

2002

Herbicide Evaluation Trials

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I. ABBREVIATIONS

A. Crop and Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
AMACH	Smooth Pigweed	<i>Amaranthus hybridus</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
BRAPP	Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
ERICA	Horseweed	<i>Conyza Canadensis Cronq</i>
GLXMA	Soybean	<i>Glycine max</i>
HPPVU	Marestail	<i>Hippuris vulgaris</i>
IPOHE	Ivyleaf Morningglory	<i>Ipomoea hederacea</i>
IPOLA	Pitted Morningglory	<i>Ipomoea lacunosa</i>
IPOSS	Morningglory	<i>Ipomoea ssp.</i>
LACSE	Prickly Lettuce	<i>Lactuca serriola</i>
NIOTA	Burley Tobacco	<i>Nicotiana tabacum L.</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pennsylvanicum</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
SORHA	Johnsongrass	<i>Sorghum halepense</i>
STEME	Common Chickweed	<i>Stellaria media</i>
TAROF	Common Dandelion	<i>Taraxcum officinale</i>
TRFPR	Red Clover	<i>Trifolium pratense</i>
TRFRE	White Clover	<i>Trifolium repens</i>
XANST	Common Cocklebur	<i>Xanthium strumarium</i>
ZEAMX	Corn	<i>Zea mays</i>

I. ABBREVIATIONS

B. Herbicide application times in Reference to Crop or Weeds

PREEMERGENCE

2WK	2 WEEKS BEFORE PLANTING
1WK	1 WEEK BEFORE PLANTING
PRE	PREEMERGENCE
PPI	PRE PLANT INCORPORATED
PRT	PRE TRANSPLANT

POSTEMERGENCE

EP	EARLY POSTEMERGENCE WEEDS 0-2"
MP	MID-POSTEMERGENCE WEEDS 2-4"
LMP	LATE MID-POSTEMERGENCE
LP	LATE POSTEMERGENCE WEEDS 4-6"
V2	CORN AT GROWTH STAGE V2
2LC	2 LEAF CORN
5LC	5 LEAF CORN
3LF	3 LEAF CORN
6LF	6 LEAF CORN
9LF	9 LEAF CORN
4"	4 INCH WEEDS
8"	8 INCH WEEDS
12"	12 INCH WEEDS
16"	16 INCH WEEDS
12C	12 INCH CORN
16C	16 INCH CORN
20C	20 INCH CORN
30C	30 INCH CORN
12J	12 INCH JOHNSONGRASS
18J	18 INCH JOHNSONGRASS
+2WK	TWO WEEKS AFTER PLANTING
REG	WEED REGROWTH
IFN	IF NEEDED
LBY	LAY-BY

II. A. APRIL CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
04-01-2002	57	38	48		82	29	55	46	56	42	
04-02-2002	76	47	62		81	29	56	48	57	46	
04-03-2002	48	36	42	0.09	91	52	54	47	54	46	
04-04-2002	47	30	38		85	41	51	43	51	41	
04-05-2002	49	28	38		89	33	52	43	52	40	
04-06-2002	44	31	38		88	37	55	44	53	42	
04-07-2002	66	28	47		71	25	54	43	56	40	
04-08-2002	73	54	64		56	38	56	50	59	51	
04-09-2002	65	44	54	0.27	92	70	57	54	59	53	
04-10-2002	65	43	54		89	40	62	51	60	50	
04-11-2002	79	46	62		71	41	63	52	65	49	
04-12-2002	73	62	68	0.01	89	56	64	58	67	58	
04-13-2002	72	58	65	0.07	94	61	65	60	68	60	
04-14-2002	66	61	64	0.09	89	77	63	61	64	61	
04-15-2002	81	62	72		86	51	68	60	72	59	
04-16-2002	83	64	74		78	45	69	62	75	62	
04-17-2002	82	65	74		100	52	70	64	75	65	
04-18-2002	83	58	70		89	49	71	63	78	64	
04-19-2002	83	64	74	0.13	87	50	71	66	78	68	
04-20-2002	75	62	68	0.16	93	65	70	66	74	67	
04-21-2002	77	55	66	1.08	95	72	69	65	70	65	
04-22-2002	59	40	50		89	46	65	60	66	58	
04-23-2002	62	34	48		92	45	65	56	66	52	
04-24-2002	70	43	56	0.34	92	42	63	57	65	54	
04-25-2002	66	44	55	0.11	93	27	63	58	64	56	
04-26-2002	61	45	53		76	33	63	57	65	54	
04-27-2002	62	46	54	0.97	94	56	60	57	59	56	
04-28-2002	78	47	62	0.87	93	37	64	58	67	58	
04-29-2002	58	45	52		86	55	60	57	61	54	
04-30-2002	74	42	58		89	34	63	55	67	53	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Deviation	68	47	58	4.19	87	46	62	55	64	54	
	+2	+3	+2	+0.31							

