial ID: S8015

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
Rating Unit	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0
Footnote Number								
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
12	AUTHORITY FIRST	75	DF	.188	LB A/A	PRE	0	100	100	100	0	98	95	100
12	SYNCHRONY STS	42	DF	.013	LB A/A	MP								
12	COC		L	1	QT/A	MP								
12	LIQUID N		L	2	QT/A	MP								
12	ASSURE II	.8	EC	.055	LB A/A	+1WK								
12	COC		L	1	QT/A	+1WK								
12	LIQUID N		L	2	QT/A	+1WK								
13	AUTHORITY FIRST	75	DF	.24	LB A/A	PRE	0	100	100	100	0	98	97	100
13	SYNCHRONY STS	42	DF	.013	LB A/A	MP								
13	COC		L	1	QT/A	MP								
13	LIQUID N		L	2	QT/A	MP								
13	ASSURE II	.8	EC	.055	LB A/A	+1WK								
13	COC		L	1	QT/A	+1WK								
13	LIQUID N		L	2	QT/A	+1WK								
14	CANOPY XL						0	100	100	100	0	95	98	100
14	AUTHORITY	75	DF	.4	LB A/A	PRE								
14	CLASSIC	25	DF	.04	LB A/A	PRE								
14	ROUNDUP ULTRA	4	AS	1	LB A/A	MP								
14	AMS	100	SG	17	LB A/100 GAL	MP								
15	CANOPY	75	DF	.188	LB A/A	PRE	0	97	98	100	0	88	92	100
15	ROUNDUP ULTRA	4	AS	1	LB A/A	MP								
15	AMS	100	SG	17	LB A/100 GAL	MP								
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP	0	98	98	100	0	93	95	100
16	AMS	100	SG	17	LB A/100 GAL	MP								
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
16	AMS	100	SG	17	LB A/100 GAL	LP								
17	CLASSIC	25	DF	.005	LB A/A	LP	0	100	98	93	0	97	97	95
17	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP								
17	AMS	100	SG	17	LB A/100 GAL	LP								
18	CLASSIC	25	DF	.005	LB A/A	LP	0	100	100	98	0	97	97	98
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
18	AMS	100	SG	17	LB A/100 GAL	LP								

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMERGENCE II

Trial ID: S8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
Rating Unit	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0
Footnote Number								
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg								
19	CLASSIC	25	DF	.005	LB A/A	LP	0	100	100	100	0	95	95	100
19	ROUNDUP ULTRA	4	AS	1	LB A/A	LP								
19	AMS	100	SG	17	LB A/100 GAL	LP								
20	CLASSIC	25	DF	.005	LB A/A	LP	0	100	98	97	0	95	95	97
20	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP								
20	AMS	100	SG	17	LB A/100 GAL	LP								
20	ROUNDUP ULTRA	4	AS	.5	LB A/A	+3WK								
20	AMS	100	SG	17	LB A/100 GAL	+3WK								
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP	0	100	98	100	0	93	97	100
21	AMS	100	SG	17	LB A/100 GAL	LP								
21	ROUNDUP ULTRA	4	AS	.5	LB A/A	+3WK								
21	AMS	100	SG	17	LB A/100 GAL	+3WK								
22	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	7	100	100	98	7	95	97	97
22	AMS	100	SG	17	LB A/100 GAL	LP								
LSD (P=.05)							4.5	2.0	4.0	2.0	4.5	4.6	8.1	2.9
Standard Deviation							2.7	1.2	2.4	1.2	2.7	2.8	4.9	1.8
CV							593.88	1.22	2.48	1.24	593.88	2.91	5.26	1.79

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMERGENCE II

Trial ID: S8015

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP	0	93	95	98
2	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP	0	92	92	98
2	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP				
3	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	0	87	85	97
4	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	93	92	100
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	SEQ				
5	DUAL II MAGNUM	7.6	EC	.64	LB A/A	PRE	3	98	78	98
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
6	DUAL II MAGNUM	7.6	EC	1.27	LB A/A	PRE	0	98	77	95
6	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
7	DUAL II MAGNUM	7.6	EC	.64	LB A/A	PRE	0	95	90	100
7	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
7	EXPERT	57	WG	.07	LB A/A	MP				
8	BROADSTRIKE + DUAL S	7.75	SC	2.16	LB A/A	PRE	0	98	97	98
8	EXPERT	57	WG	.07	LB A/A	MP				
8	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
9	BROADSTRIKE + DUAL S	7.75	SC	2.16	LB A/A	PRE	0	98	90	98
9	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
10	EXPERT	57	WG	.07	LB A/A	MP	0	93	93	100
10	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
11	EXPERT	57	WG	.036	LB A/A	MP	0	95	97	100
11	ROUNDUP ULTRA	4	AS	.375	LB A/A	MP				
11	EXPERT	57	WG	.036	LB A/A	LP				
11	ROUNDUP ULTRA	4	AS	.375	LB A/A	LP				

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SOYBEAN POSTEMERGENCE II

Trial ID: S8015

Investigator:

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Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
12	AUTHORITY FIRST	75	DF	.188	LB A/A	PRE	0	98	95	100
12	SYNCHRONY STS	42	DF	.013	LB A/A	MP				
12	COC		L	1	QT/A	MP				
12	LIQUID N		L	2	QT/A	MP				
12	ASSURE II	.8	EC	.055	LB A/A	+1WK				
12	COC		L	1	QT/A	+1WK				
12	LIQUID N		L	2	QT/A	+1WK				
13	AUTHORITY FIRST	75	DF	.24	LB A/A	PRE	0	98	97	100
13	SYNCHRONY STS	42	DF	.013	LB A/A	MP				
13	COC		L	1	QT/A	MP				
13	LIQUID N		L	2	QT/A	MP				
13	ASSURE II	.8	EC	.055	LB A/A	+1WK				
13	COC		L	1	QT/A	+1WK				
13	LIQUID N		L	2	QT/A	+1WK				
14	CANOPY XL						0	95	98	100
14	AUTHORITY	75	DF	.4	LB A/A	PRE				
14	CLASSIC	25	DF	.04	LB A/A	PRE				
14	ROUNDUP ULTRA	4	AS	1	LB A/A	MP				
14	AMS	100	SG	17	LB A/100 GAL	MP				
15	CANOPY	75	DF	.188	LB A/A	PRE	0	88	92	100
15	ROUNDUP ULTRA	4	AS	1	LB A/A	MP				
15	AMS	100	SG	17	LB A/100 GAL	MP				
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP	0	93	93	100
16	AMS	100	SG	17	LB A/100 GAL	MP				
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
16	AMS	100	SG	17	LB A/100 GAL	LP				
17	CLASSIC	25	DF	.005	LB A/A	LP	0	97	95	95
17	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP				
17	AMS	100	SG	17	LB A/100 GAL	LP				
18	CLASSIC	25	DF	.005	LB A/A	LP	0	97	97	98
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
18	AMS	100	SG	17	LB A/100 GAL	LP				

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

SOYBEAN POSTEMERGENCE II

Trial ID: S8015
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
19	CLASSIC	25	DF	.005	LB A/A	LP	0	95	93	100
19	ROUNDUP ULTRA	4	AS	1	LB A/A	LP				
19	AMS	100	SG	17	LB A/100 GAL	LP				
20	CLASSIC	25	DF	.005	LB A/A	LP	0	95	95	97
20	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP				
20	AMS	100	SG	17	LB A/100 GAL	LP				
20	ROUNDUP ULTRA	4	AS	.5	LB A/A	+3WK				
20	AMS	100	SG	17	LB A/100 GAL	+3WK				
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP	0	93	95	100
21	AMS	100	SG	17	LB A/100 GAL	LP				
21	ROUNDUP ULTRA	4	AS	.5	LB A/A	+3WK				
21	AMS	100	SG	17	LB A/100 GAL	+3WK				
22	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	7	95	97	97
22	AMS	100	SG	17	LB A/100 GAL	LP				
LSD (P=.05)							4.5	4.6	9.0	3.6
Standard Deviation							2.7	2.8	5.4	2.2
CV							593.88	2.94	5.88	2.2

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

SOYBEAN POSTEMERGENCE II

Trial ID: S8015 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-5-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.IPOHE IVYLEAF MG
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 5-16-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-1-98			
Time of Day:	3:00 PM	2:00 PM	10:00 AM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP & +1WK			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	70 F			
% Relative Humidity:	80	90	80			
Wind Velocity, Unit:	2 MPH	2 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 F	68 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

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Weed Science Field Research

SOYBEAN POSTEMERGENCE II

Trial ID: S8015

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		1 LF	3 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 IN	4 IN	4 IN			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No

Treatment Application Comment

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMEREGENCE III

Trial ID: S8016
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
1	RAPTOR	1	E	.032	LB A/A	MP	2	93	93	98	2	80	88	97
1	INDUCE			.25	% V/V	MP								
1	AMS	100	SG	2.5	LB/A	MP								
2	RAPTOR	1	E	.04	LB A/A	MP	5	98	95	97	5	93	90	97
2	INDUCE			.25	% V/V	MP								
2	AMS	100	SG	2.5	LB/A	MP								
3	RAPTOR	1	E	.04	LB A/A	MP	3	97	97	100	3	85	92	98
3	STATUS	2	EC	.1875	LB A/A	MP								
3	INDUCE			.25	% V/V	MP								
3	AMS	100	SG	2.5	LB/A	MP								
4	RAPTOR	1	E	.04	LB A/A	MP	5	98	100	100	5	90	95	98
4	FLEXSTAR HL	1.88	CS	.235	LB A/A	MP								
4	INDUCE			.25	% V/V	MP								
4	AMS	100	SG	2.5	LB/A	MP								
5	RAPTOR	1	E	.04	LB A/A	MP	10	98	97	98	10	93	90	98
5	COBRA	2	EC	.0625	LB A/A	MP								
5	INDUCE			.25	% V/V	MP								
5	AMS	100	SG	2.5	LB/A	MP								
6	PURSUIT	70	DF	.063	LB A/A	MP	3	98	98	73	3	93	93	48
6	INDUCE			.25	% V/V	MP								
6	AMS	100	SG	2.5	LB/A	MP								
7	PURSUIT	70	DF	.063	LB A/A	MP	5	87	97	100	5	62	93	98
7	STATUS	2	EC	.1875	LB A/A	MP								
7	INDUCE			.25	% V/V	MP								
7	AMS	100	SG	2.5	LB/A	MP								
8	PURSUIT	70	DF	.063	LB A/A	MP	5	87	98	100	5	65	98	98
8	FLEXSTAR HL	1.88	CS	.235	LB A/A	MP								
8	INDUCE			.25	% V/V	MP								
8	AMS	100	SG	2.5	LB/A	MP								
9	PURSUIT	70	DF	.063	LB A/A	MP	12	87	98	95	12	57	95	82
9	COBRA	2	EC	.0625	LB A/A	MP								
9	INDUCE			.25	% V/V	MP								
9	AMS	100	SG	2.5	LB/A	MP								

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

SOYBEAN POSTEMEREGENCE III

Trial ID: S8016 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg								
10	PROWL	3.3	EC	1	LB A/A	PRE	0	100	97	100	0	98	93	100
10	PURSUIT	70	DF	.063	LB A/A	MP								
10	INDUCE			.25	% V/V	MP								
10	LIQUID N		L	1	QT/A	MP								
11	PROWL	3.3	EC	1	LB A/A	PRE	2	98	60	97	2	95	60	97
11	RAPTOR	1	E	.032	LB A/A	MP								
11	INDUCE			.25	% V/V	MP								
11	LIQUID N		L	1	QT/A	MP								
12	RAPTOR	1	E	.032	LB A/A	MP	0	95	93	92	0	87	92	93
12	INDUCE			.25	% V/V	MP								
12	LIQUID N		L	1	QT/A	MP								
13	SQUADRON	2.33	EC	.87	LB A/A	PRE	0	100	98	100	0	95	97	100
13	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP								
14	SQUADRON	2.33	EC	.87	LB A/A	PRE	0	100	95	100	0	92	93	97
14	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
15	SCEPTER	70	WG	.125	LB A/A	PRE	0	98	98	100	0	93	97	100
15	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
16	PURSUIT	70	DF	.063	LB A/A	MP	5	100	98	100	5	97	95	98
16	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP								
16	INDUCE			.25	% V/V	MP								
16	LIQUID N		L	1	QT/A	MP								
17	DETAIL	4.1	EC	1.04	LB A/A	PRE	3	100	97	100	3	95	95	97
17	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP								
18	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	0	95	95	98	0	87	92	98
19	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP	0	100	97	100	0	90	93	97
19	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP								
20	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	100	100	100	0	95	92	100
21	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	100	100	100	0	95	93	98
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	SEQ								

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMEREGENCE III

Trial ID: S8016

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Part Rated	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Rating Data Type	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Unit	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Date	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Footnote Number	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
22	CANOPY XL						0	100	98	100	0	97	95	100
22	AUTHORITY	75	DF	.132	LB A/A	PRE								
22	CLASSIC	25	DF	.032	LB A/A	PRE								
22	ASSURE II	.8	EC	.068	LB A/A	MP								
22	CLASSIC	25	DF	.012	LB A/A	MP								
22	COC		L	1	QT/A	MP								
22	AMS	100	SG	2	LB/A	MP								
	LSD (P=.05)						5.2	7.4	18.8	7.8	5.2	22.7	18.8	18.8
	Standard Deviation						3.2	4.5	11.4	4.7	3.2	13.7	11.4	11.4
	CV						116.01	4.66	11.95	4.84	116.01	15.63	12.42	11.97

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMEREGENCE III

Trial ID: S8016

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST	CHEAL
Crop Code	GLXMA			
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	RAPTOR	1	E	.032	LB A/A	MP	0	83	87	97
1	INDUCE			.25	% V/V	MP				
1	AMS	100	SG	2.5	LB/A	MP				
2	RAPTOR	1	E	.04	LB A/A	MP	0	93	88	97
2	INDUCE			.25	% V/V	MP				
2	AMS	100	SG	2.5	LB/A	MP				
3	RAPTOR	1	E	.04	LB A/A	MP	0	85	88	98
3	STATUS	2	EC	.1875	LB A/A	MP				
3	INDUCE			.25	% V/V	MP				
3	AMS	100	SG	2.5	LB/A	MP				
4	RAPTOR	1	E	.04	LB A/A	MP	0	92	95	97
4	FLEXSTAR HL	1.88	CS	.235	LB A/A	MP				
4	INDUCE			.25	% V/V	MP				
4	AMS	100	SG	2.5	LB/A	MP				
5	RAPTOR	1	E	.04	LB A/A	MP	0	93	88	98
5	COBRA	2	EC	.0625	LB A/A	MP				
5	INDUCE			.25	% V/V	MP				
5	AMS	100	SG	2.5	LB/A	MP				
6	PURSUIT	70	DF	.063	LB A/A	MP	0	93	92	50
6	INDUCE			.25	% V/V	MP				
6	AMS	100	SG	2.5	LB/A	MP				
7	PURSUIT	70	DF	.063	LB A/A	MP	2	75	87	97
7	STATUS	2	EC	.1875	LB A/A	MP				
7	INDUCE			.25	% V/V	MP				
7	AMS	100	SG	2.5	LB/A	MP				
8	PURSUIT	70	DF	.063	LB A/A	MP	0	80	97	98
8	FLEXSTAR HL	1.88	CS	.235	LB A/A	MP				
8	INDUCE			.25	% V/V	MP				
8	AMS	100	SG	2.5	LB/A	MP				
9	PURSUIT	70	DF	.063	LB A/A	MP	0	73	95	78
9	COBRA	2	EC	.0625	LB A/A	MP				
9	INDUCE			.25	% V/V	MP				
9	AMS	100	SG	2.5	LB/A	MP				

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

SOYBEAN POSTEMEREGENCE III

Trial ID: S8016 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
10	PROWL	3.3	EC	1	LB A/A	PRE	0	98	92	97
10	PURSUIT	70	DF	.063	LB A/A	MP				
10	INDUCE			.25	% V/V	MP				
10	LIQUID N		L	1	QT/A	MP				
11	PROWL	3.3	EC	1	LB A/A	PRE	2	95	57	97
11	RAPTOR	1	E	.032	LB A/A	MP				
11	INDUCE			.25	% V/V	MP				
11	LIQUID N		L	1	QT/A	MP				
12	RAPTOR	1	E	.032	LB A/A	MP	0	87	92	90
12	INDUCE			.25	% V/V	MP				
12	LIQUID N		L	1	QT/A	MP				
13	SQUADRON	2.33	EC	.87	LB A/A	PRE	0	95	95	100
13	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP				
14	SQUADRON	2.33	EC	.87	LB A/A	PRE	0	92	93	97
14	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
15	SCEPTER	70	WG	.125	LB A/A	PRE	0	93	95	100
15	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
16	PURSUIT	70	DF	.063	LB A/A	MP	0	97	92	98
16	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP				
16	INDUCE			.25	% V/V	MP				
16	LIQUID N		L	1	QT/A	MP				
17	DETAIL	4.1	EC	1.04	LB A/A	PRE	0	95	95	97
17	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP				
18	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	0	88	90	98
19	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP	0	90	93	97
19	ROUNDUP ULTRA	4	AS	.5	LB A/A	LP				
20	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	95	92	100
21	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	95	92	98
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	SEQ				

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

SOYBEAN POSTEMEREGENCE III

Trial ID: S8016 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST	CHEAL
Crop Code	GLXMA			
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
22	CANOPY XL						0	97	95	100
22	AUTHORITY	75	DF	.132	LB A/A	PRE				
22	CLASSIC	25	DF	.032	LB A/A	PRE				
22	ASSURE II	.8	EC	.068	LB A/A	MP				
22	CLASSIC	25	DF	.012	LB A/A	MP				
22	COC		L	1	QT/A	MP				
22	AMS	100	SG	2	LB/A	MP				
LSD (P=.05)							1.5	14.6	18.1	19.1
Standard Deviation							0.9	8.8	11.0	11.6
CV							581.25	9.78	12.16	12.25

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

SOYBEAN POSTEMEREGENCE III

Trial ID: S8016 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40526
Affiliation: University of Kentucky

Trial Status: Complete Initiation Date: 5-5-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.IPOHE IVYLEAF MG
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 5-16-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-1-98			
Time of Day:	3:00 PM	2:00 PM	10:00 AM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	70 F			
% Relative Humidity:	80	90	80			
Wind Velocity, Unit:	2 MPH	2 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 F	68 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

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SOYBEAN POSTEMEREGENCE III

Trial ID: S8016 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		1 LF	3 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

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SOYBEAN POSTEMERGENCE IV

Trial ID: S8024
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	POLPY	XANST	CHEAL	GLXMA	SETFA	POLPY	XANST	CHEAL
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0	0
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	0	88	95	92	97	0	82	93	85	92
2	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	2	100	97	98	100	0	95	97	97	100
3	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	2	98	97	98	100	2	97	97	97	100
3	ROUNDUP ULTRA	4	AS	.5	LB A/A	IFN										
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	93	93	88	97	0	90	92	87	92
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	IFN										
5	FUSION	2.66	EC	.21	LB A/A	MP	12	100	98	97	93	8	100	98	95	88
5	FLEXSTAR HL	1.88	CS	.352	LB A/A	MP										
5	MSO		L	1	QT/A	MP										
6	FUSION	2.66	EC	.21	LB A/A	MP	8	97	97	95	92	3	97	97	95	88
6	REFLEX	2	EC	.375	LB A/A	MP										
6	MSO		L	1	QT/A	MP										
7	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	12	80	98	93	98	8	45	98	82	98
7	STORM	4	EC	.5	LB A/A	MP										
7	COC		L	1	QT/A	MP										
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	2	98	97	92	100	0	90	95	90	95
8	BLAZER	2	L	.25	LB A/A	MP										
9	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	2	95	98	93	100	0	95	98	93	98
9	BLAZER	2	L	.5	LB A/A	MP										
10	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	5	90	98	90	98	0	77	98	90	95
10	BASAGRAN	4	E	.25	LB A/A	MP										
11	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	88	98	90	97	0	65	98	85	92
11	BASAGRAN	4	E	.5	LB A/A	MP										
12	STORM	4	EC	.75	LB A/A	MP	7	100	100	93	97	3	97	100	88	92
12	COC		L	1	QT/A	MP										
12	BAS 620	1.67	EC	.125	LB A/A	LP										

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S8024

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	POLPY	XANST	CHEAL	GLXMA	SETFA	POLPY	XANST	CHEAL
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0	0
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	POLPY	XANST	CHEAL	GLXMA	SETFA	POLPY	XANST	CHEAL
13	STORM	4	EC	.75	LB A/A	MP	8	100	100	90	95	5	98	100	88	85
13	COC		L	1	QT/A	MP										
13	POAST	1.53	EC	.188	LB A/A	LP										
13	COC		L	1	QT/A	LP										
14	STORM	4	EC	.75	LB A/A	MP	8	100	98	93	97	5	100	98	93	93
14	COC		L	1	QT/A	MP										
14	POAST PLUS	1	E	.188	LB A/A	LP										
14	COC		L	1	QT/A	LP										
15	STORM	4	EC	.75	LB A/A	MP	5	98	98	92	98	3	98	98	90	93
15	COC		L	1	QT/A	MP										
15	ASSURE II	.8	EC	.055	LB A/A	LP										
15	COC		L	1	QT/A	LP										
16	STORM	4	EC	.75	LB A/A	MP	5	100	98	97	95	0	100	98	88	92
16	COC		L	1	QT/A	MP										
16	FUSILADE DX	2	EC	.19	LB A/A	LP										
16	COC		L	1	QT/A	LP										
17	STORM	4	EC	.75	LB A/A	MP	3	98	98	93	97	0	95	98	87	90
17	COC		L	1	QT/A	MP										
17	FUSION	2.66	EC	.21	LB A/A	LP										
17	COC		L	1	QT/A	LP										
18	STORM	4	EC	.75	LB A/A	MP	8	100	98	95	98	3	97	97	92	88
18	COC		L	1	QT/A	MP										
18	SELECT	2	EC	.125	LB A/A	LP										
18	COC		L	1	QT/A	LP										
LSD (P=.05)							5.9	7.8	4.0	5.8	6.5	3.6	20.7	4.8	10.3	7.9
Standard Deviation							3.6	4.7	2.4	3.5	3.9	2.2	12.4	2.9	6.2	4.7
CV							72.67	4.89	2.48	3.74	3.99	93.77	13.84	2.93	6.83	5.08

Dept. of Agronomy, Univ. of KY
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SOYBEAN POSTEMERGENCE IV