Data if used for legal purposes must be certified by NCDC,
National Climate Data Center (Phone 828/271-4800)

II. A. MAY CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
05-01-2002	72	51	62	0.94	92	71	63	59	65	58	
05-02-2002	73	47	60	0.41	92	76	64	61	65	59	
05-03-2002	59	42	50		94	41	61	57	63	54	
05-04-2002	67	42	54		92	45	64	56	67	53	
05-05-2002	71	49	60		96	41	66	59	70	58	
05-06-2002	69	57	63	0.84	94	55	63	60	63	60	
05-07-2002	75	64	70	0.07	99	76	66	61	62	47	
05-08-2002	80	61	70		95	58	68	63	72	64	
05-09-2002	75	55	65	0.08	84	61	68	65	70	65	
05-10-2002	62	49	56		81	40	65	62	66	59	
05-11-2002	79	50	64		79	44	68	59	70	57	
05-12-2002	79	61	70	0.26	93	63	69	66	70	57	
05-13-2002	64	44	54	0.92	95	84	67	60	68	58	
05-14-2002	62	42	52		93	42	63	58	64	55	
05-15-2002	71	46	58		88	42	66	58	69	55	
05-16-2002	75	55	65		70	43	66	61	69	59	
05-17-2002	66	42	54	0.84	93	69	64	61	65	59	
05-18-2002	57	40	48		91	42	61	58	62	55	
05-19-2002	58	34	46		90	31	62	55	64	50	
05-20-2002	55	42	48		85	45	59	57	60	59	
05-21-2002	54	39	46		87	40	59	55	60	52	
05-22-2002	66	36	51		78	33	62	53	66	49	
05-23-2002	73	48	60		73	40	65	56	71	55	
05-24-2002	78	58	68		76	49	67	60	74	60	
05-25-2002	79	61	70		88	43	68	62	76	63	
05-26-2002	72	60	66		93	72	68	65	72	66	
05-27-2002	83	59	71		94	47	74	64	76	67	
05-28-2002	83	62	72		90	48	75	67	77	69	
05-29-2002	86	61	74		93	35	75	68	76	70	
05-30-2002 E	83	62	72		90	48	74	67	77	69	
05-31-2002	84	63	74		94	49	76	69	78	70	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Deviation	71	51	61	4.36	89	51	66	61	69	59	
	-4	-4	-4	-0.11							

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"E" indicates data estimated by NWS.

II. A. JUNE CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
							MX	MN	MX	MN	
06-01-2002	84	63	74		94	49	76	69	78	70	
06-02-2002	86	66	76	0.02	94	60	79	72	80	73	
06-03-2002	90	66	78		94	44	79	71	82	72	
06-04-2002 E	93	71	82		84	47	80	73	83	74	
06-05-2002	86	67	76	0.72	95	57	80	72	84	74	
06-06-2002	68	60	64	0.83	95	84	75	70	77	71	
06-07-2002	75	59	67		100	50	69	63	70	62	
06-08-2002	84	54	69		95	53	77	67	79	67	
06-09-2002	86	68	77		89	46	80	71	82	72	
06-10-2002	87	65	76		92	42	79	73	81	74	
06-11-2002	84	66	75		87	51	78	72	80	74	
06-12-2002	84	68	76	0.75	93	59	78	73	80	74	
06-13-2002	82	66	74	0.02	94	65	76	73	78	73	
06-14-2002	76	59	68		90	47	75	71	77	72	
06-15-2002	75	55	65	0.04	87	44	75	68	76	68	
06-16-2002	75	58	66	0.01	93	52	74	69	75	68	
06-17-2002	79	51	65		96	30	77	67	79	66	
06-18-2002	82	56	69		82	34	78	68	80	68	
06-19-2002	84	61	72		84	46	77	70	81	71	
06-20-2002	88	65	76		86	41	81	71	86	73	
06-21-2002	87	64	76		93	37	81	73	87	75	
06-22-2002	85	62	74		90	33	81	72	88	75	
06-23-2002	88	63	76		85	38	81	73	87	76	
06-24-2002	87	69	78		87	47	81	75	86	79	
06-25-2002	88	67	78	0.01	91	58	81	75	85	78	
06-26-2002	85	70	78	0.01	90	53	79	74	83	77	
06-27-2002	82	68	75	0.04	91	60	78	74	82	77	
06-28-2002	82	69	76		92	61	79	73	83	76	
06-29-2002 E	88	67	78		99	50	79	76			
06-30-2002	89	70	80		92	52	82	74	87	77	

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS		BARE		
							MX	MN	MX	MN	
	84	64	74	2.45	91	50	78	71	81	73	
	+1	+2	+1	-1.21							

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"E" indicates data estimated by NWS.

II. A. JULY CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
07-01-2002	93	69	81		94	42	84	76	89	79	
07-02-2002	90	70	80		94	48	85	77	91	81	
07-03-2002	91	66	78		89	39	86	76	92	81	
07-04-2002	93	68	80		93	35	87	77	94	82	
07-05-2002	91	72	82		92	47	87	79	94	83	
07-06-2002	84	62	73		77	33	86	76	93	81	
07-07-2002	86	62	74		80	32	86	75	92	80	
07-08-2002	91	63	77		80	35	85	75	92	81	
07-09-2002	90	72	81		89	45	84	78	90	83	
07-10-2002	82	69	76		92	68	83	78	88	82	
07-11-2002	82	64	73		77	40	85	75	91	80	
07-12-2002	82	61	72		84	48	83	75	88	80	
07-13-2002	72	66	69	0.27	94	84	79	75	83	78	
07-14-2002	80	65	72		93	58	81	73	84	76	
07-15-2002	86	63	74	0.01	94	45	82	73	85	75	
07-16-2002	88	66	77		93	38	82	74	86	77	
07-17-2002	87	67	77	0.63	93	54	80	75	84	78	
07-18-2002	87	71	79		93	52	83	75	85	77	
07-19-2002	87	70	78		93	46	82	76	84	78	
07-20-2002	90	69	80		92	50	84	76	87	77	
07-21-2002	92	67	80		94	48	85	76	90	78	
07-22-2002	92	72	82		92	46	85	78	89	81	
07-23-2002	84	74	79		89	66	82	79	85	82	
07-24-2002	85	70	78		91	48	84	77	88	80	
07-25-2002	86	66	76		91	50	85	77	89	80	
07-26-2002	88	73	80		91	52	81	78	85	81	
07-27-2002	90	75	82		90	51	85	78	86	78	
07-28-2002	94	74	84		88	50	87	79	89	78	
07-29-2002	93	71	82	0.07	92	42	85	79	91	83	
07-30-2002 E	91	71	81	0.12	99	60	83	80			
07-31-2002 E	94	71	82		99	52	83	76			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
	88	68	78	1.10	90	49	84	76	88	80	
Deviation	+2	+4	+3	-3.90							

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"E" indicates data estimated by NWS.