Trial ID: S8024

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	POLPY	XANST	CHEAL
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type					
Rating Unit					
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	ROUNDUP ULTRA	4	AS	1	LB A/A	MP	0	82	93	88	92
2	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	0	97	97	97	100
3	ROUNDUP ULTRA	4	AS	1	LB A/A	LP	2	97	97	97	100
3	ROUNDUP ULTRA	4	AS	.5	LB A/A	IFN					
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	90	92	87	92
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	IFN					
5	FUSION	2.66	EC	.21	LB A/A	MP	0	100	98	95	88
5	FLEXSTAR HL	1.88	CS	.352	LB A/A	MP					
5	MSO		L	1	QT/A	MP					
6	FUSION	2.66	EC	.21	LB A/A	MP	0	97	97	95	88
6	REFLEX	2	EC	.375	LB A/A	MP					
6	MSO		L	1	QT/A	MP					
7	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	62	98	82	98
7	STORM	4	EC	.5	LB A/A	MP					
7	COC		L	1	QT/A	MP					
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	90	95	90	95
8	BLAZER	2	L	.25	LB A/A	MP					
9	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	95	98	87	98
9	BLAZER	2	L	.5	LB A/A	MP					
10	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	83	98	90	95
10	BASAGRAN	4	E	.25	LB A/A	MP					
11	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP	0	73	98	85	92
11	BASAGRAN	4	E	.5	LB A/A	MP					
12	STORM	4	EC	.75	LB A/A	MP	0	97	100	85	92
12	COC		L	1	QT/A	MP					
12	BAS 620	1.67	EC	.125	LB A/A	LP					

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S8024 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	POLPY	XANST	CHEAL
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
13	STORM	4	EC	.75	LB A/A	MP	0	98	100	87	85
13	COC		L	1	QT/A	MP					
13	POAST	1.53	EC	.188	LB A/A	LP					
13	COC		L	1	QT/A	LP					
14	STORM	4	EC	.75	LB A/A	MP	0	100	98	92	90
14	COC		L	1	QT/A	MP					
14	POAST PLUS	1	E	.188	LB A/A	LP					
14	COC		L	1	QT/A	LP					
15	STORM	4	EC	.75	LB A/A	MP	0	98	98	90	93
15	COC		L	1	QT/A	MP					
15	ASSURE II	.8	EC	.055	LB A/A	LP					
15	COC		L	1	QT/A	LP					
16	STORM	4	EC	.75	LB A/A	MP	0	100	98	88	90
16	COC		L	1	QT/A	MP					
16	FUSILADE DX	2	EC	.19	LB A/A	LP					
16	COC		L	1	QT/A	LP					
17	STORM	4	EC	.75	LB A/A	MP	0	95	98	85	90
17	COC		L	1	QT/A	MP					
17	FUSION	2.66	EC	.21	LB A/A	LP					
17	COC		L	1	QT/A	LP					
18	STORM	4	EC	.75	LB A/A	MP	0	97	97	90	85
18	COC		L	1	QT/A	MP					
18	SELECT	2	EC	.125	LB A/A	LP					
18	COC		L	1	QT/A	LP					
LSD (P=.05)				1.1			1.1	11.7	4.8	11.0	7.9
Standard Deviation				0.7			0.7	7.0	2.9	6.6	4.7
CV				734.85			734.85	7.67	2.93	7.39	5.14

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S8024 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY Postal Code: 40546
Trial Status: COMPLETE Initiation Date: 5-5-98 Country: USA
City: LEXINGTON State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.IPOHE IVYLEAF MG
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 5-16-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-1-98			
Time of Day:	3:00 PM	2:00 PM	10:00 AM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	70 F			
% Relative Humidity:	80	90	80			
Wind Velocity, Unit:	2 MPH	2 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 F	68 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S8024

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		1 LF	2 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No

Treatment Application Comment

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

SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0	0
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
1	SELECT	2	EC	.094	LB A/A	MP	0	98	0	0	0	0	100	0	0	0
1	COC		L	1	QT/A	MP										
2	SELECT	2	EC	.094	LB A/A	MP	0	97	0	0	0	0	95	0	0	0
2	FIRSTRATE	84	W	.016	LB A/A	MP										
2	COC		L	1	QT/A	MP										
3	SELECT	2	EC	.094	LB A/A	MP	3	100	93	95	90	0	97	92	92	82
3	RAPTOR	1	E	.032	LB A/A	MP										
3	COC		L	1	QT/A	MP										
4	SELECT	2	EC	.094	LB A/A	MP	23	100	87	85	88	7	98	75	73	80
4	V-10047	3	EC	.15	LB A/A	MP										
4	COC		L	1	QT/A	MP										
5	SELECT	2	EC	.125	LB A/A	MP	30	100	85	82	82	12	97	73	73	78
5	V-10047	3	EC	.15	LB A/A	MP										
5	COC		L	1	QT/A	MP										
6	FUSION	2.66	EC	.094	LB A/A	MP	0	100	47	57	80	0	100	37	83	83
6	FIRSTRATE	84	W	.016	LB A/A	MP										
6	COC		L	1	QT/A	MP										
7	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	85	63	90	0	98	77	47	83
7	COC		L	.5	QT/A	MP										
7	SELECT	2	EC	.125	LB A/A	+1WK										
7	COC		L	1	QT/A	+1WK										
8	RESOURCE	.86	EC	.027	LB A/A	MP	7	100	97	100	90	0	100	92	97	85
8	BASAGRAN	4	E	.5	LB A/A	MP										
8	COC		L	.5	QT/A	MP										
8	SELECT	2	EC	.125	LB A/A	+1WK										
8	COC		L	1	QT/A	+1WK										
9	RESOURCE	.86	EC	.027	LB A/A	MP	3	100	83	93	88	0	100	77	87	83
9	CLASSIC	25	DF	.006	LB A/A	MP										
9	COC		L	.5	QT/A	MP										
9	SELECT	2	EC	.125	LB A/A	+1WK										
9	COC		L	1	QT/A	+1WK										

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

SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
10	RESOURCE	.86	EC	.027	LB A/A	MP	8	100	93	98	93	0	100	87	98	90
10	PURSUIT	70	DF	.063	LB A/A	MP										
10	COC		L	.5	QT/A	MP										
10	LIQUID N		L	2	QT/A	MP										
10	SELECT	2	EC	.125	LB A/A	+1WK										
10	COC		L	1	QT/A	+1WK										
11	RESOURCE	.86	EC	.027	LB A/A	MP	13	100	93	78	90	3	100	88	70	87
11	COBRA	25	WP	.094	LB A/A	MP										
11	COC		L	.5	QT/A	MP										
11	SELECT	2	EC	.125	LB A/A	+1WK										
11	COC		L	1	QT/A	+1WK										
12	RESOURCE	.86	EC	.027	LB A/A	MP	27	100	97	100	93	8	100	93	100	88
12	BASAGRAN	4	E	.5	LB A/A	MP										
12	COBRA	2	EC	.094	LB A/A	MP										
12	COC		L	.5	QT/A	MP										
12	SELECT	2	EC	.125	LB A/A	+1WK										
12	COC		L	1	QT/A	+1WK										
13	RESOURCE	.86	EC	.027	LB A/A	MP	10	100	95	100	93	0	100	95	100	90
13	STORM	4	EC	.75	LB A/A	MP										
13	COC		L	.5	QT/A	MP										
13	SELECT	2	EC	.125	LB A/A	+1WK										
13	COC		L	1	QT/A	+1WK										
14	RESOURCE	.86	EC	.027	LB A/A	MP	7	100	92	100	90	0	100	90	100	85
14	BASAGRAN	4	E	.5	LB A/A	MP										
14	COC		L	.5	QT/A	MP										
14	SELECT	2	EC	.125	LB A/A	+1WK										
14	COC		L	1	QT/A	+1WK										
15	RESOURCE	.86	EC	.027	LB A/A	MP	10	100	97	98	95	3	100	90	97	90
15	FLEXSTAR HL	1.88	CS	.25	LB A/A	MP										
15	COC		L	.5	QT/A	MP										
15	SELECT	2	EC	.125	LB A/A	+1WK										
15	COC		L	1	QT/A	+1WK										

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

SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
16	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	100	97	90	0	100	100	100	88
16	PINNACLE	25	DF	.004	LB A/A	MP										
16	COC		L	.5	QT/A	MP										
16	SELECT	2	EC	.125	LB A/A	+1WK										
16	COC		L	1	QT/A	+1WK										
17	RESOURCE	.86	EC	.027	LB A/A	MP	3	100	83	75	90	0	100	75	65	87
17	FUSION	2.66	EC	.21	LB A/A	MP										
17	COC		L	.5	QT/A	MP										
18	RESOURCE	.86	EC	.027	LB A/A	MP	0	98	58	43	83	0	98	47	33	77
18	ASSURE II	.8	EC	.055	LB A/A	MP										
18	COC		L	.5	QT/A	MP										
19	RESOURCE	.86	EC	.027	LB A/A	MP	7	100	68	53	85	0	100	57	40	77
19	SELECT	2	EC	.125	LB A/A	MP										
19	COC		L	.5	QT/A	MP										
20	COBRA	2	EC	.125	LB A/A	MP	17	47	85	92	90	3	37	80	88	87
20	COC		L	.5	QT/A	MP										
21	PINNACLE	25	DF	.002	LB A/A	MP	0	40	95	100	87	0	27	95	100	87
21	INDUCE			.25	% V/V	MP										
22	COBRA	2	EC	.094	LB A/A	MP	10	40	80	77	83	0	33	73	68	80
22	PINNACLE	25	DF	.002	LB A/A	MP										
22	COC		L	.5	QT/A	MP										
23	COBRA	2	EC	.125	LB A/A	MP	15	57	95	100	85	3	43	95	100	80
23	PINNACLE	25	DF	.002	LB A/A	MP										
23	COC		L	.5	QT/A	MP										
24	COBRA	2	EC	.094	LB A/A	MP	3	100	80	98	87	0	100	75	98	82
24	PINNACLE	25	DF	.002	LB A/A	MP										
24	SELECT	2	EC	.125	LB A/A	+1WK										
24	COC		L	.5	QT/A	+1WK										
25	COBRA	2	EC	.125	LB A/A	MP	12	47	73	65	72	0	37	67	63	68
25	COC		L	.5	QT/A	MP										

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SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
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Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg										
26	V-10047	3	EC	.125	LB A/A	MP	10	37	68	78	83	0	23	67	73	77
26	COC		L	.5	QT/A	MP										
27	FLEXSTAR HL	1.88	CS	.125	LB A/A	MP	0	67	78	80	83	0	53	72	88	82
27	COC		L	.5	QT/A	MP										
28	COBRA	2	EC	.125	LB A/A	MP	17	50	95	100	93	0	33	93	97	87
28	PINNACLE	25	DF	.002	LB A/A	MP										
28	COC		L	.5	QT/A	MP										
29	FLEXSTAR HL	1.88	CS	.125	LB A/A	MP	0	70	95	98	88	0	50	95	98	83
29	PINNACLE	25	DF	.002	LB A/A	MP										
29	COC		L	.5	QT/A	MP										
30	COBRA	2	EC	.125	LB A/A	MP	13	40	77	63	88	0	37	77	67	87
30	COC		L	.5	QT/A	MP										
31	COBRA	25	WP	.125	LB A/A	MP	10	53	80	83	90	0	37	73	73	87
31	COC		L	.5	QT/A	MP										
32	COBRA	25	WP	.094	LB A/A	MP	12	43	100	100	93	0	30	100	97	92
32	PINNACLE	25	DF	.006	LB A/A	MP										
32	INDUCE			.25	% V/V	MP										
33	COBRA	25	WP	.125	LB A/A	MP	15	47	98	97	90	0	33	98	97	90
33	PINNACLE	25	DF	.006	LB A/A	MP										
33	INDUCE			.25	% V/V	MP										
34	COBRA	2	EC	.094	LB A/A	MP	8	23	97	100	88	0	17	97	100	88
34	PINNACLE	25	DF	.006	LB A/A	MP										
34	INDUCE			.25	% V/V	MP										
35	COBRA	2	EC	.125	LB A/A	MP	12	53	100	100	92	0	40	100	100	92
35	PINNACLE	25	DF	.006	LB A/A	MP										
35	INDUCE			.25	% V/V	MP										
36	COBRA	2	EC	.125	LB A/A	MP	12	37	80	82	88	3	33	73	78	88
36	COC		L	.5	QT/A	MP										

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Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
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Weed Code	Crop Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Part Rated	Rating Data Type	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Unit	Rating Date	2 WEEKS P	2 WEEKS P	2 WEEKS P	2 WEEKS P	2 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P	4 WEEKS P
Footnote Number	Trt-Eval Interval	0	0	0	0	0	0	0	0	0	0
PRM Data Type	# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
37	COBRA	2	EC	.125	LB A/A	MP	10	43	73	98	90	0	40	68	95	90
37	FIRSTRATE	84	W	.016	LB A/A	MP										
37	COC		L	.5	QT/A	MP										
38	V-10047	3	EC	.125	LB A/A	MP	13	40	68	95	93	0	37	57	95	92
38	FIRSTRATE	84	W	.016	LB A/A	MP										
38	COC		L	.5	QT/A	MP										
39	COBRA	2	EC	.125	LB A/A	MP	12	33	98	100	92	0	27	98	100	92
39	BASAGRAN	4	E	.5	LB A/A	MP										
39	COC		L	.5	QT/A	MP										
40	BLAZER	2	L	.25	LB A/A	MP	3	60	88	98	93	0	50	82	98	88
40	FIRSTRATE	84	W	.016	LB A/A	MP										
40	COC		L	.5	QT/A	MP										
41	V-10047	3	EC	.094	LB A/A	MP	7	37	72	98	95	3	17	60	97	93
41	FIRSTRATE	84	W	.016	LB A/A	MP										
41	COC		L	.5	QT/A	MP										
42	SELECT	2	EC	.094	LB A/A	MP	0	100	0	0	0	0	100	0	0	0
42	COC		L	1	QT/A	MP										
43	SELECT	2	EC	.094	LB A/A	MP	0	100	95	97	87	0	98	92	95	82
43	RAPTOR	1	E	.032	LB A/A	MP										
43	COC		L	1	QT/A	MP										
44	SELECT	2	EC	.125	LB A/A	MP	37	100	100	98	95	17	100	95	95	92
44	RAPTOR	1	E	.032	LB A/A	MP										
44	COBRA	2	EC	.1	LB A/A	MP										
44	COC		L	1	QT/A	MP										
45	POAST PLUS	1	E	.188	LB A/A	MP	0	100	0	0	0	0	100	0	0	0
45	COC		L	1	QT/A	MP										
46	POAST PLUS	1	E	.188	LB A/A	MP	10	100	92	97	92	0	100	92	97	87
46	RAPTOR	1	E	.032	LB A/A	MP										
46	COC		L	1	QT/A	MP										

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Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg											
47	FUSION	2.66	EC	.094	LB A/A	MP	7	100	90	97	90	0	100	92	97	85	
47	RAPTOR	1	E	.032	LB A/A	MP											
47	COC		L	1	QT/A	MP											
48	WEEDY CHECK						0	0	0	0	0	0	0	0	0	0	
LSD (P=.05)							6.3	10.3	9.0	10.8	8.0	4.1	9.9	12.2	12.0	8.8	
Standard Deviation							3.9	6.4	5.6	6.7	4.9	2.5	6.1	7.5	7.4	5.4	
CV							45.18	8.58	7.23	8.38	6.22	190.59	8.82	10.28	9.61	7.09	

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SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
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Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	CHEAL	POLPY	IPOSS
1	SELECT	2	EC	.094	LB A/A	MP	0	100	0	0	0
1	COC		L	1	QT/A	MP					
2	SELECT	2	EC	.094	LB A/A	MP	0	95	0	0	0
2	FIRSTRATE	84	W	.016	LB A/A	MP					
2	COC		L	1	QT/A	MP					
3	SELECT	2	EC	.094	LB A/A	MP	0	97	92	90	77
3	RAPTOR	1	E	.032	LB A/A	MP					
3	COC		L	1	QT/A	MP					
4	SELECT	2	EC	.094	LB A/A	MP	0	98	63	53	78
4	V-10047	3	EC	.15	LB A/A	MP					
4	COC		L	1	QT/A	MP					
5	SELECT	2	EC	.125	LB A/A	MP	0	97	67	40	75
5	V-10047	3	EC	.15	LB A/A	MP					
5	COC		L	1	QT/A	MP					
6	FUSION	2.66	EC	.094	LB A/A	MP	0	100	23	37	67
6	FIRSTRATE	84	W	.016	LB A/A	MP					
6	COC		L	1	QT/A	MP					
7	RESOURCE	.86	EC	.027	LB A/A	MP	0	98	73	30	83
7	COC		L	.5	QT/A	MP					
7	SELECT	2	EC	.125	LB A/A	+1WK					
7	COC		L	1	QT/A	+1WK					
8	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	90	97	85
8	BASAGRAN	4	E	.5	LB A/A	MP					
8	COC		L	.5	QT/A	MP					
8	SELECT	2	EC	.125	LB A/A	+1WK					
8	COC		L	1	QT/A	+1WK					
9	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	77	87	83
9	CLASSIC	25	DF	.006	LB A/A	MP					
9	COC		L	.5	QT/A	MP					
9	SELECT	2	EC	.125	LB A/A	+1WK					
9	COC		L	1	QT/A	+1WK					

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SOYBEAN POSTEMERGENCE V

Trial ID: S8025
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Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
10	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	83	98	90
10	PURSUIT	70	DF	.063	LB A/A	MP					
10	COC		L	.5	QT/A	MP					
10	LIQUID N		L	2	QT/A	MP					
10	SELECT	2	EC	.125	LB A/A	+1WK					
10	COC		L	1	QT/A	+1WK					
11	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	83	53	87
11	COBRA	25	WP	.094	LB A/A	MP					
11	COC		L	.5	QT/A	MP					
11	SELECT	2	EC	.125	LB A/A	+1WK					
11	COC		L	1	QT/A	+1WK					
12	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	85	100	87
12	BASAGRAN	4	E	.5	LB A/A	MP					
12	COBRA	2	EC	.094	LB A/A	MP					
12	COC		L	.5	QT/A	MP					
12	SELECT	2	EC	.125	LB A/A	+1WK					
12	COC		L	1	QT/A	+1WK					
13	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	95	100	87
13	STORM	4	EC	.75	LB A/A	MP					
13	COC		L	.5	QT/A	MP					
13	SELECT	2	EC	.125	LB A/A	+1WK					
13	COC		L	1	QT/A	+1WK					
14	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	85	93	85
14	BASAGRAN	4	E	.5	LB A/A	MP					
14	COC		L	.5	QT/A	MP					
14	SELECT	2	EC	.125	LB A/A	+1WK					
14	COC		L	1	QT/A	+1WK					
15	RESOURCE	.86	EC	.027	LB A/A	MP	0	97	85	97	90
15	FLEXSTAR HL	1.88	CS	.25	LB A/A	MP					
15	COC		L	.5	QT/A	MP					
15	SELECT	2	EC	.125	LB A/A	+1WK					
15	COC		L	1	QT/A	+1WK					

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SOYBEAN POSTEMERGENCE V

Trial ID: S8025
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Investigator:
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Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
Rating Unit	P	P	P	P	P
Rating Date	0	0	0	0	0
Footnote Number					
Trt-Eval Interval					
PRM Data Type					
# Subsamples, Dec.					