II. A. AUGUST CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
08-01-2002	95	66	80		90	32	90	78	95	82	
08-02-2002	96	70	83	0.05	88	32	89	80	94	84	
08-03-2002	98	70	84		93	85	83	80	87	83	
08-04-2002	98	70	84		90	30	91	79	95	83	
08-05-2002	97	68	82		89	30	90	80	95	84	
08-06-2002	83	64	74		84	30	84	78	91	81	
08-07-2002	84	56	70		79	23	83	74	90	76	
08-08-2002 E	86	58	72								
08-09-2002	87	57	72		78	20	88	75	91	78	
08-10-2002	93	58	76		80	20	89	76	92	79	
08-11-2002	86	70	78	0.32	90	50	83	78	86	80	
08-12-2002	92	67	80		93	28	83	75	86	77	
08-13-2002	91	71	81		74	28	82	76	86	78	
08-14-2002	90	71	80	0.13	91	38	84	77	88	79	
08-15-2002	82	60	71		86	50	80	74	86	85	
08-16-2002	87	73	80	0.01	84	45	80	76	83	79	
08-17-2002	81	72	76	0.01	88	70	79	75	82	77	
08-18-2002	82	64	73	0.23	87	60	76	74	78	83	
08-19-2002	85	68	76		94	49	79	73	80	74	
08-20-2002	84	65	74		94	48	82	72	84	74	
08-21-2002	93	63	78		90	34	86	73	88	75	
08-22-2002	94	69	82		90	39	87	77	90	79	
08-23-2002	92	74	83		86	41	87	79	90	81	
08-24-2002	88	71	80		92	41	86	79	88	81	
08-25-2002	86	67	76		91	52	84	78	86	80	
08-26-2002	85	66	76	0.10	91	34	84	77	86	78	
08-27-2002	81	65	73	0.10	93	55	79	75	81	76	
08-28-2002	81	63	72		93	49	78	72	80	73	
08-29-2002	81	64	72		92	50	80	72	82	74	
08-30-2002	86	62	74		92	35	83	72	85	74	
08-31-2002	89	65	77		64	37	85	74	86	75	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
	88	66	77	0.95	88	41	84	76	87	79	
Deviation	+4	+4	+4	-2.98							

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"E" indicates data estimated by NWS.

III. HERBICIDES IN REPORT

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
A12854	MESOTRIONE + S-METOLACHLOR + ATRAAZINE	SYNGENTA
A12909	MESOTRIONE + S-METOLACHLOR	SYNGENTA
AATREX	ATRAZINE	SYNGENTA
ACCENT	NICOSULFURON	DUPONT
ACETOCHLOR 75	ACETOCHLOR + ATRAZINE	DOW AGROSCIENCE
ACETOCHLOR 150	ACETOCHLOR + ATRAZINE	DOW AGROSCIENCE
ACTIVATOR 90	SURFACTANT	LOVELAND
AIM	CARFENTRAZONE	FMC
AMPLIFY	CLORANSULAM	MONSANTO
AMS	AMMONIUM SULFATE	CLEAN CROP
ASSURE II	QUIZALOFOP	DUPONT
AUTHORITY	SULFENTRAZONE	FMC
AXIOM	THIAFLUAMIDE + METRIBUZIN	BAYER
BACKDRAFT	GLYPHOSATE + IMAZAQUIN	BASF
BALANCE PRO	ISOXAFLUTOLE	AVENTIS
BASIS	RIMSULFURON + THIFENSULFURON	DUPONT
BASIS GOLD	RIMSULFURON + NICOSULFURON + ATRAZINE	DUPONT
BEACON	PRIMISULFURON	SYNGENTA
BICEP LITE II MAGNUM	S-METOLACHLOR + ATRAZINE + BENOXACOR	SYNGENTA
BICEP II MAGNUM	S-METOLACHLOR + ATRAZINE + BENOXACOR	SYNGENTA
BOUNDRY	S-METOLACHLOR + METRIBUZIN	SYNGENTA
CALLISTO	MESOTRIONE	SYNGENTA
CANOPY XL	CHLORIMURON + SULFENTRAZONE (1:5 RATIO)	DUPONT
CELEBRITY PLUS	DIFLUFENZOPYR/SODIUM SALT OF 3,6 O-ANISIC ACID	
	DICAMBA (DIGLYCOLAMINE SALT) + NICOSULFURON	BASF
	DICAMBA (DIGLYCOLAMINE SALT)	BASF
CLARITY	CHLORIMURON	DUPONT
CLASSIC	CLOMAZONE	FMC
COMMAND	BENTAZON + ACIFLUORFEN + SETHOXYDIM	BASF
CONCLUDE XACT		BASF
CROP OIL CONCENTRATE (COC)		LOVELAND
DEFINE	FLUFENACET	BAYER
DEGREE	ACETOCHLOR	MONSANTO
DEGREE XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
DOMAIN	FLUFENACET + METRIBUZIN	BAYER
DISTINCT	DIFLUFENZOPYR/SODIUM SALT OF 3,6 O-ANISIC ACID	BASF
DUAL II MAGNUM	S-METOLACHLOR + BENOXACOR	SYNGENTA
EPIC	FLUFEMACET + ISOXAFLUTOLE	BAYER
EXCEED	PROSULFURON + PRIMISULFURON	SYNGENTA