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
16	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	100	100	83
16	PINNACLE	25	DF	.004	LB A/A	MP					
16	COC		L	.5	QT/A	MP					
16	SELECT	2	EC	.125	LB A/A	+1WK					
16	COC		L	1	QT/A	+1WK					
17	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	72	47	83
17	FUSION	2.66	EC	.21	LB A/A	MP					
17	COC		L	.5	QT/A	MP					
18	RESOURCE	.86	EC	.027	LB A/A	MP	0	98	30	13	67
18	ASSURE II	.8	EC	.055	LB A/A	MP					
18	COC		L	.5	QT/A	MP					
19	RESOURCE	.86	EC	.027	LB A/A	MP	0	100	50	23	70
19	SELECT	2	EC	.125	LB A/A	MP					
19	COC		L	.5	QT/A	MP					
20	COBRA	2	EC	.125	LB A/A	MP	0	37	77	85	87
20	COC		L	.5	QT/A	MP					
21	PINNACLE	25	DF	.002	LB A/A	MP	0	23	95	100	85
21	INDUCE			.25	8 V/V	MP					
22	COBRA	2	EC	.094	LB A/A	MP	0	10	73	68	80
22	PINNACLE	25	DF	.002	LB A/A	MP					
22	COC		L	.5	QT/A	MP					
23	COBRA	2	EC	.125	LB A/A	MP	0	17	92	100	80
23	PINNACLE	25	DF	.002	LB A/A	MP					
23	COC		L	.5	QT/A	MP					
24	COBRA	2	EC	.094	LB A/A	MP	0	100	70	98	82
24	PINNACLE	25	DF	.002	LB A/A	MP					
24	SELECT	2	EC	.125	LB A/A	+1WK					
24	COC		L	.5	QT/A	+1WK					
25	COBRA	2	EC	.125	LB A/A	MP	0	10	63	60	68
25	COC		L	.5	QT/A	MP					

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Weed Code	GLYMA	SETFA	CHEAL	POLPY	IPOSS
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
26	V-10047	3	EC	.125	LB A/A	MP	0	13	67	67	77
26	COC		L	.5	QT/A	MP					
27	FLEXSTAR HL	1.88	CS	.125	LB A/A	MP	0	30	72	82	82
27	COC		L	.5	QT/A	MP					
28	COBRA	2	EC	.125	LB A/A	MP	0	17	93	97	87
28	PINNACLE	25	DF	.002	LB A/A	MP					
28	COC		L	.5	QT/A	MP					
29	FLEXSTAR HL	1.88	CS	.125	LB A/A	MP	0	27	95	98	83
29	PINNACLE	25	DF	.002	LB A/A	MP					
29	COC		L	.5	QT/A	MP					
30	COBRA	2	EC	.125	LB A/A	MP	0	13	67	43	87
30	COC		L	.5	QT/A	MP					
31	COBRA	25	WP	.125	LB A/A	MP	0	10	73	73	87
31	COC		L	.5	QT/A	MP					
32	COBRA	25	WP	.094	LB A/A	MP	0	10	100	100	87
32	PINNACLE	25	DF	.006	LB A/A	MP					
32	INDUCE			.25	% V/V	MP					
33	COBRA	25	WP	.125	LB A/A	MP	0	10	98	97	87
33	PINNACLE	25	DF	.006	LB A/A	MP					
33	INDUCE			.25	% V/V	MP					
34	COBRA	2	EC	.094	LB A/A	MP	0	0	97	100	88
34	PINNACLE	25	DF	.006	LB A/A	MP					
34	INDUCE			.25	% V/V	MP					
35	COBRA	2	EC	.125	LB A/A	MP	0	10	100	100	92
35	PINNACLE	25	DF	.006	LB A/A	MP					
35	INDUCE			.25	% V/V	MP					
36	COBRA	2	EC	.125	LB A/A	MP	0	3	73	77	88
36	COC		L	.5	QT/A	MP					

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

SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	CHEAL	POLPY	IPOSS
Crop Code	GLYMA				
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
37	COBRA	2	EC	.125	LB A/A	MP	0	10	68	98	90
37	FIRSTRATE	84	W	.016	LB A/A	MP					
37	COC		L	.5	QT/A	MP					
38	V-10047	3	EC	.125	LB A/A	MP	0	17	60	95	83
38	FIRSTRATE	84	W	.016	LB A/A	MP					
38	COC		L	.5	QT/A	MP					
39	COBRA	2	EC	.125	LB A/A	MP	0	3	98	100	92
39	BASAGRAN	4	E	.5	LB A/A	MP					
39	COC		L	.5	QT/A	MP					
40	BLAZER	2	L	.25	LB A/A	MP	0	27	85	98	87
40	FIRSTRATE	84	W	.016	LB A/A	MP					
40	COC		L	.5	QT/A	MP					
41	V-10047	3	EC	.094	LB A/A	MP	0	20	50	97	93
41	FIRSTRATE	84	W	.016	LB A/A	MP					
41	COC		L	.5	QT/A	MP					
42	SELECT	2	EC	.094	LB A/A	MP	0	100	0	0	0
42	COC		L	1	QT/A	MP					
43	SELECT	2	EC	.094	LB A/A	MP	0	98	92	95	82
43	RAPTOR	1	E	.032	LB A/A	MP					
43	COC		L	1	QT/A	MP					
44	SELECT	2	EC	.125	LB A/A	MP	0	100	93	95	92
44	RAPTOR	1	E	.032	LB A/A	MP					
44	COBRA	2	EC	.1	LB A/A	MP					
44	COC		L	1	QT/A	MP					
45	POAST PLUS	1	E	.188	LB A/A	MP	0	100	0	0	0
45	COC		L	1	QT/A	MP					
46	POAST PLUS	1	E	.188	LB A/A	MP	0	100	92	97	87
46	RAPTOR	1	E	.032	LB A/A	MP					
46	COC		L	1	QT/A	MP					

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

SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code		SETFA	CHEAL	POLPY	IPOSS
Crop Code	GLYMA				
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg					
47	FUSION	2.66	EC	.094	LB A/A	MP	0	100	88	97	85
47	RAPTOR	1	E	.032	LB A/A	MP					
47	COC		L	1	QT/A	MP					
48	WEEDY CHECK						0	0	0	0	0
LSD (P=.05)							0.0	8.8	15.0	14.4	9.8
Standard Deviation							0.0	5.5	9.3	8.9	6.0
CV							0.0	9.06	13.16	12.3	8.08

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

SOYBEAN POSTEMERGENCE V

Trial ID: S8025 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Trial Status: Complete Initiation Date: 5-5-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. CHEAL C. LAMBSQUARTERS 3. IPOHE IVYLEAF MG
4. XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 5-16-98
Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-6-98			
Time of Day:	3:00 PM	2:00 PM	4:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	+ 1WK			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	54 F			
% Relative Humidity:	80	90	70			
Wind Velocity, Unit:	2 MPH	2 MPH	3 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 F	68 F	65 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

SOYBEAN POSTEMERGENCE V

Trial ID: S8025
Location: LEXINGTON, KY.Investigator:
Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		1 LF	3 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SETFA	XANST	ABUTH	CHEAL	GLYMA	SETFA	XANST	ABUTH	CHEAL
Crop Code	GLYMA	GLYMA	GLYMA	GLYMA	GLYMA	GLYMA	GLYMA	GLYMA	GLYMA
Part Rated	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Data Type	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Unit	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Date	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Footnote Number	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	CHEAL	GLYMA	SETFA	XANST	ABUTH	CHEAL
1	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	17	100	100	100	90	2	97	87	95	90
2	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	100	97	98	93	0	100	93	98	93
3	ROUNDUP ULTRA	4	AS	1	LB A/A	9"W	2	93	93	100	83	2	97	97	98	83
4	ROUNDUP ULTRA	4	AS	1	LB A/A	12"W	0	100	100	95	82	0	100	100	95	82
5	PROWL	3.3	EC	1.2	LB A/A	PRE	7	98	92	97	98	2	100	97	100	98
5	PURSUIT	70	DF	.063	LB A/A	3"W										
5	LIQUID N		L	1	QT/A	3"W										
5	INDUCE			.25	% V/V	3"W										
6	POAST PLUS	1	E	.19	LB A/A	3"W	15	100	100	100	90	8	100	95	93	90
6	GALAXY	3.67	EC	.92	LB A/A	3"W										
6	LIQUID N		L	1	QT/A	3"W										
6	COC		L	.5	QT/A	3"W										
7	SELECT	2	EC	.15	LB A/A	3"W	10	40	95	100	93	2	45	97	98	93
7	CLASSIC	25	DF	.004	LB A/A	3"W										
7	PINNACLE	25	DF	.004	LB A/A	3"W										
7	LIQUID N		L	1	QT/A	3"W										
7	INDUCE			.25	% V/V	3"W										
8	SQUADRON	2.33	EC	.87	LB A/A	PRE	12	90	68	85	93	0	90	53	88	93
8	PROWL	3.3	EC	.42	LB A/A	PRE										
9	AUTHORITY BROADLEAF						5	75	67	57	93	0	75	73	68	92
9	AUTHORITY	75	DF	.2	LB A/A	PRE										
9	CLASSIC	25	DF	.04	LB A/A	PRE										
10	REFLEX	2	EC	.375	LB A/A	6"W	17	100	95	100	82	8	100	95	98	82
10	FUSION	2.66	EC	.21	LB A/A	6"W										
10	MSO		L	1	QT/A	6"W										
LSD (P=.05)							7.0	10.2	11.5	8.4	8.5	3.8	8.8	12.4	9.0	9.3
Standard Deviation							6.0	8.7	9.9	7.2	7.3	3.3	7.5	10.6	7.7	8.0
CV							71.85	9.74	10.87	7.71	8.08	140.94	8.34	12.01	8.27	8.91

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	CHEAL
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	0	100	100	100	100
2	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	100	100	100	100
3	ROUNDUP ULTRA	4	AS	1	LB A/A	9"W	0	100	100	100	100
4	ROUNDUP ULTRA	4	AS	1	LB A/A	12"W	0	100	100	100	100
5	PROWL	3.3	EC	1.2	LB A/A	PRE	0	100	100	100	100
5	PURSUIT	70	DF	.063	LB A/A	3"W					
5	LIQUID N		L	1	QT/A	3"W					
5	INDUCE			.25	% V/V	3"W					
6	POAST PLUS	1	E	.19	LB A/A	3"W	0	100	100	100	100
6	GALAXY	3.67	EC	.92	LB A/A	3"W					
6	LIQUID N		L	1	QT/A	3"W					
6	COC		L	.5	QT/A	3"W					
7	SELECT	2	EC	.15	LB A/A	3"W	0	100	100	100	100
7	CLASSIC	25	DF	.004	LB A/A	3"W					
7	PINNACLE	25	DF	.004	LB A/A	3"W					
7	LIQUID N		L	1	QT/A	3"W					
7	INDUCE			.25	% V/V	3"W					
8	SQUADRON	2.33	EC	.87	LB A/A	PRE	0	100	100	100	100
8	PROWL	3.3	EC	.42	LB A/A	PRE					
9	AUTHORITY BROADLEAF						0	100	100	100	100
9	AUTHORITY	75	DF	.2	LB A/A	PRE					
9	CLASSIC	25	DF	.04	LB A/A	PRE					
10	REFLEX	2	EC	.375	LB A/A	6"W	0	100	100	100	100
10	FUSION	2.66	EC	.21	LB A/A	6"W					
10	MSO		L	1	QT/A	6"W					
	LSD (P=.05)						0.0	0.0	0.0	0.0	0.0
	Standard Deviation						0.0	0.0	0.0	0.0	0.0
	CV						0.0	0.0	0.0	0.0	0.0

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-13-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.ABUTH VELVETLEAF 3.CHEAL C.LAMBSQUARTERS
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-13-98
Planting Method: drill Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: NORMAL Emergence Date: 5-23-98

Plot Width, Unit: 10 FT Plot Length, Unit: 40 FT Reps: 6
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-13-98	5-28-98	6-1-98	6-4-98	6-12-98	
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
Application Timing:	PRE	3"WEEDS	6"WEEDS	9"WEEDS	12"WEEDS	
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	
Air Temp., Unit:	72 F	72 F	70 F	60 F	76 F	
% Relative Humidity:	80	82	72	95	85	
Wind Velocity, Unit:	3 MPH	5 MPH	2 MPH	1 MPH	4 MPH	
Dew Presence (Y/N):	N	N	N	N	N	
Soil Temp., Unit:	68 F	68 F	73 F	65 F	74 F	
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA		UNIFOL	1 TRIFOL	2 TRIFOL	3 TRIFOL	
		3 IN	4 IN	6 IN	9 IN	

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		3 LF	4 LF	5 LF	6 LF	
		3 IN	6 IN	9 IN	12 IN	
ABUTH		4 LF	6 LF	6 LF	8 LF	
		3 IN	5 IN	7 IN	10 IN	
CHEAL		6 LF	12 LF	12 LF	16 LF	
		2 IN	5 IN	7 IN	10 IN	
XANST		4 LF	8 LF	8 LF	8 LF	
		3 IN	6 IN	10 IN	14 IN	

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK	BACKPACK	
Operating Pressure:	30	30	30	30	30	
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	
Nozzle Size:	8004 DG	8004 DG	8004 DG	8004 DG	8004 DG	
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN	20 IN	
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT	10 FT	
Boom Height, Unit:	19 IN	19 IN	19 IN	19 IN	19 IN	
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH	4 MPH	
Carrier:	WATER	WATER	WATER	WATER	WATER	
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA	24 GPA	
Propellant:	CO2	CO2	CO2	CO2	CO2	

Trt No Treatment Application Comment

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	CHEAL	GLYMA	SETFA	XANST	ABUTH	CHEAL
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	CHEAL	GLYMA	SETFA	XANST	ABUTH	CHEAL
1	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	15	100	100	100	90	0	98	88	96	90
2	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	100	98	99	93	0	100	93	98	93
3	ROUNDUP ULTRA	4	AS	1	LB A/A	9"W	0	93	94	100	83	1	98	98	98	83
4	ROUNDUP ULTRA	4	AS	1	LB A/A	12"W	0	100	100	96	83	0	100	100	96	83
5	PROWL	3.3	EC	1.2	LB A/A	PRE	10	98	93	98	98	1	100	98	100	98
5	PURSUIT	70	DF	.063	LB A/A	3"W										
5	LIQUID N		L	1	QT/A	3"W										
5	INDUCE			.25	% V/V	3"W										
6	POAST PLUS	1	E	.19	LB A/A	3"W	18	100	100	100	91	7	100	97	97	92
6	GALAXY	3.67	EC	.92	LB A/A	3"W										
6	LIQUID N		L	1	QT/A	3"W										
6	COC		L	.5	QT/A	3"W										
7	SELECT	2	EC	.15	LB A/A	3"W	12	53	95	100	94	0	48	98	100	93
7	CLASSIC	25	DF	.004	LB A/A	3"W										
7	PINNACLE	25	DF	.004	LB A/A	3"W										
7	LIQUID N		L	1	QT/A	3"W										
7	INDUCE			.25	% V/V	3"W										
8	SQUADRON	2.33	EC	.87	LB A/A	PRE	10	90	84	86	93	0	93	53	88	93
8	PROWL	3.3	EC	.42	LB A/A	PRE										
9	AUTHORITY BROADLEAF						2	72	73	68	97	0	83	73	78	95
9	AUTHORITY	75	DF	.2	LB A/A	PRE										
9	CLASSIC	25	DF	.04	LB A/A	PRE										
10	REFLEX	2	EC	.375	LB A/A	6"W	15	100	95	100	82	10	100	95	98	82
10	FUSION	2.66	EC	.21	LB A/A	6"W										
10	MSO		L	1	QT/A	6"W										
LSD (P=.05)							5.4	8.4	7.5	4.0	6.7	1.8	6.2	9.4	5.6	6.9
Standard Deviation							4.7	7.2	6.4	3.4	5.7	1.6	5.4	8.0	4.8	6.0
CV							57.19	7.92	6.89	3.59	6.3	85.92	5.81	8.98	5.05	6.59

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	CHEAL
Crop Code					
Part Rated					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	CHEAL
1	ROUNDUP ULTRA	4	AS	1	LB A/A	3"W	0	100	100	100	100
2	ROUNDUP ULTRA	4	AS	1	LB A/A	6"W	0	100	100	100	100
3	ROUNDUP ULTRA	4	AS	1	LB A/A	9"W	0	100	100	100	100
4	ROUNDUP ULTRA	4	AS	1	LB A/A	12"W	0	100	100	100	100
5	PROWL	3.3	EC	1.2	LB A/A	PRE	0	100	100	100	100
5	PURSUIT	70	DF	.063	LB A/A	3"W					
5	LIQUID N		L	1	QT/A	3"W					
5	INDUCE			.25	% V/V	3"W					
6	POAST PLUS	1	E	.19	LB A/A	3"W	0	100	100	100	100
6	GALAXY	3.67	EC	.92	LB A/A	3"W					
6	LIQUID N		L	1	QT/A	3"W					
6	COC		L	.5	QT/A	3"W					
7	SELECT	2	EC	.15	LB A/A	3"W	0	100	100	100	100
7	CLASSIC	25	DF	.004	LB A/A	3"W					
7	PINNACLE	25	DF	.004	LB A/A	3"W					
7	LIQUID N		L	1	QT/A	3"W					
7	INDUCE			.25	% V/V	3"W					
8	SQUADRON	2.33	EC	.87	LB A/A	PRE	0	100	100	100	100
8	PROWL	3.3	EC	.42	LB A/A	PRE					
9	AUTHORITY BROADLEAF						0	100	100	100	100
9	AUTHORITY	75	DF	.2	LB A/A	PRE					
9	CLASSIC	25	DF	.04	LB A/A	PRE					
10	REFLEX	2	EC	.375	LB A/A	6"W	0	100	100	100	100
10	FUSION	2.66	EC	.21	LB A/A	6"W					
10	MSO		L	1	QT/A	6"W					

LSD (P=.05)	0.0	0.0	0.0	0.0	0.0
Standard Deviation	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-13-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.ABUTH VELVETLEAF 3.CHEAL C.LAMBSQUARTERS
4.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-13-98
Planting Method: ROWS Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: NORMAL Emergence Date: 5-23-98

Plot Width, Unit: 10 FT Plot Length, Unit: 40 FT Reps: 6
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-13-98	5-28-98	6-1-98	6-4-98	6-12-98	
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
Application Timing:	PRE	3"WEEDS	6"WEEDS	9"WEEDS	12"WEEDS	
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	
Air Temp., Unit:	72 F	72 F	70 F	60 F	76 F	
% Relative Humidity:	80	82	72	95	85	
Wind Velocity, Unit:	3 MPH	5 MPH	2 MPH	1 MPH	4 MPH	
Dew Presence (Y/N):	N	N	N	N	N	
Soil Temp., Unit:	68 F	68 F	73 F	65 F	74 F	
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	

CROP STAGE AT EACH APPLICATION

GLXMA	A	B	C	D	E	F
		UNIFOL	1 TRIFOL	2 TRIFOL	3 TRIFOL	
		3 IN	4 IN	6 IN	9 IN	

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

SOYBEAN POSTEMERGENCE VI

Trial ID: S8030 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		3 LF	4 LF	5 LF	6 LF	
		3 IN	6 IN	9 IN	12 IN	
ABUTH		4 LF	6 LF	6 LF	8 LF	
		3 IN	5 IN	7 IN	10 IN	
CHEAL		6 LF	12 LF	12 LF	16 LF	
		2 IN	5 IN	7 IN	10 IN	
XANST		4 LF	8 LF	8 LF	8 LF	
		3 IN	6 IN	10 IN	14 IN	

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	BACKPACK	BACKPACK	BACKPACK	BACKPACK	
Operating Pressure:	30	30	30	30	30	
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN	
Nozzle Size:	8004 DG	8004 DG	8004 DG	8004 DG	8004 DG	
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN	20 IN	
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT	10 FT	
Boom Height, Unit:	19 IN	19 IN	19 IN	19 IN	19 IN	
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH	4 MPH	
Carrier:	WATER	WATER	WATER	WATER	WATER	
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA	24 GPA	
Propellant:	CO2	CO2	CO2	CO2	CO2	

Trt No Treatment Application Comment

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

SOYBEAN POSTEMERGENCE VIII

Trial ID: 98H37ML1

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code	INJURY PERCENT		CONTROL PERCENT		INJURY PERCENT		CONTROL PERCENT	
Part Rated	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Rating Data Type	P	P	P	P	P	P	P	P
Rating Unit	0	0	0	0	0	0	0	0
Rating Date	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Footnote Number	P		P		P		P	
Trt-Eval Interval	0		0		0		0	
PRM Data Type	P		P		P		P	
# Subsamples, Dec.	0		0		0		0	

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
1	PURSUIT	70	DF	1.07	OZ/A	MP	0	97	90	53	0	88	90	43
1	SELECT	2	EC	6	OZ/A	MP								
1	HM8802-A	100	L	.5	% V/V	MP								
2	PURSUIT	70	DF	1.07	OZ/A	MP	0	93	82	67	0	88	88	62
2	SELECT	2	EC	6	OZ/A	MP								
2	HM8802-A	100	L	.5	% V/V	MP								
2	AMS	100	SG	2.5	LB/A	MP								
3	PURSUIT	70	DF	1.07	OZ/A	MP	0	95	85	62	0	93	88	62
3	SELECT	2	EC	6	OZ/A	MP								
3	HM8802-A	100	L	.5	% V/V	MP								
3	LIQUID N		L	1	QT/A	MP								
4	PURSUIT	70	DF	1.07	OZ/A	MP	0	95	85	52	0	85	90	47
4	SELECT	2	EC	6	OZ/A	MP								
4	HM8802-A	100	L	.5	% V/V	MP								
4	LIQUID N		L	2	QT/A	MP								
5	PURSUIT	70	DF	1.07	OZ/A	MP	0	95	88	57	0	90	85	53
5	SELECT	2	EC	6	OZ/A	MP								
5	HM8802-A	100	L	.5	% V/V	MP								
5	HM9541-A	100	L	64	OZ/100 GAL	MP								
6	CLASSIC	25	DF	.33	OZ WT/A	MP	0	95	95	87	0	90	85	75
6	FLEXSTAR HL	1.88	CS	8	OZ/A	MP								
6	SELECT	2	EC	6	OZ/A	MP								
6	HM8802-A	100	L	.5	% V/V	MP								
7	CLASSIC	25	DF	.33	OZ WT/A	MP	0	97	92	85	0	88	78	65
7	FLEXSTAR HL	1.88	CS	8	OZ/A	MP								
7	SELECT	2	EC	6	OZ/A	MP								
7	HM8802-A	100	L	.5	% V/V	MP								
7	AMS	100	SG	2	LB/A	MP								
8	CLASSIC	25	DF	.33	OZ WT/A	MP	0	95	95	93	0	93	92	88
8	FLEXSTAR HL	1.88	CS	8	OZ/A	MP								
8	SELECT	2	EC	6	OZ/A	MP								
8	HM8802-A	100	L	.5	% V/V	MP								
8	LIQUID N		L	2	QT/A	MP								

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

SOYBEAN POSTEMERGENCE VIII

Trial ID: 98H37ML1

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code	INJURY CONTROL		CONTROL CONTROL		INJURY CONTROL		CONTROL CONTROL	
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Rating Unit	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0
Footnote Number	2 WEEKS		2 WEEKS		4 WEEKS		4 WEEKS	
Trt-Eval Interval	P	P	P	P	P	P	P	P
PRM Data Type	0	0	0	0	0	0	0	0
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL	
9	CLASSIC	25	DF	.33	OZ WT/A	MP	0	93	95	88	0	85	92	85	
9	FLEXSTAR HL	1.88	CS	8	OZ/A	MP									
9	SELECT	2	EC	6	OZ/A	MP									
9	HM8802-A	100	L	.5	% V/V	MP									
9	LIQUID N		L	4	QT/A	MP									
10	CLASSIC	25	DF	.33	OZ WT/A	MP	0	93	95	87	0	88	87	72	
10	FLEXSTAR HL	1.88	CS	8	OZ/A	MP									
10	SELECT	2	EC	6	OZ/A	MP									
10	HM8802-A	100	L	.5	% V/V	MP									
10	HM9541-A	100	L	64	OZ/100 GAL	MP									
11	UNTREATED CHECK						0	0	0	0	0	0	0	0	
LSD (P=.05)							0.0	6.3	5.7	21.5	0.0	10.5	9.8	27.6	
Standard Deviation							0.0	3.7	3.4	12.6	0.0	6.2	5.8	16.2	
CV							0.0	4.28	4.1	19.03	0.0	7.64	7.27	27.35	

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

SOYBEAN POSTEMERGENCE VIII

Trial ID: 98H37ML1
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	PURSUIT	70	DF	1.07	OZ/A	MP	0	88	90	60
1	SELECT	2	EC	6	OZ/A	MP				
1	HM8802-A	100	L	.5	% V/V	MP				
2	PURSUIT	70	DF	1.07	OZ/A	MP	0	92	88	68
2	SELECT	2	EC	6	OZ/A	MP				
2	HM8802-A	100	L	.5	% V/V	MP				
2	AMS	100	SG	2.5	LB/A	MP				
3	PURSUIT	70	DF	1.07	OZ/A	MP	0	93	88	68
3	SELECT	2	EC	6	OZ/A	MP				
3	HM8802-A	100	L	.5	% V/V	MP				
3	LIQUID N		L	1	QT/A	MP				
4	PURSUIT	70	DF	1.07	OZ/A	MP	0	88	90	68
4	SELECT	2	EC	6	OZ/A	MP				
4	HM8802-A	100	L	.5	% V/V	MP				
4	LIQUID N		L	2	QT/A	MP				
5	PURSUIT	70	DF	1.07	OZ/A	MP	0	90	85	70
5	SELECT	2	EC	6	OZ/A	MP				
5	HM8802-A	100	L	.5	% V/V	MP				
5	HM9541-A	100	L	64	OZ/100 GAL	MP				
6	CLASSIC	25	DF	.33	OZ WT/A	MP	0	90	87	80
6	FLEXSTAR HL	1.88	CS	8	OZ/A	MP				
6	SELECT	2	EC	6	OZ/A	MP				
6	HM8802-A	100	L	.5	% V/V	MP				
7	CLASSIC	25	DF	.33	OZ WT/A	MP	0	88	80	78
7	FLEXSTAR HL	1.88	CS	8	OZ/A	MP				
7	SELECT	2	EC	6	OZ/A	MP				
7	HM8802-A	100	L	.5	% V/V	MP				
7	AMS	100	SG	2	LB/A	MP				
8	CLASSIC	25	DF	.33	OZ WT/A	MP	0	90	92	88
8	FLEXSTAR HL	1.88	CS	8	OZ/A	MP				
8	SELECT	2	EC	6	OZ/A	MP				
8	HM8802-A	100	L	.5	% V/V	MP				
8	LIQUID N		L	2	QT/A	MP				

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

SOYBEAN POSTEMERGENCE VIII

Trial ID: 98H37ML1 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
9	CLASSIC	25	DF	.33	OZ WT/A	MP	0	88	92	85
9	FLEXSTAR HL	1.88	CS	8	OZ/A	MP				
9	SELECT	2	EC	6	OZ/A	MP				
9	HM8802-A	100	L	.5	% V/V	MP				
9	LIQUID N		L	4	QT/A	MP				
10	CLASSIC	25	DF	.33	OZ WT/A	MP	0	88	87	82
10	FLEXSTAR HL	1.88	CS	8	OZ/A	MP				
10	SELECT	2	EC	6	OZ/A	MP				
10	HM8802-A	100	L	.5	% V/V	MP				
10	HM9541-A	100	L	64	OZ/100 GAL	MP				
11	UNTREATED CHECK						0	0	0	0
LSD (P=.05)							0.0	7.8	10.4	21.6
Standard Deviation							0.0	4.6	6.1	12.7
CV							0.0	5.62	7.64	18.68

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

SOYBEAN POSTEMERGENCE VIII

Trial ID: 98H37ML1 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Trial Status: Complete Initiation Date: 5-13-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. CHEAL C. LAMBSQUARTERS 3. XANST C. COCKLEBUR
4. IPOHE IVYLEAF MG

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-13-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 5-23-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-28-98					
Time of Day:	4:00 PM					
Application Method:	SPRAY					
Application Timing:	MP					
Applic. Placement:	BROFOL					
Air Temp., Unit:	72 F					
% Relative Humidity:	80					
Wind Velocity, Unit:	3 MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	65 F					
Soil Moisture:	ADEQUATE					

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
Stage Scale:	1 TRIFOL					
Height, Unit:	4 IN					

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

SOYBEAN POSTEMERGENCE VIII

Trial ID: 98H37ML1 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA						
Stage Scale:	3	LF				
Density, Unit:	3	IN				
CHEAL						
Stage Scale:	4	LF				
Density, Unit:	1	IN				
XANST						
Stage Scale:	4	LF				
Density, Unit:	4	IN				
IPOHE						
Stage Scale:	2	LF				
Density, Unit:	2	IN				

APPLICATION EQUIPMENT

	A	B	C	D	E	F
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:	19	IN				
Ground Speed, Unit:	4	MPH				
Carrier:	WATER					
Spray Volume, Unit:	24	GPA				
Propellant:	CO2					

Trt No Treatment Application Comment

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

SOYBEAN POSTEMERGENCE IX

Trial ID: 98H37ML2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
1	PURSUIT	70	DF	1.07	OZ/A	MP	40	93	87	93	77	40	93	87	93	77
1	SELECT	2	EC	6	OZ/A	MP										
1	HM8802-A	100	L	.5	% V/V	MP										
2	PURSUIT	70	DF	1.07	OZ/A	MP	27	60	50	63	67	27	60	50	63	67
2	SELECT	2	EC	6	OZ/A	MP										
2	HM8802-A	100	L	.5	% V/V	MP										
2	AMS	100	SG	2.5	LB/A	MP										
3	PURSUIT	70	DF	1.07	OZ/A	MP	43	93	77	90	83	43	93	77	90	83
3	SELECT	2	EC	6	OZ/A	MP										
3	HM8802-A	100	L	.5	% V/V	MP										
3	LIQUID N		L	1	QT/A	MP										
4	PURSUIT	70	DF	1.07	OZ/A	MP	47	97	87	93	80	47	97	87	93	80
4	SELECT	2	EC	6	OZ/A	MP										
4	HM8802-A	100	L	.5	% V/V	MP										
4	LIQUID N		L	2	QT/A	MP										
5	PURSUIT	70	DF	1.07	OZ/A	MP	47	93	93	97	83	47	93	93	97	83
5	SELECT	2	EC	6	OZ/A	MP										
5	HM8802-A	100	L	.5	% V/V	MP										
5	HM9541-A	100	L	64	OZ/100 GAL	MP										
6	PURSUIT	70	DF	1.07	OZ/A	MP	40	87	90	93	73	40	87	90	93	73
6	SELECT	2	EC	6	OZ/A	MP										
6	HM8802-A	100	L	.5	% V/V	MP										
7	PURSUIT	70	DF	1.07	OZ/A	MP	47	100	87	97	70	47	100	87	97	70
7	SELECT	2	EC	6	OZ/A	MP										
7	HM8802-A	100	L	.5	% V/V	MP										
7	AMS	100	SG	2	LB/A	MP										
8	PURSUIT	70	DF	1.07	OZ/A	MP	43	97	93	97	83	43	97	93	97	83
8	SELECT	2	EC	6	OZ/A	MP										
8	HM8802-A	100	L	.5	% V/V	MP										
8	LIQUID N		L	2	QT/A	MP										

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

SOYBEAN POSTEMERGENCE IX

Trial ID: 98H37ML2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	1 WEEK	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0	0
Footnote Number										
Trt-Eval Interval										
PRM Data Type										
# Subsamples, Dec.										

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
9	PURSUIT	70	DF	1.07	OZ/A	MP	43	97	93	100	67	43	97	93	100	67
9	SELECT	2	EC	6	OZ/A	MP										
9	HM8802-A	100	L	.5	% V/V	MP										
9	LIQUID N		L	4	QT/A	MP										
10	PURSUIT	70	DF	1.07	OZ/A	MP	43	97	87	97	77	43	97	87	97	77
10	SELECT	2	EC	6	OZ/A	MP										
10	HM8802-A	100	L	.5	% V/V	MP										
10	HM9541-A	100	L	64	OZ/100 GAL	MP										
11	UNTREATED CHECK						17	33	33	33	33	17	33	33	33	33
LSD (P=.05)							25.8	43.4	45.9	43.9	35.9	25.8	43.4	45.9	43.9	35.9
Standard Deviation							15.2	25.5	27.0	25.8	21.1	15.2	25.5	27.0	25.8	21.1
CV							38.18	29.6	33.83	29.76	29.22	38.18	29.6	33.83	29.76	29.22

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

SOYBEAN POSTEMERGENCE IX

Trial ID: 98H37ML2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
1	PURSUIT	70	DF	1.07	OZ/A	MP	0	93	90	90	77	0	93	90	90	80
1	SELECT	2	EC	6	OZ/A	MP										
1	HM8802-A	100	L	.5	% V/V	MP										
2	PURSUIT	70	DF	1.07	OZ/A	MP	0	87	83	90	67	0	87	83	90	47
2	SELECT	2	EC	6	OZ/A	MP										
2	HM8802-A	100	L	.5	% V/V	MP										
2	AMS	100	SG	2.5	LB/A	MP										
3	PURSUIT	70	DF	1.07	OZ/A	MP	0	90	93	93	83	0	90	93	93	77
3	SELECT	2	EC	6	OZ/A	MP										
3	HM8802-A	100	L	.5	% V/V	MP										
3	LIQUID N		L	1	QT/A	MP										
4	PURSUIT	70	DF	1.07	OZ/A	MP	3	90	90	90	80	0	90	90	90	87
4	SELECT	2	EC	6	OZ/A	MP										
4	HM8802-A	100	L	.5	% V/V	MP										
4	LIQUID N		L	2	QT/A	MP										
5	PURSUIT	70	DF	1.07	OZ/A	MP	3	93	87	93	83	0	93	87	93	80
5	SELECT	2	EC	6	OZ/A	MP										
5	HM8802-A	100	L	.5	% V/V	MP										
5	HM9541-A	100	L	64	OZ/100 GAL	MP										
6	PURSUIT	70	DF	1.07	OZ/A	MP	0	93	90	93	73	0	93	90	93	73
6	SELECT	2	EC	6	OZ/A	MP										
6	HM8802-A	100	L	.5	% V/V	MP										
7	PURSUIT	70	DF	1.07	OZ/A	MP	0	97	93	93	70	0	97	93	93	77
7	SELECT	2	EC	6	OZ/A	MP										
7	HM8802-A	100	L	.5	% V/V	MP										
7	AMS	100	SG	2	LB/A	MP										
8	PURSUIT	70	DF	1.07	OZ/A	MP	0	93	87	90	83	0	93	87	90	67
8	SELECT	2	EC	6	OZ/A	MP										
8	HM8802-A	100	L	.5	% V/V	MP										
8	LIQUID N		L	2	QT/A	MP										

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

SOYBEAN POSTEMERGENCE IX

Trial ID: 98H37ML2
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS
Crop Code										
Part Rated										
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date										
Footnote Number										
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	XANST	ABUTH	IPOSS	GLYMA	SETFA	XANST	ABUTH	IPOSS	
9	PURSUIT	70	DF	1.07	OZ/A	MP	0	93	87	93	67	0	93	87	93	67	
9	SELECT	2	EC	.6	OZ/A	MP											
9	HM8802-A	100	L	.5	% V/V	MP											
9	LIQUID N		L	4	QT/A	MP											
10	PURSUIT	70	DF	1.07	OZ/A	MP	0	90	93	97	77	0	90	93	97	73	
10	SELECT	2	EC	.6	OZ/A	MP											
10	HM8802-A	100	L	.5	% V/V	MP											
10	HM9541-A	100	L	64	OZ/100 GAL	MP											
11	UNTREATED CHECK						0	0	0	0	33	0	0	0	0	0	
LSD (P=.05)							4.0	7.6	7.8	7.2	35.9	0.0	7.6	7.8	7.2	23.0	
Standard Deviation							2.3	4.4	4.6	4.2	21.1	0.0	4.4	4.6	4.2	13.5	
CV							385.36	5.31	5.67	5.04	29.22	0.0	5.31	5.67	5.04	20.41	

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

SOYBEAN POSTEMERGENCE IX

Trial ID: 98H37ML2 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Trial Status: Complete Initiation Date: 5-5-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. CHEAL C. LAMBSQUARTERS 3. IPOHE IVYLEAF MG
4. XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 5-15-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-27-98					
Time of Day:	2:00 PM					
Application Method:	SPRAY					
Application Timing:	MP					
Applic. Placement:	BROFOL					
Air Temp., Unit:	66 F					
% Relative Humidity:	80					
Wind Velocity, Unit:	3 MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	66 F					
Soil Moisture:	ADEQUATE					

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
Stage Scale:	2	TRIFOL				
Height, Unit:	3	IN				

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

SOYBEAN POSTEMERGENCE IX

Trial ID: 98H37ML2

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA						
Stage Scale:	4 LF					
Density, Unit:	3.5 IN					
CHEAL						
Stage Scale:	8 LF					
Density, Unit:	2 IN					
IPOHE						
Stage Scale:	4 LF					
Density, Unit:	3 IN					
XANST						
Stage Scale:	6 LF					
Density, Unit:	3 IN					

APPLICATION EQUIPMENT

	A	B	C	D	E	F
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:	19 IN					
Ground Speed, Unit:	4 MPH					
Carrier:	WATER					
Spray Volume, Unit:	24 GPA					
Propellant:	CO2					

Trt No

Treatment Application Comment

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

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S8034

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
1	LIBERTY	1.67	E	.27	LB A/A	MP	0	97	93	100	0	92	88	93
1	AMS	100	SG	3	LB/A	MP								
1	LIBERTY	1.67	E	.27	LB A/A	SEQ								
1	AMS	100	SG	3	LB/A	SEQ								
2	LIBERTY	1.67	E	.27	LB A/A	LP	0	92	100	93	0	88	100	88
2	AMS	100	SG	3	LB/A	LP								
2	LIBERTY	1.67	E	.27	LB A/A	SEQ								
2	AMS	100	SG	3	LB/A	SEQ								
3	LIBERTY	1.67	E	.36	LB A/A	LP	0	92	98	97	0	80	97	92
3	AMS	100	SG	3	LB/A	LP								
3	LIBERTY	1.67	E	.27	LB A/A	SEQ								
3	AMS	100	SG	3	LB/A	SEQ								
4	LIBERTY	1.67	E	.36	LB A/A	LP	0	97	98	97	0	93	95	93
4	AMS	100	SG	3	LB/A	LP								
5	CANOPY	75	DF	.187	LB A/A	PRE	0	95	95	100	0	92	92	100
5	LIBERTY	1.67	E	.27	LB A/A	MP								
5	AMS	100	SG	3	LB/A	MP								
6	UK 5000			.87	LB A/A	PRE	53	100	98	100	53	100	95	100
6	PURSUIT	70	DF	.063	LB A/A	MP								
6	COC		L	.5	QT/A	MP								
6	LIQUID N		L	1	QT/A	MP								
7	PROWL	3.3	EC	1.24	LB A/A	PRE	0	100	95	100	0	98	95	100
7	LIBERTY	1.67	E	.27	LB A/A	MP								
7	AMS	100	SG	3	LB/A	MP								
8	PROWL	3.3	EC	1.24	LB A/A	PRE	0	100	97	100	0	98	98	100
8	LIBERTY	1.67	E	.27	LB A/A	LP								
8	AMS	100	SG	3	LB/A	LP								
9	USA 1999	75	DF	.5	LB A/A	PRE	0	65	63	67	0	63	63	67
9	LIBERTY	1.67	E	.27	LB A/A	MP								
9	AMS	100	SG	3	LB/A	MP								

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S8034
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
Crop Code								
Part Rated								
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	XANST	CHEAL	GLXMA	SETFA	XANST	CHEAL
10	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	92	100	0	100	90	98
10	LIBERTY	1.67	E	.27	LB A/A	MP								
10	AMS	100	SG	3	LB/A	MP								
11	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	92	100	0	100	92	100
11	LIBERTY	1.67	E	.27	LB A/A	MP								
11	AMS	100	SG	3	LB/A	MP								
12	CHECK						0	0	0	0	0	0	0	0
LSD (P=.05)							5.6	27.6	26.2	28.0	5.6	27.8	26.4	28.8
Standard Deviation							3.3	16.3	15.5	16.5	3.3	16.4	15.6	17.0
CV							75.0	18.83	18.19	18.81	75.0	19.62	18.62	19.79

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

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S8034

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code		SETFA	XANST	CHEAL
Crop Code	GLXMA			
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	LIBERTY	1.67	E	.27	LB A/A	MP	0	92	85	93
1	AMS	100	SG	3	LB/A	MP				
1	LIBERTY	1.67	E	.27	LB A/A	SEQ				
1	AMS	100	SG	3	LB/A	SEQ				
2	LIBERTY	1.67	E	.27	LB A/A	LP	0	90	97	88
2	AMS	100	SG	3	LB/A	LP				
2	LIBERTY	1.67	E	.27	LB A/A	SEQ				
2	AMS	100	SG	3	LB/A	SEQ				
3	LIBERTY	1.67	E	.36	LB A/A	LP	0	87	97	93
3	AMS	100	SG	3	LB/A	LP				
3	LIBERTY	1.67	E	.27	LB A/A	SEQ				
3	AMS	100	SG	3	LB/A	SEQ				
4	LIBERTY	1.67	E	.36	LB A/A	LP	0	95	95	93
4	AMS	100	SG	3	LB/A	LP				
5	CANOPY	75	DF	.187	LB A/A	PRE	0	92	92	100
5	LIBERTY	1.67	E	.27	LB A/A	MP				
5	AMS	100	SG	3	LB/A	MP				
6	UK 5000			.87	LB A/A	PRE	53	100	92	98
6	PURSUIT	70	DF	.063	LB A/A	MP				
6	COC		L	.5	QT/A	MP				
6	LIQUID N		L	1	QT/A	MP				
7	PROWL	3.3	EC	1.24	LB A/A	PRE	0	98	88	100
7	LIBERTY	1.67	E	.27	LB A/A	MP				
7	AMS	100	SG	3	LB/A	MP				
8	PROWL	3.3	EC	1.24	LB A/A	PRE	0	98	98	100
8	LIBERTY	1.67	E	.27	LB A/A	LP				
8	AMS	100	SG	3	LB/A	LP				
9	USA 1999	75	DF	.5	LB A/A	PRE	0	63	62	67
9	LIBERTY	1.67	E	.27	LB A/A	MP				
9	AMS	100	SG	3	LB/A	MP				

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

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S8034
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	XANST	CHEAL
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
10	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	88	98
10	LIBERTY	1.67	E	.27	LB A/A	MP				
10	AMS	100	SG	3	LB/A	MP				
11	FRONTIER	6	E	1.3	LB A/A	PRE	0	100	80	100
11	LIBERTY	1.67	E	.27	LB A/A	MP				
11	AMS	100	SG	3	LB/A	MP				
12	CHECK						0	0	0	0
LSD (P=.05)							5.6	27.5	26.6	29.1
Standard Deviation							3.3	16.2	15.7	17.2
CV							75.0	19.19	19.34	20.01

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

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S8034 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 405226

Trial Status: Complete Initiation Date: 5-5-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. CHEAL C. LAMBSQUARTERS 3. IPOHE IVYLEAF MG
4. XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: A 2704 LL Planting Date: 5-5-98
Planting Method: ROW Rate: 180000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: BELOW NORMAL Emergence Date: 5-15-98

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-5-98	5-26-98	6-1-98			
Time of Day:	3:00 PM	2:00 PM	10:00 AM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	58 F	66 F	70 F			
% Relative Humidity:	80	90	80			
Wind Velocity, Unit:	2 MPH	2 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	62 F	68 F	72 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S8034

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		1 LF	2 LF			
		2 IN	5 IN			
CHEAL		6 LF	10 LF			
		2 IN	3 IN			
IPOHE		3 LF	3 LF			
		2 IN	3 IN			
XANST		4 LF	6 LF			
		3 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No

Treatment Application Comment

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S8019
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
1	COMMAND	3	ME	.75	LB A/A	1WK	3	100	100	3	95	98	3	95	97
1	AUTHORITY BROADLEAF														
1	AUTHORITY	75	DF	.073	LB A/A	1WK									
1	CLASSIC	25	DF	.015	LB A/A	1WK									
1	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
1	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
2	COMMAND	3	ME	.75	LB A/A	1WK	2	72	98	2	60	95	2	65	93
2	AUTHORITY BROADLEAF														
2	AUTHORITY	75	DF	.1875	LB A/A	1WK									
2	CLASSIC	25	DF	.0375	LB A/A	1WK									
2	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
3	COMMAND	3	ME	.75	LB A/A	1WK	2	62	63	2	53	60	2	52	57
3	SULFENTRAZONE	75	DF	.25	LB A/A	1WK									
3	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
3	COC		L	1	QT/A	1WK									
4	AUTHORITY BROADLEAF						2	90	98	2	93	97	2	93	97
4	AUTHORITY	75	DF	.177	LB A/A	1WK									
4	CLASSIC	25	DF	.024	LB A/A	1WK									
4	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
4	COC		L	1	QT/A	1WK									
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
5	SULFENTRAZONE	75	DF	.25	LB A/A	1WK	5	95	98	5	95	97	5	95	90
5	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
5	COC		L	1	QT/A	1WK									
5	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
6	CANOPY	75	DF	.188	LB A/A	1WK	20	90	98	20	95	100	20	95	100
6	GRAMOXONE EXTRA	2.5	AS	.48	LB A/A	1WK									
6	COC		L	1	QT/A	1WK									
6	ASSURE II	.8	EC	.07	LB A/A	MP									
6	CLASSIC	25	DF	.012	LB A/A	MP									
6	COBRA	2	EC	.063	LB A/A	MP									
6	COC		L	1	QT/A	MP									
6	AMS	100	SG	2	LB A/A	MP									

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S8019
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code	INJURY PERCENT			CONTROL PERCENT			CONTROL PERCENT		
Part Rated	2 WEEKS			2 WEEKS			2 WEEKS		
Rating Data Type	P			P			P		
Rating Unit	0			0			0		
Rating Date									
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
7	CANOPY XL						5	88	92	5	95	95	5	95	93
7	AUTHORITY	75	DF	.2	LB A/A	1WK									
7	CLASSIC	25	DF	.04	LB A/A	1WK									
7	GRAMOXONE EXTRA	2.5	AS	.48	LB A/A	1WK									
7	COC		L	1	QT/A	1WK									
7	ASSURE II	.8	EC	.07	LB A/A	MP									
7	CLASSIC	25	DF	.012	LB A/A	MP									
7	COC		L	1	QT/A	MP									
8	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK	77	75	100	77	32	100	77	35	100
8	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
8	PURSUIT	70	DF	.063	LB A/A	MP									
8	COBRA	2	EC	.125	LB A/A	MP									
8	SELECT	2	EC	.094	LB A/A	MP									
8	COC		L	1	QT/A	MP									
8	LIQUID N		L	1	QT/A	MP									
9	SQUADRON	2.33	EC	.87	LB A/A	1WK	2	83	35	2	82	27	2	82	25
9	PROWL	3.3	EC	.41	LB A/A	1WK									
9	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK									
10	PROWL	3.3	EC	.41	LB A/A	1WK	27	47	35	27	70	38	27	70	37
10	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK									
10	PURSUIT	70	DF	.063	LB A/A	MP									
10	COC		L	.5	QT/A	MP									
10	LIQUID N		L	1	QT/A	MP									
11	TOUCHDOWN 5	5	SL	.94	LB A/A	1WK	47	100	100	47	97	100	47	97	100
11	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
11	FUSION	2.66	EC	.21	LB A/A	MP									
11	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
11	MSO		L	1	% V/V	MP									
12	TOUCHDOWN 5	5	SL	.94	LB A/A	PRE	42	100	100	42	98	98	42	98	98
12	WEEDONE 638	2.8	E	.5	LB A/A	PRE									
12	FUSION	2.66	EC	.21	LB A/A	MP									
12	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
12	MSO		L	1	% V/V	MP									

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S8019 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
13	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	1WK	7	100	62	7	97	62	7	97	57
13	WEEDONE 638	2.8	E	.5	LB A/A	1WK									
13	INDUCE			.25	% V/V	1WK									
13	FUSION	2.66	EC	.21	LB A/A	MP									
13	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
13	MSO		L	1	% V/V	MP									
14	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	47	100	98	47	98	98	47	95	97
14	WEEDONE 638	2.8	E	.5	LB A/A	PRE									
14	INDUCE			.25	% V/V	PRE									
14	FUSION	2.66	EC	.21	LB A/A	MP									
14	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
14	MSO		L	1	% V/V	MP									
15	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK	7	93	77	7	93	85	7	93	87
15	CANOPY	75	DF	.188	LB A/A	1WK									
15	SYNCHRONY STS	25	DF	.013	LB A/A	MP									
15	ASSURE II	.8	EC	.07	LB A/A	MP									
15	COC		L	1	QT/A	MP									
15	LIQUID N		L	2	QT/A	MP									
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	10	92	87	10	95	90	10	95	88
16	CANOPY	75	DF	.188	LB A/A	PRE									
16	SYNCHRONY STS	25	DF	.013	LB A/A	MP									
16	ASSURE II	.8	EC	.07	LB A/A	MP									
16	COC		L	1	QT/A	MP									
16	LIQUID N		L	2	QT/A	MP									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	3	77	80	3	85	85	3	85	85
17	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
18	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	5	73	58	5	83	73	5	85	73
18	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
18	ROUNDUP ULTRA	4	AS	.5	LB A/A	REG									
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	20	53	57	20	77	30	20	75	25
19	CONCLUDE XTRA	3	E												
19	STORM	4	EC	.75	LB A/A	MP									
19	SELECT	2	EC	.125	LB A/A	MP									
19	COC		L	1	QT/A	MP									

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S8019 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	18	98	88	18	80	78	18	82	75
20	BLAZER	2	L	.25	LB A/A	MP									
20	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	20	87	60	20	92	27	20	92	25
21	CONCLUDE ULTRA														
21	STORM	4	EC	.75	LB A/A	MP									
21	POAST HC	3.8	EC	.188	LB A/A	MP									
21	COC		L	1	QT/A	MP									
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	53	95	95	53	85	90	53	83	83
22	SELECT	2	EC	.125	LB A/A	MP									
22	COBRA	25	WP	.2	LB A/A	MP									
22	COC		L	1	QT/A	MP									
LSD (P=.05)							14.9	28.0	39.0	14.9	28.3	36.9	14.9	28.0	35.0
Standard Deviation							9.0	17.0	23.6	9.0	17.1	22.3	9.0	17.0	21.2
CV							47.09	20.0	29.2	47.09	20.36	28.53	47.09	20.17	27.74

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S8019 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBTR GIANT RAGWEED 3.IPOHE IVYLEAF MG
Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILLED Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 5-22-98
Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4.1 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-7-98	5-12-98	6-3-98	6-8-98		
Time of Day:	11:00 AM	2:00 PM	3:00 PM	1:00 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	1 WK	PRE	MP	LP		
Applic. Placement:	BROSOI	BROSOI	BROFOL	BROFOL		
Air Temp., Unit:	66 F	64 F	70 F	62 F		
% Relative Humidity:	70	60	85	70		
Wind Velocity, Unit:	2 MPH	4 MPH	1 MPH	3 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	64 F	65 F	72 F	64 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		UNIFOL	1 TRIFOL			
		2 IN	4 IN			

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S8019 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA			1 LF	2 LF		
			3 IN	5 IN		
AMBTR			4 LF	8 LF		
			3 IN	5 IN		
IPOHE			4 LF	6 LF		
			4 IN	6 IN		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	4 WHEELER	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:	6.33 FT	6.33 FT	6.33 FT	6.33 FT		
Boom Height, Unit:	19 IN	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S8017
Location: LEXINGTON, KY

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type									
Rating Unit									
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
1	COMMAND	3	ME	.75	LB A/A	1WK	0	93	87	0	93	77	0	93	88
1	AUTHORITY BROADLEAF														
1	AUTHORITY	75	DF	.073	LB A/A	1WK									
1	CLASSIC	25	DF	.015	LB A/A	1WK									
1	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
1	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
2	COMMAND	3	ME	.75	LB A/A	1WK	0	95	92	0	87	88	0	87	88
2	AUTHORITY BROADLEAF														
2	AUTHORITY	75	DF	.1875	LB A/A	1WK									
2	CLASSIC	25	DF	.0375	LB A/A	1WK									
2	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
3	COMMAND	3	ME	.75	LB A/A	1WK	0	90	88	0	93	87	0	93	83
3	SULFENTRAZONE	75	DF	.25	LB A/A	1WK									
3	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
3	COC		L	1	QT/A	1WK									
4	AUTHORITY BROADLEAF						0	27	63	0	82	83	0	85	87
4	AUTHORITY	75	DF	.177	LB A/A	1WK									
4	CLASSIC	25	DF	.024	LB A/A	1WK									
4	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
4	COC		L	1	QT/A	1WK									
4	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
5	SULFENTRAZONE	75	DF	.25	LB A/A	1WK	0	78	92	0	83	87	0	87	87
5	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
5	COC		L	1	QT/A	1WK									
5	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
6	CANOPY	75	DF	.188	LB A/A	1WK	7	88	88	7	92	90	7	92	90
6	GRAMOXONE EXTRA	2.5	AS	.48	LB A/A	1WK									
6	COC		L	1	QT/A	1WK									
6	ASSURE II	.8	EC	.07	LB A/A	MP									
6	CLASSIC	25	DF	.012	LB A/A	MP									
6	COBRA	2	EC	.063	LB A/A	MP									
6	COC		L	1	QT/A	MP									
6	AMS	100	SG	2	LB A/A	MP									

Dept. of Agronomy, Univ. of KY
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MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S8017

Investigator:

Location: LEXINGTON, KY

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
7	CANOPY XL						0	88	92	0	90	90	0	90	90
7	AUTHORITY	75	DF	.2	LB A/A	1WK									
7	CLASSIC	25	DF	.04	LB A/A	1WK									
7	GRAMOXONE EXTRA	2.5	AS	.48	LB A/A	1WK									
7	COC		L	1	QT/A	1WK									
7	ASSURE II	.8	EC	.07	LB A/A	MP									
7	CLASSIC	25	DF	.012	LB A/A	MP									
7	COC		L	1	QT/A	MP									
8	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK	43	83	92	43	87	88	43	87	88
8	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
8	PURSUIT	70	DF	.063	LB A/A	MP									
8	COBRA	2	EC	.125	LB A/A	MP									
8	SELECT	2	EC	.094	LB A/A	MP									
8	COC		L	1	QT/A	MP									
8	LIQUID N		L	1	QT/A	MP									
9	SQUADRON	2.33	EC	.87	LB A/A	1WK	0	92	92	0	92	90	0	92	90
9	PROWL	3.3	EC	.41	LB A/A	1WK									
9	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK									
10	PROWL	3.3	EC	.41	LB A/A	1WK	10	92	80	10	92	83	10	92	87
10	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK									
10	PURSUIT	70	DF	.063	LB A/A	MP									
10	COC		L	.5	QT/A	MP									
10	LIQUID N		L	1	QT/A	MP									
11	TOUCHDOWN 5	5	SL	.94	LB A/A	1WK	20	87	80	20	90	77	20	90	83
11	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
11	FUSION	2.66	EC	.21	LB A/A	MP									
11	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
11	MSO		L	1	% V/V	MP									
12	TOUCHDOWN 5	5	SL	.94	LB A/A	PRE	30	87	67	30	87	80	30	90	88
12	WEEDONE 638	2.8	E	.35	LB A/A	PRE									
12	FUSION	2.66	EC	.21	LB A/A	MP									
12	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
12	MSO		L	1	% V/V	MP									

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

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S8017 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
13	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	1WK	0	85	83	0	87	72	0	87	75
13	WEEDONE 638	2.8	E	.35	LB A/A	1WK									
13	INDUCE			.25	% V/V	1WK									
13	FUSION	2.66	EC	.21	LB A/A	MP									
13	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
13	MSO		L	1	% V/V	MP									
14	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	10	77	80	10	85	83	10	88	90
14	WEEDONE 638	2.8	E	.35	LB A/A	PRE									
14	INDUCE			.25	% V/V	PRE									
14	FUSION	2.66	EC	.21	LB A/A	MP									
14	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
14	MSO		L	1	% V/V	MP									
15	ROUNDUP ULTRA	4	AS	1	LB A/A	1WK	0	87	90	0	90	90	0	90	90
15	CANOPY	75	DF	.188	LB A/A	1WK									
15	SYNCHRONY STS	25	DF	.013	LB A/A	MP									
15	ASSURE II	.8	EC	.07	LB A/A	MP									
15	COC		L	1	QT/A	MP									
15	LIQUID N		L	2	QT/A	MP									
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	87	0	90	90	0	90	90
16	CANOPY	75	DF	.188	LB A/A	PRE									
16	SYNCHRONY STS	25	DF	.013	LB A/A	MP									
16	ASSURE II	.8	EC	.07	LB A/A	MP									
16	COC		L	1	QT/A	MP									
16	LIQUID N		L	2	QT/A	MP									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	85	88	0	90	92	0	90	92
17	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
18	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	82	0	90	88	0	90	88
18	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
18	ROUNDUP ULTRA	4	AS	.5	LB A/A	REG									
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	88	83	0	90	77	0	90	80
19	CONCLUDE XTRA														
19	STORM	4	EC	.75	LB A/A	MP									
19	SELECT	2	EC	.125	LB A/A	MP									
19	COC		L	1	QT/A	MP									

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

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S8017 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	83	53	0	90	90	0	90	90
20	BLAZER	2	L	.25	LB A/A	MP									
20	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	87	33	0	83	40	0	83	53
21	CONCLUDE ULTRA														
21	STORM	4	EC	.75	LB A/A	MP									
21	POAST HC	3.8	EC	.188	LB A/A	MP									
21	COC		L	1	QT/A	MP									
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	7	73	80	7	87	70	7	87	70
22	SELECT	2	EC	.125	LB A/A	MP									
22	COBRA	25	WP	.2	LB A/A	MP									
22	COC		L	1	QT/A	MP									
LSD (P=.05)							6.9	15.1	17.6	6.9	7.6	14.2	6.9	7.2	14.5
Standard Deviation							4.2	9.2	10.7	4.2	4.6	8.6	4.2	4.4	8.8
CV							73.02	10.95	13.24	73.02	5.22	10.46	73.02	4.91	10.36

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

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S8017 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-7-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. AMBTR GIANT RAGWEED 3. IPHOE IVYLEAF MG

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILLED Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 65 F Soil Moisture: NORMAL Emergence Date: 5-22-98

Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: MINIMUM-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4.1 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-7-98	5-12-98	6-3-98	6-8-98		
Time of Day:	11:00 AM	2:00 PM	3:00 PM	1:00 PM		
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY		
Application Timing:	1 WK	PRE	MP	LP		
Applic. Placement:	BROSOI	BROSOI	BROFOL	BROFOL		
Air Temp., Unit:	66 F	64 F	70 F	62 F		
% Relative Humidity:	70	60	85	70		
Wind Velocity, Unit:	2 MPH	4 MPH	1 MPH	3 MPH		
Dew Presence (Y/N):	N	N	N	N		
Soil Temp., Unit:	64 F	65 F	72 F	65 F		
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE		

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA			UNIFOL	1 TRIFOL		
			2 IN	4 IN		

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

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S8017 Investigator:
Location: LEXINGTON, KY Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA			2 LF	2 LF		
			3 IN	5 IN		
AMBTR			4 LF	8 LF		
			3 IN	5 IN		
IPHOE			4 LF	6 LF		
			4 IN	6 IN		

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	4 WHEELER	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:	6.33 FT	6.33 FT	6.33 FT	6.33 FT		
Boom Height, Unit:	19 IN	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA		
Propellant:	CO2	CO2	CO2	CO2		

Trt No Treatment Application Comment

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S8020
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
										INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT
										2 WEEK P	2 WEEK P	2 WEEK P	4 WEEK P	4 WEEK P	4 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P
										0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
7	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	13	88	57	13	88	47	8	88	20
7	PROWL	3.3	EC	1	LB A/A	PRE									
7	PURSUIT	70	DF	.063	LB A/A	MP									
7	STATUS	2	EC	.156	LB A/A	MP									
7	INDUCE			.25	% V/V	MP									
7	LIQUID N		L	1	QT/A	MP									
8	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	83	33	0	83	27	0	83	23
8	PROWL	3.3	EC	1	LB A/A	PRE									
8	RAPTOR	1	E	.032	LB A/A	MP									
8	INDUCE			.25	% V/V	MP									
8	LIQUID N		L	1	QT/A	MP									
9	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	5	43	33	7	37	23	0	30	17
9	RAPTOR	1	E	.04	LB A/A	MP									
9	INDUCE			.25	% V/V	MP									
9	LIQUID N		L	1	QT/A	MP									
10	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	7	92	80	7	88	40	0	82	27
10	SQUADRON	2.33	EC	.87	LB A/A	PRE									
10	PROWL	3.3	EC	.5	LB A/A	PRE									
10	STATUS	2	EC	.156	LB A/A	MP									
10	INDUCE			.25	% V/V	MP									
11	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	92	83	0	90	80	0	90	78
11	SQUADRON	2.33	EC	.87	LB A/A	PRE									
11	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
12	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	95	93	0	95	93	0	95	93
12	SQUADRON	2.33	EC	.87	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
13	COMMAND	3	ME	.5	LB A/A	PRE	0	95	63	0	90	60	0	90	85
13	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE									
13	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
14	COMMAND	3	ME	.75	LB A/A	PRE	0	95	75	0	92	85	0	92	87
14	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE									
14	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S8020 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
15	AUTHORITY BROADLEAF					PRE	0	93	80	0	93	87	0	93	90
15	AUTHORITY	75	DF	.24	LB A/A	PRE									
15	CLASSIC	25	DF	.04	LB A/A	PRE									
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE									
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
16	SENCOR	75	DF	.3	LB A/A	PRE	0	90	90	0	87	90	0	90	90
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE									
16	AMS	100	SG	2	% V/V	PRE									
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP									
16	AMS	100	SG	2	% V/V	LP									
17	USA 1999	75	DF	.5	LB A/A	PRE	0	93	87	0	93	88	0	93	87
17	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE									
17	AMS	100	SG	2	% V/V	PRE									
17	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP									
17	AMS	100	SG	2	% V/V	LP									
18	USA 1999	75	DF	.5	LB A/A	PRE	0	95	95	0	93	95	0	93	92
18	WEEDONE 638	2.8	E	.475	LB A/A	PRE									
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP									
18	AMS	100	SG	2	% V/V	LP									
19	SENCOR	75	DF	.375	LB A/A	PRE	0	95	95	0	93	95	0	93	85
19	WEEDONE 638	2.8	E	.475	LB A/A	PRE									
19	COC		L	1	QT/A	PRE									
19	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP									
19	AMS	100	SG	2	% V/V	LP									
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	92	93	0	92	93	0	92	88
20	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP									
20	AMS	100	SG	2	% V/V	LP									
LSD (P=.05)							4.7	4.4	9.3	5.9	7.8	11.5	6.7	10.2	14.7
Standard Deviation							2.8	2.7	5.7	3.6	4.7	7.0	4.1	6.2	8.9
CV							73.6	2.95	7.26	88.93	5.35	9.25	91.76	7.04	12.32

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S8020 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40526
Affiliation: University of Kentucky

Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBTR GIANT RAGWEED 3.IPOHE IVYLEAF MG

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILL Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 5-22-98

Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3

Site Type: FIELD

Tillage Type: NO-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	5-29-98	6-3-98			
Time of Day:	3:00 PM	5:00 PM	1:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	64 F	72 F	73 F			
% Relative Humidity:	80	75	84			
Wind Velocity, Unit:	2 MPH	3 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	68 F	70 F	74 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		2 TRIFOL	3 TRIFOL			
		3 IN	6 IN			

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S8020 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF	4 LF			
		2 IN	6 IN			
AMBTR		6 LF	8 LF			
		4 IN	6 IN			
IPOHE		6 LF	6 LF			
		4 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT	6.33 FT			
Boom Height, Unit:	19 IN	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S8021
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR
1	PYTHON	80	WG	.063	LB A/A	PRE	3	90	87	0	7	30	0	30	57
2	FRONTIER	6	E	1.2	LB A/A	PRE	10	90	90	0	87	90	0	90	63
2	ROUNDUP ULTRA	4	AS	1	QT/A	PRE									
2	FIRSTRATE	84	W	.016	LB A/A	MP									
2	COC		L	1	QT/A	MP									
3	PYTHON	80	WG	.063	LB A/A	PRE	10	97	90	3	87	90	0	67	57
3	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
3	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
4	PYTHON	80	WG	.063	LB A/A	PRE	3	97	83	0	77	77	0	80	57
4	FRONTIER	6	E	1.2	LB A/A	PRE									
4	STRONGARM	82.2	WG	.008	LB A/A	PRE									
4	ROUNDUP ULTRA	4	AS	1	QT/A	PRE									
4	PYTHON	80	WG	.063	LB A/A	PRE									
5	FRONTIER	6	E	1.2	LB A/A	PRE	10	90	90	0	90	90	0	83	97
5	STRONGARM	82.2	WG	.008	LB A/A	PRE									
5	ROUNDUP ULTRA	4	AS	1	LB A/A	MP									
5	FIRSTRATE	84	W	.016	LB A/A	MP									
5	COC		L	1	QT/A	MP									
6	PYTHON	80	WG	.063	LB A/A	PRE	13	93	87	0	90	90	0	60	33
6	STRONGARM	82.2	WG	.008	LB A/A	PRE									
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
6	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
7	PYTHON	80	WG	.063	LB A/A	PRE	0	100	87	3	70	60	0	83	77
7	FRONTIER	6	E	1.2	LB A/A	PRE									
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
8	PYTHON	80	WG	.063	LB A/A	PRE	13	97	90	3	93	90	0	100	100
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
8	FIRSTRATE	84	W	.016	LB A/A	MP									
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
9	STRONGARM	82.2	WG	.024	LB A/A	PRE	0	83	90	7	73	90	0	93	87
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S8021 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR
10	FRONTIER	6	E	1.2	LB A/A	PRE	10	90	90	0	87	93	0	93	100
10	STRONGARM	82.2	WG	.024	LB A/A	PRE									
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
10	FIRSTRATE	84	W	.016	LB A/A	MP									
10	COC		L	1.2	QT/A	MP									
11	STRONGARM	82.2	WG	.016	LB A/A	PRE	10	97	90	0	90	93	0	80	93
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
11	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
12	STRONGARM	82.2	WG	.024	LB A/A	PRE	10	97	90	0	90	63	0	63	67
12	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
13	FRONTIER	6	E	1.2	LB A/A	PRE	10	90	90	0	83	90	0	83	83
13	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
13	FIRSTRATE	84	W	.016	LB A/A	MP									
13	COC		L	1.2	QT/A	MP									
13	PINNACLE	25	DF	.004	LB A/A	IFN									
14	FRONTIER	6	E	1.2	LB A/A	PRE	10	90	83	0	83	87	0	77	87
14	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
14	FIRSTRATE	84	W	.024	LB A/A	MP									
14	COC		L	1.2	QT/A	MP									
14	PINNACLE	25	DF	.004	LB A/A	IFN									
15	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	10	13	80	0	0	83	0	37	63
15	FIRSTRATE	84	W	.016	LB A/A	MP									
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	10	63	70	0	83	67	0	63	80
16	FIRSTRATE	84	W	.016	LB A/A	MP									
16	SELECT	2	EC	.188	LB A/A	MP									
16	BLAZER	2	L	.25	LB A/A	MP									
16	COC		L	1.2	QT/A	MP									
17	FRONTIER	6	E	1.2	LB A/A	PRE	3	97	73	0	67	30	0	37	70
17	FIRSTRATE	84	W	.031	LB A/A	PRE									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S8021 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR	GLYMA	SETFA	AMBTR
18	FRONTIER	6	E	1.2	LB A/A	PRE	3	93	73	0	70	10	0	27	43
18	FIRSTRATE	84	W	.039	LB A/A	PRE									
18	ROUNDUP ULTRA	4	AS	1		PRE									
19	FRONTIER	6	E	1.2	LB A/A	PRE	10	90	83	0	83	87	0	83	93
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
19	FRONTROW														
19	CLORANSULAM	84	W	.016	LB A/A	MP									
19	FLUMETSULAM	80	WG	.006	LB A/A	MP									
19	COC		L	1.2	QT/A	MP									
20	FRONTIER	6	E	1.2	LB A/A	PRE	40	90	87	20	87	90	0	77	90
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
20	FRONTROW														
20	CLORANSULAM	84	W	.016	LB A/A	MP									
20	FLUMETSULAM	80	WG	.006	LB A/A	MP									
20	BLAZER	2	L	.25	LB A/A	MP									
20	COC		L	1.2	QT/A	MP									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	10	30	60	0	23	73	0	33	83
21	FRONTROW														
21	CLORANSULAM	84	W	.016	LB A/A	MP									
21	FLUMETSULAM	80	WG	.006	LB A/A	MP									
21	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	37	57	73	10	90	80	0	90	93
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
22	FRONTROW														
22	CLORANSULAM	84	W	.016	LB A/A	MP									
22	FLUMETSULAM	80	WG	.006	LB A/A	MP									
22	SELECT	2	EC	.188	LB A/A	MP									
22	BLAZER	2	L	.375	LB A/A	MP									
22	COC		L	1	QT/A	MP									
LSD (P=.05)							6.5	16.4	16.8	6.4	12.7	30.8	0.0	53.3	53.6
Standard Deviation							3.9	9.9	10.2	3.9	7.7	18.7	0.0	32.3	32.5
CV							36.44	11.89	12.22	182.19	10.56	24.82	0.0	46.41	42.71

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S8021 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBRT GIANT RAGWEED 3.IPOHE IVYLEAF MG
Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILL Rate: 180000 S/A Depth: 1 IN
Soil Temperature: 68 F Soil Moisture: NORMAL Seed Bed: MEDIUM Emergence Date: 5-22-98
Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT
Closest Weather Station: SPINDLETOP FARM Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	6-3-98				
Time of Day:	2:00 PM	3:30 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	64 F	70 F				
% Relative Humidity:	80	80				
Wind Velocity, Unit:	3 MPH	4 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	64 F	69 F				
Soil Moisture:	ADEQUATE	ADEQUATE				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		2 TRIFOL				
		4 IN				

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

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S8021

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF				
		3 IN				
AMBRT		4 LF				
		4 IN				
IPOHE		4 LF				
		3 IN				

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT				
Boom Height, Unit:	19 IN	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Spray Volume, Unit:	24 GPA	24 GPA				
Propellant:	CO2	CO2				

Trt No

Treatment Application Comment

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

NO-TILL SOYBEAN FULL SEASON III

Trial ID: S8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
										INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT
										2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
										P	P	P	P	P	P	P	P	P
										0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg												
1	TOUCHDOWN 5	5	SL	.75	LB A/A	PRE	0	100	98	0	95	98	0	95	98			
1	CHOICE		L	.25	QT/A	PRE												
1	FUSION	2.66	EC	.21	LB A/A	MP												
1	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP												
1	MSO		L	1	QT/A	MP												
2	TOUCHDOWN 5	5	SL	.94	LB A/A	PRE	0	98	93	0	92	93	0	95	93			
2	CHOICE		L	.25	QT/A	PRE												
2	FUSION	2.66	EC	.21	LB A/A	MP												
2	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP												
2	MSO		L	1	QT/A	MP												
3	TOUCHDOWN 5	5	SL	1	LB A/A	PRE	0	98	92	0	83	87	0	88	90			
3	CHOICE		L	.25	QT/A	PRE												
3	FUSION	2.66	EC	.21	LB A/A	MP												
3	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP												
3	MSO		L	1	QT/A	MP												
4	TOUCHDOWN 5	5	SL	1.25	LB A/A	PRE	0	100	97	0	97	97	0	98	97			
4	CHOICE		L	.25	QT/A	PRE												
4	FUSION	2.66	EC	.21	LB A/A	MP												
4	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP												
4	MSO		L	1	QT/A	MP												
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE	0	67	67	0	63	65	0	65	65			
5	CHOICE		L	.25	QT/A	PRE												
5	FUSION	2.66	EC	.21	LB A/A	MP												
5	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP												
5	MSO		L	1	QT/A	MP												
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	100	0	93	93	0	95	97			
6	CHOICE		L	.25	QT/A	PRE												
6	FUSION	2.66	EC	.21	LB A/A	MP												
6	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP												
6	MSO		L	1	QT/A	MP												
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	98	97	0	62	65	0	68	68			
7	ROUNDUP ULTRA	4	AS	1	LB A/A	MP												

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

NO-TILL SOYBEAN FULL SEASON III

Trial ID: S8022

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	92	88	0	75	92	0	90	90
8	ROUNDUP ULTRA	4	AS	1	LB A/A	MP									
8	ROUNDUP ULTRA	4	AS	.75	LB A/A	+3WK									
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	90	0	92	90	0	92	83
9	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	75	0	88	80	0	92	82
10	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
10	ROUNDUP ULTRA	4	AS	.75	LB A/A	+3WK									
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	97	0	92	90	0	92	90
11	SQUADRON	2.33	EC	.87	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	97	0	88	92	0	90	92
12	SQUADRON	2.33	EC	.87	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
13	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	87	0	83	85	0	92	93
13	SQUADRON	2.33	EC	.87	LB A/A	PRE									
13	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
14	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	72	0	73	75	0	87	87
14	PURSUIT	70	DF	.063	LB A/A	MP									
14	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
14	INDUCE			.25	% V/V	MP									
15	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	98	92	0	88	95	0	90	95
15	CANOPY	75	DF	.188	LB A/A	PRE									
15	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	98	100	0	95	100	0	95	100
16	CANOPY	75	DF	.21	LB A/A	PRE									
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
16	CLASSIC	25	DF	.005	LB A/A	MP									

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

NO-TILL SOYBEAN FULL SEASON III

Trial ID: S8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	33	80	0	0	65	0	0	73
17	CANOPY	75	DF	.188	LB A/A	PRE									
17	ASSURE II	.8	EC	.063	LB A/A	MP									
17	SYNCHRONY STS	42	DF	.013	LB A/A	MP									
17	COBRA	2	EC	.063	LB A/A	MP									
17	COC		L	1	QT/A	MP									
17	AMS	100	SG	2	LB/A	MP									
18	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	33	0	95	33	0	92	50
18	AUTHORITY BROADLEAF														
18	AUTHORITY	75	DF	.2	LB A/A	PRE									
18	CLASSIC	25	DF	.04	LB A/A	PRE									
18	MATADOR	.88	E	.052	LB A/A	MP									
18	COC		L	1	QT/A	MP									
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	32	42	0	0	27	0	8	32
19	FRONTIER	6	E	1.4	LB A/A	PRE									
19	FIRSTRATE	84	W	.031	LB A/A	PRE									
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	20	83	0	27	87	0	47	87
20	FRONTIER	6	E	1.4	LB A/A	PRE									
20	STRONGARM	82	WG	.024	LB A/A	PRE									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	93	0	90	87	0	90	87
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
21	CONCLUDE XTRA	3	E												
21	STORM	4	EC	.75	LB A/A	MP									
21	SELECT	2	EC	.125	LB A/A	MP									
21	COC		L	1	QT/A	MP									
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	97	80	0	62	55	0	65	52
22	RESOURCE	.86	EC	.027	LB A/A	MP									
22	COBRA	2	EC	.094	LB A/A	MP									
22	SELECT	2	EC	.125	LB A/A	MP									
22	COC		L	.5	QT/A	MP									
LSD (P=.05)							0.0	32.9	38.8	0.0	35.1	42.6	0.0	33.6	38.6
Standard Deviation							0.0	20.0	23.5	0.0	21.2	25.8	0.0	20.4	23.4
CV							0.0	22.83	27.96	0.0	28.61	32.48	0.0	25.99	28.58

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

NO-TILL SOYBEAN FULL SEASON III

Trial ID: S8022 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBTR GIANT FOXTAIL 3.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILL Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: NORMAL Emergence Date: 5-22-98

Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: MINIMUM-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	5-29-98	6-3-98			
Time of Day:	3:00 PM	5:00 PM	1:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	64 F	72 F	73 F			
% Relative Humidity:	80	75	84			
Wind Velocity, Unit:	2 MPH	3 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	68 F	70 F	74 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		2 TRIFOL	3 TRIFOL			
		3 IN	6 IN			

NO-TILL SOYBEAN FULL SEASON III

Trial ID: S8022

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		3 LF	4 LF			
		2 IN	6 IN			
AMBTR		6 LF	8 LF			
		4 IN	6 IN			
XANST		6 LF	6 LF			
		4 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT	6.33 FT			
Boom Height, Unit:	19 IN	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No

Treatment Application Comment

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

MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	Crop Code	GLYMA	SETFA	AMBTR	IPOSS	GLYMA	SETFA	AMBTR	IPOSS
Part Rated	Rating Data Type	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Unit	Rating Date	2 WEEK P	2 WEEK P	2 WEEK P	2 WEEK P	4 WEEK P	4 WEEK P	4 WEEK P	4 WEEK P
Footnote Number	Trt-Eval Interval	0	0	0	0	0	0	0	0
PRM Data Type	# Subsamples, Dec.								

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	AMBTR	IPOSS	GLYMA	SETFA	AMBTR	IPOSS
1	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	7	93	80	80	0	90	83	87
1	ROUNDUP ULTRA	4	AS	1	LB A/A	LP								
2	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	17	93	80	87	0	93	90	87
2	ROUNDUP ULTRA	4	AS	1	LB A/A	LP								
2	ROUNDUP ULTRA	4	AS	.5	LB A/A	IFN								
3	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	27	97	90	90	3	97	87	83
3	WEEDONE 638	2.8	E	.5	LB A/A	PRE								
3	CHOICE		L	.25	QT/A	PRE								
3	FUSION	2.66	EC	.21	LB A/A	MP								
3	FLEXSTAR HL	1.88	CS	.352	LB A/A	MP								
3	MSO		L	1	QT/A	MP								
4	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	23	97	90	87	0	97	90	87
4	WEEDONE 638	2.8	E	.5	LB A/A	PRE								
4	CHOICE		L	.25	QT/A	PRE								
4	FUSION	2.66	EC	.21	LB A/A	MP								
4	REFLEX	2	EC	.375	LB A/A	MP								
4	MSO		L	1	QT/A	MP								
5	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	23	97	90	93	0	87	80	90
5	INDUCE			.25	% V/V	PRE								
5	CANOPY XL					PRE								
5	AUTHORITY	75	DF	.2	LB A/A	PRE								
5	CLASSIC	25	DF	.04	LB A/A	PRE								
5	FUSION	2.66	EC	.21	LB A/A	MP								
5	FLEXSTAR HL	1.88	CS	.352	LB A/A	MP								
5	MSO		L	1	QT/A	MP								
6	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	17	90	87	90	0	90	80	87
6	PROWL	3.3	EC	1	LB A/A	PRE								
6	PURSUIT	70	DF	.063	LB A/A	MP								
6	INDUCE			.25	% V/V	MP								
6	LIQUID N		L	1	QT/A	MP								

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

MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	IPOSS	GLYMA	SETFA	AMBTR	IPOSS
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Part Rated	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
Rating Date	0	0	0	0	0	0	0	0
Footnote Number								
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	AMBTR	IPOSS	GLYMA	SETFA	AMBTR	IPOSS
7	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	13	90	87	87	0	80	73	80
7	PROWL	3.3	EC	1	LB A/A	PRE								
7	PURSUIT	70	DF	.063	LB A/A	MP								
7	STATUS	2	EC	.156	LB A/A	MP								
7	INDUCE			.25	% V/V	MP								
7	LIQUID N		L	1	QT/A	MP								
8	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	7	90	67	70	0	90	57	77
8	PROWL	3.3	EC	1	LB A/A	PRE								
8	RAPTOR	1	E	.032	LB A/A	MP								
8	INDUCE			.25	% V/V	MP								
8	LIQUID N		L	1	QT/A	MP								
9	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	7	90	87	83	0	90	87	80
9	RAPTOR	1	E	.04	LB A/A	MP								
9	INDUCE			.25	% V/V	MP								
9	LIQUID N		L	1	QT/A	MP								
10	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	17	93	87	87	0	77	53	87
10	SQUADRON	2.33	EC	.87	LB A/A	PRE								
10	PROWL	3.3	EC	.5	LB A/A	PRE								
10	STATUS	2	EC	.156	LB A/A	MP								
10	INDUCE			.25	% V/V	MP								
11	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	7	97	83	73	0	97	83	83
11	SQUADRON	2.33	EC	.87	LB A/A	PRE								
11	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP								
12	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	3	93	87	57	0	93	73	83
12	SQUADRON	2.33	EC	.87	LB A/A	PRE								
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
13	COMMAND	3	ME	.5	LB A/A	PRE	7	93	77	83	0	90	67	83
13	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE								
13	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								
14	COMMAND	3	ME	.75	LB A/A	PRE	10	90	83	90	0	90	77	87
14	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE								
14	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP								

Dept. of Agronomy, Univ. of KY
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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	IPOSS	GLYMA	SETFA	AMBTR	IPOSS
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type								
Rating Unit								
Rating Date								
Footnote Number								
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLYMA	SETFA	AMBTR	IPOSS	GLYMA	SETFA	AMBTR	IPOSS
15	AUTHORITY BROADLEAF					PRE	7	93	70	90	0	93	73	90
15	AUTHORITY	75	DF	.24	LB A/A	PRE								
15	CLASSIC	25	DF	.04	LB A/A	PRE								
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE								
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP								
16	SENCOR	75	DF	.3	LB A/A	PRE	10	90	80	93	0	90	87	87
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE								
16	AMS	100	SG	2	% V/V	PRE								
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
16	AMS	100	SG	2	% V/V	LP								
17	USA 1999	75	DF	.5	LB A/A	PRE	7	87	60	93	0	90	80	93
17	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE								
17	AMS	100	SG	2	% V/V	PRE								
17	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
17	AMS	100	SG	2	% V/V	LP								
18	USA 1999	75	DF	.5	LB A/A	PRE	7	93	90	93	0	93	90	90
18	WEEDONE 638	2.8	E	.475	LB A/A	PRE								
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
18	AMS	100	SG	2	% V/V	LP								
19	SENCOR	75	DF	.375	LB A/A	PRE	3	90	93	93	0	97	97	93
19	WEEDONE 638	2.8	E	.475	LB A/A	PRE								
19	COC		L	1	QT/A	PRE								
19	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
19	AMS	100	SG	2	% V/V	LP								
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	13	90	87	93	0	90	87	90
20	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP								
20	AMS	100	SG	2	% V/V	LP								
LSD (P=.05)							12.2	7.5	20.0	22.6	2.1	10.6	21.7	10.5
Standard Deviation							7.4	4.5	12.1	13.7	1.3	6.4	13.1	6.3
CV							64.49	4.9	14.67	15.99	774.6	7.1	16.5	7.36

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Footnote Number	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.	GLYMA	SETFA	AMBTR	IPOSS
										INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT
										8 WEEK P	8 WEEK P	8 WEEK P	8 WEEK P
										0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
1	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	93	90
1	ROUNDUP ULTRA	4	AS	1	LB A/A	LP				
2	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	93	90
2	ROUNDUP ULTRA	4	AS	1	LB A/A	LP				
2	ROUNDUP ULTRA	4	AS	.5	LB A/A	IFN				
3	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	97	90	90
3	WEEDONE 638	2.8	E	.5	LB A/A	PRE				
3	CHOICE		L	.25	QT/A	PRE				
3	FUSION	2.66	EC	.21	LB A/A	MP				
3	FLEXSTAR HL	1.88	CS	.352	LB A/A	MP				
3	MSO		L	1	QT/A	MP				
4	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	100	90	90
4	WEEDONE 638	2.8	E	.5	LB A/A	PRE				
4	CHOICE		L	.25	QT/A	PRE				
4	FUSION	2.66	EC	.21	LB A/A	MP				
4	REFLEX	2	EC	.375	LB A/A	MP				
4	MSO		L	1	QT/A	MP				
5	GRAMOXONE EXTRA	2.5	AS	.625	LB A/A	PRE	0	97	67	90
5	INDUCE			.25	% V/V	PRE				
5	CANOPY XL					PRE				
5	AUTHORITY	75	DF	.2	LB A/A	PRE				
5	CLASSIC	25	DF	.04	LB A/A	PRE				
5	FUSION	2.66	EC	.21	LB A/A	MP				
5	FLEXSTAR HL	1.88	CS	.352	LB A/A	MP				
5	MSO		L	1	QT/A	MP				
6	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	97	73	90
6	PROWL	3.3	EC	1	LB A/A	PRE				
6	PURSUIT	70	DF	.063	LB A/A	MP				
6	INDUCE			.25	% V/V	MP				
6	LIQUID N		L	1	QT/A	MP				

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	IPOSS
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg				
7	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	80	83	87
7	PROWL	3.3	EC	1	LB A/A	PRE				
7	PURSUIT	70	DF	.063	LB A/A	MP				
7	STATUS	2	EC	.156	LB A/A	MP				
7	INDUCE			.25	% V/V	MP				
7	LIQUID N		L	1	QT/A	MP				
8	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	93	70	87
8	PROWL	3.3	EC	1	LB A/A	PRE				
8	RAPTOR	1	E	.032	LB A/A	MP				
8	INDUCE			.25	% V/V	MP				
8	LIQUID N		L	1	QT/A	MP				
9	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	97	93	90
9	RAPTOR	1	E	.04	LB A/A	MP				
9	INDUCE			.25	% V/V	MP				
9	LIQUID N		L	1	QT/A	MP				
10	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	97	50	87
10	SQUADRON	2.33	EC	.87	LB A/A	PRE				
10	PROWL	3.3	EC	.5	LB A/A	PRE				
10	STATUS	2	EC	.156	LB A/A	MP				
10	INDUCE			.25	% V/V	MP				
11	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	100	97	97
11	SQUADRON	2.33	EC	.87	LB A/A	PRE				
11	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP				
12	TOUCHDOWN 5	5	SL	.9375	LB A/A	PRE	0	97	93	87
12	SQUADRON	2.33	EC	.87	LB A/A	PRE				
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
13	COMMAND	3	ME	.5	LB A/A	PRE	0	93	83	87
13	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE				
13	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				
14	COMMAND	3	ME	.75	LB A/A	PRE	0	90	77	90
14	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE				
14	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP				

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

Weed Code	GLYMA	SETFA	AMBTR	IPOSS
Crop Code				
Part Rated				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				
Footnote Number				
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg				
15	AUTHORITY BROADLEAF					PRE	0	97	93	93
15	AUTHORITY	75	DF	.24	LB A/A	PRE				
15	CLASSIC	25	DF	.04	LB A/A	PRE				
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	PRE				
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP				
16	SENCOR	75	DF	.3	LB A/A	PRE	0	100	87	90
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE				
16	AMS	100	SG	2	% V/V	PRE				
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
16	AMS	100	SG	2	% V/V	LP				
17	USA 1999	75	DF	.5	LB A/A	PRE	0	100	97	100
17	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE				
17	AMS	100	SG	2	% V/V	PRE				
17	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
17	AMS	100	SG	2	% V/V	LP				
18	USA 1999	75	DF	.5	LB A/A	PRE	0	100	83	93
18	WEEDONE 638	2.8	E	.475	LB A/A	PRE				
18	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
18	AMS	100	SG	2	% V/V	LP				
19	SENCOR	75	DF	.375	LB A/A	PRE	0	100	100	93
19	WEEDONE 638	2.8	E	.475	LB A/A	PRE				
19	COC		L	1	QT/A	PRE				
19	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
19	AMS	100	SG	2	% V/V	LP				
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	100	93	90
20	ROUNDUP ULTRA	4	AS	.75	LB A/A	LP				
20	AMS	100	SG	2	% V/V	LP				
LSD (P=.05)							0.0	8.9	18.4	6.2
Standard Deviation							0.0	5.4	11.2	3.7
CV							0.0	5.56	13.1	4.13

Dept. of Agronomy, Univ. of KY
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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40526
Affiliation: University of Kentucky
Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBTR GIANT RAGWEED 3.XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILL Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: NORMAL Emergence Date: 5-22-98

Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: MINIMUM-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	5-29-98	6-3-98			
Time of Day:	3:00 PM	5:00 PM	1:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	64 F	72 F	73 F			
% Relative Humidity:	80	75	84			
Wind Velocity, Unit:	2 MPH	3 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	68 F	70 F	74 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		2 TRIFOL	3 TRIFOL			
		3 IN	6 IN			

MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S8018 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		3 LF	4 LF			
		2 IN	6 IN			
AMBTR		6 LF	8 LF			
		4 IN	6 IN			
XANST		6 LF	6 LF			
		4 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT	6.33 FT			
Boom Height, Unit:	19 IN	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

Dept. of Agronomy, Univ. of KY
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MINIMUM TILL SOYBEAN FULL SEASON II

Trial ID: S8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY CONTROL CONTROL			INJURY CONTROL CONTROL			INJURY CONTROL CONTROL		
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK			4 WEEK			8 WEEK		
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
1	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	88	77	0	40	43	0.0	40.0	43.3
1	PYTHON	80	WG	.063	LB A/A	PRE									
2	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	73	0	83	83	0.0	73.3	83.3
2	PYTHON	80	WG	.063	LB A/A	PRE									
2	FRONTIER	6	E	1.2	LB A/A	PRE									
2	FIRSTRATE	84	W	.016	LB A/A	MP									
2	COC		L	1	QT/A	MP									
3	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	90	53	0	90	87	0.0	90.0	90.0
3	PYTHON	80	WG	.063	LB A/A	PRE									
3	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
4	PYTHON	80	WG	.063	LB A/A	PRE	0	88	75	0	80	50	0.0	80.0	53.3
4	FRONTIER	6	E	1.2	LB A/A	PRE									
4	STRONGARM	82	WG	.008	LB A/A	PRE									
4	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
5	PYTHON	80	WG	.063	LB A/A	PRE	0	80	73	0	75	77	0.0	70.0	66.7
5	FRONTIER	6	E	1.2	LB A/A	PRE									
5	STRONGARM	82	WG	.008	LB A/A	PRE									
5	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
5	FIRSTRATE	84	W	.016	LB A/A	MP									
5	COC		L	1	QT/A	MP									
6	PYTHON	80	WG	.063	LB A/A	PRE	0	90	83	0	90	83	0.0	90.0	86.7
6	STRONGARM	82	WG	.008	LB A/A	PRE									
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
6	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
7	PYTHON	80	WG	.063	LB A/A	PRE	0	92	88	0	70	50	0.0	56.7	33.3
7	FRONTIER	6	E	1.2	LB A/A	PRE									
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
8	PYTHON	80	WG	.063	LB A/A	PRE	0	90	80	0	90	87	0.0	90.0	86.7
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
8	FIRSTRATE	84	W	.016	LB A/A	MP									
8	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
9	STRONGARM	82	WG	.024	LB A/A	PRE	0	88	87	0	85	83	0.0	85.0	83.3
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									

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MINIMUM TILL SOYBEAN FULL SEASON II

Trial ID: S8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
10	FRONTIER	6	E	1.2	LB A/A	PRE	13	92	88	18	90	90	18.3	88.3	90.0
10	STRONGARM	82	WG	.024	LB A/A	PRE									
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
10	FIRSTRATE	84	W	.016	LB A/A	MP									
10	COC		L	1.2	QT/A	MP									
11	STRONGARM	82	WG	.016	LB A/A	PRE	0	88	87	0	87	90	0.0	86.7	90.0
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
11	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
12	STRONGARM	82	WG	.024	LB A/A	PRE	0	93	87	0	90	90	0.0	90.0	90.0
12	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
13	FRONTIER	6	E	1.2	LB A/A	PRE	0	90	77	0	83	70	0.0	80.0	70.0
13	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
13	FIRSTRATE	84	W	.016	LB A/A	MP									
13	COC		L	1.2	QT/A	MP									
13	PINNACLE	25	DF	.004	LB A/A	IFN									
14	FRONTIER	6	E	1.2	LB A/A	PRE	0	90	75	0	83	65	0.0	76.7	65.0
14	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
14	FIRSTRATE	84	W	.024	LB A/A	MP									
14	COC		L	1.2	QT/A	MP									
14	PINNACLE	25	DF	.004	LB A/A	IFN									
15	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	87	83	0	90	90	0.0	90.0	90.0
15	FIRSTRATE	84	W	.016	LB A/A	MP									
15	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	15	83	77	22	87	80	21.7	86.7	80.0
16	FIRSTRATE	84	W	.016	LB A/A	MP									
16	SELECT	2	EC	.188	LB A/A	MP									
16	BLAZER	2	L	.25	LB A/A	MP									
16	COC		L	1.2	QT/A	MP									
17	FRONTIER	6	E	1.2	LB A/A	PRE	0	90	40	0	90	27	0.0	90.0	26.7
17	FIRSTRATE	84	W	.031	LB A/A	PRE									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									

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

MINIMUM TILL SOYBEAN FULL SEASON II

Trial ID: S8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE	GLXMA	SETFA	IPOHE
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date									
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.	0	0	0	0	0	0			

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg									
18	FRONTIER	6	E	1.2	LB A/A	PRE	0	88	57	0	77	30	0.0	76.7	30.0
18	FIRSTRATE	84	W	.039	LB A/A	PRE									
18	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
19	FRONTIER	6	E	1.2	LB A/A	PRE	3	90	63	3	80	87	3.3	70.0	86.7
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
19	FRONTROW														
19	CLORANSULAM	84	W	.016	LB A/A	MP									
19	FLUMETSULAM	80	WG	.006	LB A/A	MP									
19	COC		L	1.2	QT/A	MP									
20	FRONTIER	6	E	1.2	LB A/A	PRE	3	87	43	7	77	83	6.7	63.3	76.7
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
20	FRONTROW														
20	CLORANSULAM	84	W	.016	LB A/A	MP									
20	FLUMETSULAM	80	WG	.006	LB A/A	MP									
20	BLAZER	2	L	.25	LB A/A	MP									
20	COC		L	1.2	QT/A	MP									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	53	57	0	80	83	0.0	86.7	90.0
21	FRONTROW														
21	CLORANSULAM	84	W	.016	LB A/A	MP									
21	FLUMETSULAM	80	WG	.006	LB A/A	MP									
21	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE									
22	FRONTROW						23	68	37	30	83	73	30.0	83.3	80.0
22	CLORANSULAM	84	W	.016	LB A/A	MP									
22	FLUMETSULAM	80	WG	.006	LB A/A	MP									
22	SELECT	2	EC	.188	LB A/A	MP									
22	BLAZER	2	L	.375	LB A/A	MP									
22	COC		L	1.2	QT/A	MP									
LSD (P=.05)							5.0	9.1	18.1	7.0	11.4	18.2	6.97	14.74	17.68
Standard Deviation							3.0	5.5	11.0	4.2	6.9	11.0	4.22	8.93	10.71
CV							113.37	6.38	15.47	116.09	8.47	15.16	116.09	11.27	14.81

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

MINIMUM TILL SOYBEAN FULL SEASON II

Trial ID: S8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. AMBTR GIANT RAGWEED 3. IPOHE IVYLEAF MG

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILL Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 5-22-98

Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3

Site Type: FIELD

Tillage Type: NO-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM

Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	6-3-98				
Time of Day:	2:00 PM	3:30 PM				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	64 F	70 F				
% Relative Humidity:	80	80				
Wind Velocity, Unit:	3 MPH	4 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	64 F	69 F				
Soil Moisture:	ADEQUATE	ADEQUATE				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		2 TRIFOL				
		3 IN				

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

MINIMUM TILL SOYBEAN FULL SEASON II

Trial ID: S8023 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		2 LF				
		3 IN				
AMBTR		4 LF				
		4 IN				
IPOHE		4 LF				
		3 IN				

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT				
Boom Height, Unit:	19 IN	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Spray Volume, Unit:	24 GPA	24 GPA				
Propellant:	CO2	CO2				

Trt No Treatment Application Comment

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

MINIMUM TILL SOYBEAN FULL SEASON III

Trial ID: S8026 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Rating Unit	P	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0	0
Footnote Number									
Trt-Eval Interval									
PRM Data Type									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
1	TOUCHDOWN 5	5	SL	.75	LB A/A	PRE	7	95	88	7	95	63	7	95	50
1	CHOICE		L	.25	QT/A	PRE									
1	FUSION	2.66	EC	.21	LB A/A	MP									
1	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
1	MSO		L	1	QT/A	MP									
2	TOUCHDOWN 5	5	SL	.94	LB A/A	PRE	8	95	92	8	95	83	8	95	80
2	CHOICE		L	.25	QT/A	PRE									
2	FUSION	2.66	EC	.21	LB A/A	MP									
2	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
2	MSO		L	1	QT/A	MP									
3	TOUCHDOWN 5	5	SL	1	LB A/A	PRE	5	95	83	7	95	73	7	95	57
3	CHOICE		L	.25	QT/A	PRE									
3	FUSION	2.66	EC	.21	LB A/A	MP									
3	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
3	MSO		L	1	QT/A	MP									
4	TOUCHDOWN 5	5	SL	1.25	LB A/A	PRE	7	95	93	7	95	85	7	95	77
4	CHOICE		L	.25	QT/A	PRE									
4	FUSION	2.66	EC	.21	LB A/A	MP									
4	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
4	MSO		L	1	QT/A	MP									
5	ROUNDUP ULTRA	4	AS	.75	LB A/A	PRE	0	95	93	0	95	87	0	95	75
5	CHOICE		L	.25	QT/A	PRE									
5	FUSION	2.66	EC	.21	LB A/A	MP									
5	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
5	MSO		L	1	QT/A	MP									
6	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	12	95	92	12	95	85	12	95	85
6	CHOICE		L	.25	QT/A	PRE									
6	FUSION	2.66	EC	.21	LB A/A	MP									
6	FLEXSTAR HL	1.88	CS	.3525	LB A/A	MP									
6	MSO		L	1	QT/A	MP									
7	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	93	0	95	93	0	95	88
7	ROUNDUP ULTRA	4	AS	1	LB A/A	MP									

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

MINIMUM TILL SOYBEAN FULL SEASON III

Trial ID: S8026 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg									
8	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	7	95	90	7	95	93	7	95	90
8	ROUNDUP ULTRA	4	AS	1	LB A/A	MP									
8	ROUNDUP ULTRA	4	AS	.75	LB A/A	+3WK									
9	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	93	90	0	93	88	0	93	88
9	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
10	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	93	0	95	92	0	95	92
10	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
10	ROUNDUP ULTRA	4	AS	.75	LB A/A	+3WK									
11	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	93	0	93	92	0	93	92
11	SQUADRON	2.33	EC	.87	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	92	0	95	90	0	95	90
12	SQUADRON	2.33	EC	.87	LB A/A	PRE									
12	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
13	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	7	93	72	8	93	90	8	93	90
13	SQUADRON	2.33	EC	.87	LB A/A	PRE									
13	ROUNDUP ULTRA	4	AS	1	LB A/A	LP									
14	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	93	90	0	93	92	0	93	92
14	PURSUIT	70	DF	.063	LB A/A	MP									
14	ROUNDUP ULTRA	4	AS	.5	LB A/A	MP									
14	INDUCE			.25	% V/V	MP									
15	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	93	0	95	93	0	95	93
15	CANOPY	75	DF	.188	LB A/A	PRE									
15	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
16	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	92	0	95	92	0	95	92
16	CANOPY	75	DF	.21	LB A/A	PRE									
16	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
16	CLASSIC	25	DF	.005	LB A/A	MP									

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

MINIMUM TILL SOYBEAN FULL SEASON III

Trial ID: S8026 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

Weed Code	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR	GLXMA	SETFA	AMBTR
Crop Code									
Part Rated									
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									
Footnote Number									
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
PRM Data Type	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg									
17	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	17	50	92	13	50	90	13	50	87
17	CANOPY	75	DF	.188	LB A/A	PRE									
17	ASSURE II	.8	EC	.063	LB A/A	MP									
17	SYNCHRONY STS	42	DF	.013	LB A/A	MP									
17	COBRA	2	EC	.063	LB A/A	MP									
17	COC		L	1	QT/A	MP									
17	AMS	100	SG	2	LB/A	MP									
18	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	95	70	0	95	53	0	95	53
18	AUTHORITY BROADLEAF														
18	AUTHORITY	75	DF	.2	LB A/A	PRE									
18	CLASSIC	25	DF	.04	LB A/A	PRE									
18	MATADOR	.88	E	.052	LB A/A	MP									
18	COC		L	1	QT/A	MP									
19	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	67	68	0	63	72	0	63	65
19	FRONTIER	6	E	1.4	LB A/A	PRE									
19	FIRSTRATE	84	W	.031	LB A/A	PRE									
20	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	0	70	92	0	77	83	0	77	83
20	FRONTIER	6	E	1.4	LB A/A	PRE									
20	STRONGARM	82.2	WG	.024	LB A/A	PRE									
21	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	13	92	90	13	92	83	13	92	72
21	ROUNDUP ULTRA	4	AS	.75	LB A/A	MP									
21	CONCLUDE XTRA														
21	STORM	4	EC	.75	LB A/A	MP									
21	SELECT	2	EC	.125	LB A/A	MP									
21	COC		L	1	QT/A	MP									
22	ROUNDUP ULTRA	4	AS	1	LB A/A	PRE	8	93	83	8	93	80	8	93	67
22	RESOURCE	.86	EC	.027	LB A/A	MP									
22	COBRA	2	EC	.094	LB A/A	MP									
22	SELECT	2	EC	.125	LB A/A	MP									
22	COC		L	.5	QT/A	MP									
LSD (P=.05)							13.5	7.0	19.5	14.1	12.2	15.8	14.1	12.2	22.6
Standard Deviation							8.2	4.2	11.8	8.6	7.4	9.6	8.6	7.4	13.7
CV							200.15	4.69	13.4	209.42	8.21	11.35	209.42	8.21	17.14

MINIMUM TILL SOYBEAN FULL SEASON III

Trial ID: S8026 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40526
Affiliation: University of Kentucky

Trial Status: Complete Initiation Date: 5-12-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SEFTA GIANT FOXTAIL 2. AMBTR GIANT RAGWEED 3. XANST C. COCKLEBUR

Crop 1: GLXMA SOYBEAN Variety: ASGROW 4501RR/STS Planting Date: 5-12-98
Planting Method: DRILL Rate: 180000 S/A Depth: 1 IN
Row Spacing: 7 IN Seed Bed: MEDIUM
Soil Temperature: 68 F Soil Moisture: NORMAL Emergence Date: 5-22-98

Plot Width, Unit: 6.33 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: MINIMUM-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 4 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 25 Soil Name: LANTON Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-12-98	5-29-98	6-3-98			
Time of Day:	3:00 PM	5:00 PM	1:00 PM			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	64 F	72 F	73 F			
% Relative Humidity:	80	75	84			
Wind Velocity, Unit:	2 MPH	3 MPH	4 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	68 F	70 F	74 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
GLXMA						
		2 TRIFOL	3 TRIFOL			
		3 IN	6 IN			

MINIMUM TILL SOYBEAN FULL SEASON III

Trial ID: S8026

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SEFTA		3 LF	4 LF			
		2 IN	6 IN			
AMBTR		6 LF	8 LF			
		4 IN	6 IN			
XANST		6 LF	6 LF			
		4 IN	5 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT	6.33 FT			
Boom Height, Unit:	19 IN	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No

Treatment Application Comment

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

CORN PREEMERGENCE

Trial ID: C8101
Location: PRINCETON, KY.Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB		SETFA	AMBTR	IPOHE
Crop Code			ZEAMX			
Part Rated						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	AMBTR	IPOHE
1	FULTIME	4	CS	2.7	LB A/A	PRE	100	80	0	100	83	90
1	AATREX	4	F	.5	LB A/A	PRE						
2	FULTIME	4	CS	3	LB A/A	PRE	100	87	0	100	83	90
2	AATREX	4	F	.3	LB A/A	PRE						
3	FULTIME	4	CS	3	LB A/A	PRE	100	90	0	100	97	90
3	EXCEED	57	DF	.036	LB A/A	MP						
3	COC		L	1	QT/A	MP						
4	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	100	83	0	100	83	87
5	BULLET	4	F	3.75	LB A/A	PRE	100	63	0	100	77	87
6	AXIOM	68	DF	.72	LB A/A	PRE	88	63	0	88	63	47
7	AXIOM	68	DF	.72	LB A/A	PRE	100	88	0	100	77	90
7	AATREX	4	F	1.4	LB A/A	PRE						
8	BICEP II MAGNUM	5.5	L	2.85	LB A/A	PRE	100	50	0	100	53	87
9	GUARDSMAN	5	E	2.8	LB A/A	PRE	100	77	0	100	70	87
10	GUARDSMAN	5	E	2.8	LB A/A	PRE	100	80	0	100	87	83
10	MARKSMAN	3.2	F	1.4	LB A/A	8LC						
11	FRONTIER	6	E	1.3	LB A/A	PRE	100	87	0	100	80	83
11	MARKSMAN	3.2	F	1.4	LB A/A	8LC						
12	DUAL II MAGNUM	7.6	EC	1.3	LB A/A	PRE	100	87	0	100	87	90
12	AATREX	4	F	1.5	LB A/A	PRE						
13	FRONTIER	6	E	1.2	LB A/A	PRE	100	90	0	100	93	97
13	PYTHON	80	WG	.625	LB A/A	PRE						
14	BICEP II	5.9	F	3.6	LB A/A	PRE	100	87	0	100	87	90
14	PYTHON	80	WG	.05	LB A/A	PRE						
15	BALANCE	75	WG	.094	LB A/A	PRE	100	87	0	100	87	87
15	AATREX	4	F	1.5	LB A/A	PRE						

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

CORN PREEMERGENCE

Trial ID: C8101
Location: PRINCETON, KY.Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB		SETFA	AMBTR	IPOHE
Crop Code			ZEAMX			
Part Rated						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg						
16	BALANCE	75	WG	.094	LB A/A	PRE	100	83	0	100	87	87
16	HARNES	7	EC	.875	LB A/A	PRE						
17	BALANCE	75	WG	.094	LB A/A	PRE	100	90	0	100	93	93
17	HARNES	7	EC	.875	LB A/A	PRE						
17	AATREX	4	F	1.5	LB A/A	PRE						
LSD (P=.05)							1.2	24.9	0.0	1.2	11.4	6.5
Standard Deviation							0.7	14.9	0.0	0.7	6.8	3.9
CV							0.7	18.51	0.0	0.7	8.38	4.51

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

CORN PREEMERGENCE

Trial ID: C8101 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40526
Affiliation: University of Kentucky Title: Extension Weed Science
Other Investigator: James R. Martin Postal Code: 42445
Affiliation: University of Kentucky

Trial Status: complete Initiation Date: 4-25-98 Country: USA
City: Princeton State/Prov.: KY Postal Code: 42445

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.AMBTR GIANT RAGWEED 3.IPOHE IVYLEAF MG

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541IT Planting Date: 4-25-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 59 F Soil Moisture: SLIGHTLY WET Emergence Date: 5-6-98

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 1.2 % Sand: 25 % Silt: 47 % Clay: 28
pH: 6.5 Soil Name: CRIDER Fertility Level: EXCELLENT

Closest Weather Station: PRINCETON Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-25-98	5-18-98	6-11-98			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	8 LC			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	62 F	72 F	77 F			
% Relative Humidity:	80	60	90			
Wind Velocity, Unit:	2 MPH	3 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	59 F	76 F	77 F			
Soil Moisture:	EXCESSIVE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		2 COLL	8 LEAF			
		4 IN				

CORN PREEMERGENCE

Trial ID: C8101

Investigator:

Location: PRINCETON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF	4 LF			
		3 IN	6 IN			
AMBTR		6 LF	8 LF			
		4 IN	10 IN			
IPOHE		COT	4 LF			
		1 IN	4 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	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	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Propellant:	CO2	CO2				

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE

Trial ID: C8103
Location: PRINCETON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	ZEAMX	AMBTR	IPOHE
Crop Code			
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
1	BICEP II	5.9	F	3.2	LB A/A	PRE	0	93	92
1	HORNET	85.6	WG	.086	LB A/A	10C			
1	COC		L	1	QT/A	10C			
2	BICEP II	5.9	F	3.2	LB A/A	PRE	0	95	95
2	HORNET	85.6	WG	.086	LB A/A	10C			
2	AATREX	4	F	1	LB A/A	10C			
2	COC		L	1	QT/A	10C			
3	DUAL II	7.8	EC	2	LB A/A	PRE	0	95	95
3	HORNET	85.6	WG	.086	LB A/A	10C			
3	AATREX	4	F	1.5	LB A/A	10C			
3	COC		L	1	QT/A	10C			
4	FRONTIER	6	E	1.3	LB A/A	PRE	0	93	93
4	SCORPION III	84.3	WG	.21	LB A/A	8C			
4	ACTIVATOR 90			.25	% V/V	8C			
5	BICEP LITE II MAGNUM	6	SL	1.88	LB A/A	PRE	0	95	93
5	EXCEED	65	DF	.036	LB A/A	6C			
5	COC		L	1	QT/A	6C			
6	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	92	92
6	EXCEED	65	DF	.036	LB A/A	6C			
6	COC		L	1	QT/A	6C			
7	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	93	95
7	EXCEED	65	DF	.036	LB A/A	6C			
7	BANVEL	4	EC	.125	LB A/A	6C			
7	COC		L	1	QT/A	6C			
8	BICEP II MAGNUM	5.5	L	1.88	LB A/A	PRE	0	93	92
8	SPIRIT	57	WG	.036	LB A/A	6C			
8	COC		L	1	QT/A	6C			
9	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	87	88
9	SPIRIT	57	WG	.036	LB A/A	6C			
9	COC		L	1	QT/A	6C			

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

CORN POSTEMERGENCE

Trial ID: C8103

Investigator:

Location: PRINCETON, KY.

Study Dir.: Charles H. Slack

Weed Code	ZEAMX	AMBTR	IPOHE
Crop Code			
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
10	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	93	93
10	SPIRIT	57	WG	.036	LB A/A	6C			
10	BANVEL	4	EC	.125	LB A/A	6C			
10	COC		L	1	QT/A	6C			
11	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	85	90
11	AIM	50	DF	.008	LB A/A	MP			
11	AATREX	4	F	.5	LB A/A	MP			
11	ACTIVATOR 90			.25	% V/V	MP			
12	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	90	93
12	AIM	50	DF	.008	LB A/A	MP			
12	AATREX	4	F	1	LB A/A	MP			
12	ACTIVATOR 90			.25	% V/V	MP			
13	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	85	83
13	AIM	50	DF	.008	LB A/A	MP			
13	EXCEED	65	DF	.018	LB A/A	MP			
13	ACTIVATOR 90			.25	% V/V	MP			
14	DUAL II MAGNUM	7.6	EC	1.43	LB A/A	PRE	0	85	92
14	AIM	50	DF	.008	LB A/A	MP			
14	EXCEED	65	DF	.036	LB A/A	MP			
14	ACTIVATOR 90			.25	% V/V	MP			
15	RESOURCE	.86	EC	.027	LB A/A	MP	0	27	23
15	ACCENT	75	WG	.031	LB A/A	MP			
15	COC		L	1	QT/A	MP			
16	RESOURCE	.86	EC	.04	LB A/A	MP	0	30	40
16	ACCENT	75	WG	.031	LB A/A	MP			
16	COC		L	1	QT/A	MP			
17	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	85	87
17	HORNET	85.6	WG	.125	LB A/A	MP			
17	COC		L	1	QT/A	MP			
17	LIQUID N		L	2	QT/A	MP			

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

CORN POSTEMERGENCE

Trial ID: C8103 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

Weed Code	ZEAMX	AMBTR	IPOHE
Crop Code			
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
18	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	93	92
18	HORNET	85.6	WG	.125	LB A/A	MP			
18	AATREX	4	F	.25	LB A/A	MP			
18	COC		L	1	QT/A	MP			
18	LIQUID N		L	2	QT/A	MP			
19	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	93	95
19	HORNET	85.6	WG	.125	LB A/A	MP			
19	AATREX	4	F	.5	LB A/A	MP			
19	COC		L	1	QT/A	MP			
19	LIQUID N		L	2	QT/A	MP			
20	ACCENT GOLD	75	DF	.023	LB A/A	MP	0	93	93
20	HORNET	85.6	WG	.125	LB A/A	MP			
20	AATREX	4	F	1	LB A/A	MP			
20	COC		L	1	QT/A	MP			
20	LIQUID N		L	2	QT/A	MP			
21	BASIS GOLD	89.5	DF	.79	LB A/A	MP	0	95	95
21	HORNET	85.6	WG	.086	LB A/A	MP			
21	ACCENT	75	WG	.016	LB A/A	MP			
21	COC		L	1	QT/A	MP			
21	LIQUID N		L	2	QT/A	MP			
22	FRONTIER	6	E	.78	LB A/A	PRE	0	90	92
22	MARKSMAN	3.2	F	1.4	LB A/A	4C			
22	LIQUID N		L	2.5	QT/A	4C			
23	FRONTIER	6	E	1.3	LB A/A	PRE	0	92	90
23	CLARITY	4	E	.5	LB A/A	4C			
23	LIQUID N		L	2.5	QT/A	4C			
24	FRONTIER	6	E	1.3	LB A/A	PRE	0	88	90
24	CELEBRITY								
24	NICOSULFURON	75	DF	.031	LB A/A	MP			
24	DICAMBA	70	DF	.2625	LB A/A	MP			
24	ACTIVATOR 90			.25	3/4 V/V	MP			
24	LIQUID N		L	2.5	QT/A	MP			

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

CORN POSTEMERGENCE

Trial ID: C8103 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

Weed Code		AMBTR	IPOHE
Crop Code	ZEAMX		
Part Rated			
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date			
Footnote Number			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg			
25	CELEBRITY						0	82	85
25	NICOSULFURON	75	DF	.031	LB A/A	MP			
25	DICAMBA	70	DF	.2625	LB A/A	MP			
25	ACTIVATOR 90			.25	% V/V	MP			
25	LIQUID N		L	2.5	QT/A	MP			
LSD (P=.05)							0.0	7.2	7.6
Standard Deviation							0.0	4.4	4.6
CV							0.0	5.1	5.33

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

CORN POSTEMERGENCE

Trial ID: C8103 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky
Other Investigator: James R. Martin
Affiliation: University of Kentucky

Postal Code: 40526
Title: Extension Weed Science
Postal Code: 42445

Trial Status: Complete Initiation Date: 4-25-98 Country: USA
City: Princeton State/Prov.: KY Postal Code: 42445

CROP AND PEST DESCRIPTION

Weed 1.AMBTR GIANT RAGWEED 2.IPOHE IVYLEAF MG

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541IT Planting Date: 5-25-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 59 F Soil Moisture: SLIGHTLY WET Emergence Date: 5-6-98

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 1.2 % Sand: 25 % Silt: 47 % Clay: 28
pH: 6.5 Soil Name: CRIDER Fertility Level: EXCELLENT

Closest Weather Station: PRINCETON Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-25-98	5-18-98	5-21-98	5-27-98	5-28-98	
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
Application Timing:	PRE	4C	6C & MP	8C	10C	
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	
Air Temp., Unit:	62 F	72 F	78 F	73 F	76 F	
% Relative Humidity:	80	70	80	75	90	
Wind Velocity, Unit:	3 MPH	1 MPH	4 MPH	2 MPH	3 MPH	
Dew Presence (Y/N):	N	N	N	N	N	
Soil Temp., Unit:	59 F	74 F	75 F	75 F	76 F	
Soil Moisture:	EXCESSIVE	EXCESSIVE	ADEQUATE	ADEQUATE	ADEQUATE	

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX		2 COLL	3 COLL	4 COLL	5 COLL	
		4 IN	6 IN	8 IN	10 IN	

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

CORN POSTEMERGENCE

Trial ID: C8103

Investigator:

Location: PRINCETON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
AMBTR		4 LF	4 LF	8 LF	8 LF	
		3 IN	4 IN	6 IN	7 IN	
IPOHE		2 LF	2 LF	4 LF	4 LF	
		1 IN	2 IN	3 IN	3 IN	

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	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	19 IN	19 IN	19 IN		
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH	4 MPH		
Carrier:	WATER	WATER	WATER	WATER		
Propellant:	CO2	CO2	CO2	CO2		

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C8120
Location: PRINCETON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	XANST
Crop Code					
Part Rated					
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	XANST
1	LIBERTY	1.67	E	.27	LB A/A	MP	95	72	7	95	72
1	AATREX	4	F	.75	LB A/A	MP					
1	AMS	100	SG	3	LB A/A	MP					
2	LIBERTY	1.67	E	.27	LB A/A	MP	82	47	0	82	47
2	AMS	100	SG	3	LB A/A	MP					
2	LIBERTY	1.67	E	.27	LB A/A	IFN					
2	AMS	100	SG	3	LB A/A	IFN					
3	AATREX	4	F	1.5	LB A/A	PRE	88	50	0	88	50
3	LIBERTY	1.67	E	.27	LB A/A	MP					
3	AMS	100	SG	3	LB A/A	MP					
4	AATREX	4	F	1.5	LB A/A	MP	97	83	0	97	83
4	LIBERTY	1.67	E	.27	LB A/A	MP					
4	AMS	100	SG	3	LB A/A	MP					
5	DUAL II MAGNUM	7.6	EC	.92	LB A/A	PRE	100	80	0	100	80
5	LIBERTY	1.67	E	.27	LB A/A	MP					
5	AATREX	4	F	.75	LB A/A	MP					
5	AMS	100	SG	3	LB A/A	MP					
6	ACCENT	75	WG	.016	LB A/A	MP	83	78	10	83	78
6	EXCEED	65	DF	.018	LB A/A	MP					
6	COC		L	1	QT/A	MP					
6	LIQUID N		L	1	QT/A	MP					
LSD (P=.05)							9.8	14.8	4.3	9.8	14.8
Standard Deviation							5.4	8.1	2.4	5.4	8.1
CV							5.95	11.87	84.85	5.95	11.87

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C8120 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky
Other Investigator: James R. Martin
Affiliation: University of Kentucky
Postal Code: 40526
Title: Extension Weed Science
Postal Code: 42445

Trial Status: complete Initiation Date: 4-25-98 Country: USA
City: Princeton State/Prov.: KY Postal Code: 42445

CROP AND PEST DESCRIPTION

Weed 1.SETVI GREEN FOXTAIL 2.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: N7639 BtLR80 Planting Date: 4-25-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 59 F Soil Moisture: SLIGHTLY WET Emergence Date: 5-6-98

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 1.2 % Sand: 25 % Silt: 47 % Clay: 28
pH: 6.5 Soil Name: CRIDER Fertility Level: EXCELLENT

Closest Weather Station: PRINCETON Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-25-98	5-19-98	6-11-98			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	IFN			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	62 F	74 F	77 F			
% Relative Humidity:	80	65	90			
Wind Velocity, Unit:	3 MPH	2 MPH	3 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	59 F	75 F	76 F			
Soil Moisture:	EXCESSIVE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX						
		3 COLL				
		6 IN				

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C8120

Investigator:

Location: PRINCETON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETVI		2 LF	2 LF			
		2 IN	2 IN			
XANST		4 LF	4 LF			
		3 IN	3 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	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	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Spray Volume, Unit:	24 GPA	24 GPA				
Propellant:	CO2	CO2				

Trt No

Treatment Application Comment

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

CORN POSTEMERGENCE IT

Trial ID: C8112
Location: PRINCETON, KY.Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB		SETFA	XANST
Crop Code			ZEAMX		
Part Rated					
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Footnote Number					
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg					
1	LIGHTNING	70	DG	.056	LB A/A	MP	97	82	0	97	82
1	ACTIVATOR 90			.25	% V/V	MP					
1	LIQUID N		L	1	QT/A	MP					
2	LIGHTNING	70	DG	.056	LB A/A	MP	98	88	0	98	88
2	BANVEL	4	EC	.187	LB A/A	MP					
2	ACTIVATOR 90			.25	% V/V	MP					
2	LIQUID N		L	1	QT/A	MP					
3	LIGHTNING	70	DG	.056	LB A/A	MP	98	93	0	98	93
3	AATREX	4	F	1	LB A/A	MP					
3	ACTIVATOR 90			.25	% V/V	MP					
3	LIQUID N		L	1	QT/A	MP					
4	AATREX	4	F	1	LB A/A	PRE	100	92	0	100	92
4	LIGHTNING	70	DG	.056	LB A/A	LP					
4	ACTIVATOR 90			.25	% V/V	LP					
4	LIQUID N		L	1	QT/A	LP					
5	AATREX	4	F	1	LB A/A	PRE	98	93	0	98	93
5	LIGHTNING	70	DG	.056	LB A/A	LP					
5	AATREX	4	F	.5	LB A/A	LP					
5	ACTIVATOR 90			.25	% V/V	LP					
5	LIQUID N		L	1	QT/A	LP					
6	AATREX	4	F	1	LB A/A	PRE	100	95	0	100	95
6	PROWL	3.3	EC	1	LB A/A	PRE					
6	LIGHTNING	70	DG	.056	LB A/A	LP					
6	ACTIVATOR 90			.25	% V/V	LP					
6	LIQUID N		L	1	QT/A	LP					
LSD (P=.05)							4.0	5.7	0.0	4.0	5.7
Standard Deviation							2.2	3.1	0.0	2.2	3.1
CV							2.2	3.44	0.0	2.2	3.44

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

CORN POSTEMERGENCE IT

Trial ID: C8112 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Other Investigator: James R. Martin
Affiliation: University of Kentucky Postal Code: 42445

Trial Status: Complete Initiation Date: 4-25-98 Country: USA
City: Princeton State/Prov.: KY Postal Code: 42445

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: GARST 8541IT Planting Date: 4-25-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 59 F Soil Moisture: SLIGHTLY WET Emergence Date: 5-6-98

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 1.2 % Sand: 25 % Silt: 47 % Clay: 28
pH: 6.5 Soil Name: CRIDER Fertility Level: EXCELLENT

Closest Weather Station: PRINCETON Distance: 2 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-25-98	5-19-98	5-27-98			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PRE	MP	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	62 F	74 F	73 F			
% Relative Humidity:	60	70	75			
Wind Velocity, Unit:	5 MPH	3 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	59 F	75 F	75 F			
Soil Moisture:	EXCESSIVE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX						
		3 COLLARS	5 COLLARS			
		6 IN	10 IN			

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

CORN POSTEMERGENCE IT

Trial ID: C8112 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF	5 LF			
		3 IN	8 IN			
XANST		4 LF	6 LF			
		3 IN	8 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
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:	19 IN	19 IN	19 IN			
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH			
Carrier:	WATER	WATER	WATER			
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA			
Propellant:	CO2	CO2	CO2			

Trt No Treatment Application Comment

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

CORN POSTEMERGENCE SR

Trial ID: C81125
Location: PRINCETON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	GGGGG	BBBBB	ZEAMX	SETFA	ABUTH	XANST
Crop Code						
Part Rated						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Footnote Number						
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
PRM Data Type	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	GGGGG	BBBBB	ZEAMX	SETFA	ABUTH	XANST
1	AATREX	4	F	1.5	LB A/A	PRE	98	63	0	98	87	67
1	POAST PLUS	1	E	.19	LB A/A	MP						
1	COC		L	1.25	QT/A	MP						
2	FRONTIER	6	E	.94	LB A/A	PRE	93	15	0	93	33	15
2	POAST PLUS	1	E	.19	LB A/A	MP						
2	COC		L	1.25	QT/A	MP						
3	GUARDSMAN	5	E	2.8	LB A/A	PRE	97	77	0	97	93	75
3	POAST PLUS	1	E	.19	LB A/A	MP						
3	COC		L	1.25	QT/A	MP						
4	FRONTIER	6	E	.94	LB A/A	PRE	98	73	0	98	92	70
4	POAST PLUS	1	E	.19	LB A/A	MP						
4	CLARITY	4	E	.25	LB A/A	MP						
4	ACTIVATOR 90			.25	% V/V	MP						
5	FRONTIER	6	E	.94	LB A/A	PRE	97	80	0	97	98	85
5	DISTINCT	70	WG	.263	LB A/A	MP						
5	ACTIVATOR 90			.25	% V/V	MP						
6	FRONTIER	6	E	.94	LB A/A	PRE	100	83	0	100	98	83
6	MARKSMAN	3.2	F	1.5	LB A/A	MP						
6	ACTIVATOR 90			.25	% V/V	MP						
LSD (P=.05)							7.7	10.2	0.0	7.7	29.8	12.5
Standard Deviation							4.2	5.6	0.0	4.2	16.4	6.9
CV							4.37	8.58	0.0	4.37	19.61	10.47

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

CORN POSTEMERGENCE SR

Trial ID: C81125 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack Postal Code: 40526
Affiliation: University of Kentucky Title: Extension Weed Science
Other Investigator: James R. Martin Postal Code: 42445
Affiliation: University of Kentucky

Trial Status: Complete Initiation Date: 4-25-98 Country: USA
City: Princeton State/Prov.: KY Postal Code: 42445

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.ABUTH VELVETLEAF 3.XANST C. COCKLEBUR

Crop 1: ZEAMX FIELD CORN Variety: DEKALB 683SR Planting Date: 4-25-98
Planting Method: ROW Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 59 F Soil Moisture: SLIGHTLY WET Emergence Date: 5-6-98

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 1.2 % Sand: 25 % Silt: 47 % Clay: 28
pH: 6.5 Soil Name: CRIDER Fertility Level: EXCELLENT

Closest Weather Station: PRINCETON Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	4-25-98	5-19-98				
Application Method:	SPRAY	SPRAY				
Application Timing:	PRE	MP				
Applic. Placement:	BROSOI	BROFOL				
Air Temp., Unit:	62 F	74 F				
% Relative Humidity:	70	60				
Wind Velocity, Unit:	3 MPH	2 MPH				
Dew Presence (Y/N):	N	N				
Soil Temp., Unit:	59 F	75 F				
Soil Moisture:	EXCESSIVE ADEQUATE					

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
ZEAMX						

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

CORN POSTEMERGENCE SR

Trial ID: C81125 Investigator:
Location: PRINCETON, KY. Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA		2 LF				
		2 IN				
ABUTH		2 LF				
		2 IN				
XANST		4 LF				
		3 IN				

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	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	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Carrier:	WATER	WATER				
Propellant:	CO2	CO2				

Trt No Treatment Application Comment

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

BURLEY TOBACCO

Trial ID: T8001
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	NIOTA	SETFA	AMACH	AMPAL	NIOTA	SETFA	AMACH	AMPAL
Crop Code	INJURY	CONTORL	CONTORL	CONTROL	INJURY	CONTORL	CONTORL	CONTROL
Part Rated	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
Rating Unit	P	P	P	P	P	P	P	P
Rating Date	0	0	0	0	0	0	0	0
Footnote Number								
Trt-Eval Interval								
PRM Data Type								
# Subsamples, Dec.								

Trt No.	Treatment Name	Form Amt	Em Ds	Rate	Rate Unit	Grow Stg	3	100	100	93	0	95	90	87
1	SPARTAN	75	DF	.3125	LB A/A	PRT	3	100	100	93	0	95	90	87
2	SPARTAN	75	DF	.375	LB A/A	PRT	0	100	100	96	0	93	90	90
3	SPARTAN	75	DF	.3125	LB A/A	PPI	0	97	98	83	0	92	93	80
4	SPARTAN	75	DF	.375	LB A/A	PPI	0	100	100	93	0	98	95	88
5	SPARTAN	75	DF	.3125	LB A/A	PPI	0	98	100	98	0	95	97	93
5	PROWL	3.3	EC	.75	LB A/A	PPI								
6	SPARTAN	75	DF	.3125	LB A/A	PRT	0	100	100	97	0	98	97	88
6	PROWL	3.3	EC	.75	LB A/A	PRT								
7	SPARTAN	75	DF	.3125	LB A/A	PPI	0	100	100	99	0	97	95	93
7	COMMAND	3	ME	.75	LB A/A	POT								
8	SPARTAN	75	DF	.3125	LB A/A	PRT	0	100	100	98	0	100	95	93
8	COMMAND	3	ME	.75	LB A/A	PRT								
9	SPARTAN	75	DF	.3125	LB A/A	PRT	0	100	100	93	0	97	95	88
9	POAST	1.53	EC	.28	LB A/A	MP								
9	COC		L	1	QT/A	MP								
10	PROWL	3.3	EC	.75	LB A/A	PPI	0	97	92	98	0	92	80	93
10	COMMAND	3	ME	.375	LB A/A	PPI								
11	PROWL	3.3	EC	.75	LB A/A	PRT	0	100	90	100	0	100	82	93
11	COMMAND	3	ME	.375	LB A/A	PRT								
12	Weedy Check						0	0	0	0	0	0	0	0
LSD (P=.05)							2.8	2.4	5.5	6.4	0.0	5.6	7.9	4.8
Standard Deviation							1.7	1.4	3.2	3.8	0.0	3.3	4.6	2.8
CV							600.0	1.56	3.59	4.35	0.0	3.75	5.52	3.45

BURLEY TOBACCO

Trial ID: T8001 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526
Trial Status: Complete Initiation Date: 5-19-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1. SETFA GIANT FOXTAIL 2. AMACH SMOOTH PIGWEED 3. AMPAL HONEYVINE MILK-

Crop 1: NIOTA BURLEY TOBAC Variety: TN 90 Planting Date: 5-20-98
Planting Method: SET Rate: 8000 P/A Depth: 3 IN
Row Spacing: 42 IN Seed Bed: FINE
Soil Temperature: 74 F Soil Moisture: NORMAL

Plot Width, Unit: 6.66 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-19-98	5-20-98	6-10-98			
Application Method:	SPRAY	SPRAY	SPRAY			
Application Timing:	PPI & PRT	POT	LP			
Applic. Placement:	BROSOI	BROFOL	BROFOL			
Air Temp., Unit:	71 F	73 F	78 F			
% Relative Humidity:	70	85	90			
Wind Velocity, Unit:	3 MPH	2 MPH	2 MPH			
Dew Presence (Y/N):	N	N	N			
Soil Temp., Unit:	70 F	75 F	74 F			
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
NIOTA		2 LF	8 LF			
		6 IN	12 IN			

BURLEY TOBACCO

Trial ID: T8001

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA			3 LF			
			5 IN			
AMACH			6 LF			
			4 IN			
AMPAL			4 LF			
			4 IN			

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	4 WHEELER	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:	6.33 FT	6.33 FT				
Boom Height, Unit:	19 IN	19 IN				
Ground Speed, Unit:	4 MPH	4 MPH				
Incorporation Equip.:	FIELD CUL	FIELD CUL				
Hours to Incorp.:	.5	.5				
Incorp. Depth, Unit:	2 IN	2 IN				
Carrier:	WATER	WATER				
Spray Volume, Unit:	24 GPA	24 GPA				
Propellant:	CO2	CO2				

Trt No

Treatment Application Comment

NON-CROP WEED SCREEN

Trial ID: SCRN8001
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

	SETFA	CHEAL	POLPE	XANST	SETFA	CHEAL	POLPE	XANST
Weed Code								
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	1 WEEKS	1 WEEKS	1 WEEKS	1 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg							
1	UNTREATED						0	0	0	0	0	0	0
2	ETK-2303	1.3	L	1	LB AE/A	LP	100	100	98	100	100	100	100
2	FRIGATE			.5	% V/V	LP							
3	ETK-2303	1.3	L	.86	LB AE/A	LP	100	100	98	100	100	100	100
3	FRIGATE			.5	% V/V	LP							
4	ETK-2303	1.3	L	.75	LB AE/A	LP	100	100	99	100	100	100	100
4	FRIGATE			.5	% V/V	LP							
5	ETK-2303	1.3	L	.64	LB AE/A	LP	100	100	99	100	100	100	100
5	FRIGATE			.5	% V/V	LP							
6	ETK-2303	1.3	L	.5	LB AE/A	LP	100	100	99	100	100	100	100
6	FRIGATE			.5	% V/V	LP							
7	ETK-2303	1.3	L	.32	LB AE/A	LP	100	100	95	100	100	98	100
7	FRIGATE			.5	% V/V	LP							
8	ROUNDUP ULTRA	4	AS	1	LB AE/A	LP	100	99	98	100	100	100	100
9	ROUNDUP ULTRA	4	AS	.75	LB AE/A	LP	100	100	98	100	100	100	100
10	ROUNDUP ULTRA	4	AS	.5	LB AE/A	LP	100	99	98	99	100	98	100
LSD (P=.05)							0.0	0.8	2.6	0.6	0.0	0.0	1.9
Standard Deviation							0.0	0.5	1.5	0.4	0.0	0.0	1.1
CV							0.0	0.54	1.72	0.41	0.0	0.0	1.21

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

NON-CROP WEED SCREEN

Trial ID: SCRN8001
Location: LEXINGTON, KY.

Investigator:
Study Dir.: Charles H. Slack

Weed Code	SETFA	CHEAL	POLPE	XANST	SETFA	CHEAL	POLPE	XANST
Crop Code								
Part Rated								
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								
Footnote Number								
Trt-Eval Interval	3 WEEKS	3 WEEKS	3 WEEKS	3 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS
PRM Data Type	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	POLPE	XANST	SETFA	CHEAL	POLPE	XANST
1	UNTREATED						0	30	0	0	0	0	0	0
2	ETK-2303	1.3	L	1	LB AE/A	LP	95	90	100	97	90	80	100	93
2	FRIGATE			.5	% V/V	LP								
3	ETK-2303	1.3	L	.86	LB AE/A	LP	95	90	100	97	90	80	100	93
3	FRIGATE			.5	% V/V	LP								
4	ETK-2303	1.3	L	.75	LB AE/A	LP	95	88	100	95	90	77	100	90
4	FRIGATE			.5	% V/V	LP								
5	ETK-2303	1.3	L	.64	LB AE/A	LP	95	90	100	93	90	80	100	87
5	FRIGATE			.5	% V/V	LP								
6	ETK-2303	1.3	L	.5	LB AE/A	LP	95	90	100	95	90	80	100	90
6	FRIGATE			.5	% V/V	LP								
7	ETK-2303	1.3	L	.32	LB AE/A	LP	95	90	98	95	90	80	98	90
7	FRIGATE			.5	% V/V	LP								
8	ROUNDUP ULTRA	4	AS	1	LB AE/A	LP	95	90	100	97	90	80	100	93
9	ROUNDUP ULTRA	4	AS	.75	LB AE/A	LP	95	90	100	95	90	80	100	90
10	ROUNDUP ULTRA	4	AS	.5	LB AE/A	LP	95	88	98	97	90	77	98	93
LSD (P=.05)							0.0	30.3	2.1	3.5	0.0	8.4	2.1	6.9
Standard Deviation							0.0	17.7	1.2	2.0	0.0	4.9	1.2	4.0
CV							0.0	21.13	1.36	2.35	0.0	6.83	1.36	4.92

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

NON-CROP WEED SCREEN

Trial ID: SCRN8001 Investigator:
Location: LEXINGTON, KY. Study Dir.: Charles H. Slack

GENERAL TRIAL INFORMATION

Study Director: Charles H. Slack
Affiliation: University of Kentucky Postal Code: 40526

Trial Status: Complete Initiation Date: 5-29-98 Country: USA
City: Lexington State/Prov.: KY Postal Code: 40526

CROP AND PEST DESCRIPTION

Weed 1.SETFA GIANT FOXTAIL 2.CHEAL C.LAMBSQUARTERS 3.POLPY PENN. SMARTWEED
4.XANST C. COCKLEBUR

Plot Width, Unit: 6.33 FT Plot Length, Unit: 33 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

Texture: SILT LOAM % OM: 3 % Sand: 6 % Silt: 64 % Clay: 30
pH: 6.5 CEC: 17 Soil Name: MAURY Fertility Level: EXCELLENT

Closest Weather Station: SPINDLETOP FARM Distance: 1 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-29-98					
Application Method:	SPRAY					
Application Timing:	LP					
Applic. Placement:	BROFOL					
Air Temp., Unit:	73 F					
% Relative Humidity:	84					
Wind Velocity, Unit:	3 MPH					
Dew Presence (Y/N):	N					
Soil Temp., Unit:	74 F					
Soil Moisture:	ADEQUATE					

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

NON-CROP WEED SCREEN

Trial ID: SCRN8001

Investigator:

Location: LEXINGTON, KY.

Study Dir.: Charles H. Slack

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
SETFA						
Stage Scale:	3 LF					
Density, Unit:	5 IN					
CHEAL						
Stage Scale:	10 LF					
Density, Unit:	4 IN					
POLPY						
Stage Scale:	6 LF					
Density, Unit:	5 IN					
XANST						
Stage Scale:	8 LF					
Density, Unit:	7 IN					

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK					
Operating Pressure:	30					
Nozzle Type:	FLAT FAN					
Nozzle Size:	8004 DG					
Nozzle Spacing, Unit:	20 IN					
Boom Length, Unit:	6.33 FT					
Boom Height, Unit:	19 IN					
Ground Speed, Unit:	4 MPH					
Carrier:	WATER					
Spray Volume, Unit:	24 GPA					
Propellant:	CO2					

Trt No	Treatment Application Comment
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