III. HERBICIDES IN REPORT CONTINUED

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
EXTREME	GLYPHOSATE + IMAZETHAPYR	BASF
FIELDMASTER	ACETOCHLOR + ATRAZINE + GLYPHOSATE + SAFENER	MONSANTO
FIRSTRATE	CLORANSULAM	DOW AGROSCIENCE
FLEXSTAR HL	FOMESAFEN + SURFACTANT	SYNGENTA
FULTIME	ACETOCHLOR + ATRAZINE + SAFENER	SYNGENTA
FUSION	FLUAZIFOP-P-BUTYL + FENOXAPROP-P-ETHYL	SYNGENTA
GAUNTLET	CLORANSULAM + SULFENTRAZONE	FMC
GF 688		DOW AGROSCIENCE
GRAMOXONE MAX	PARAQUAT	SYNGENTA
GLYPHOMAX	GLYPHOSATE	DOW AGROSCIENCE
GLYPHOMAX PLUS	GLYPHOSATE	DOW AGROSCIENCE
GUARDSMAN MAX	DIMETHENAMID-P + ATRAZINE	BASF
HARNESS	ACETOCHLOR + SAFENER	MONSANTO
HARNESS XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
HARMONY GT	THIFENSULFURON	DUPONT
HORNET	FLUMETSULAM + CLOPYRALID	DOW AGROSCIENCE
LEADOFF	DIMETHENAMID + ATRAZINE	DUPONT
LIBERTY	GLUFOSINATE	AVENTIS
LIGHTNING	IMAZETHAPYR + IMAZAPYR	BASF
LIQUID N	28% NITROGEN	
MARKSMAN	DICAMBA + ATRAZINE (2.1 + 1.1)	BASF
MSO	METHYLATED SEED OIL	LOVELAND
NORTHSTAR	DICAMBA + PRIMISULFURON	SYNGENTA
OPTION	FORAMSULFURON	AVENTIS
OUTLOOK	DIMETHENAMID-P	BASF
PHOENIX	V-10086	VALENT
POAST	SETHOXYDIM	BASF
PRINCEP	SIMAZINE	SYNGENTA
PROWL	PENDIMETHALIN	BASF
PROWL H2O	PENDIMETHALIN	BASF
RAPTOR	IMAZAMOX	BASF
READYMASTER ATZ	ATRAZINE + GLYPHOSATE	MONSANTO
RESOURCE	FLUMICLORAC PENTYL	VALENT
ROUNDUP ULTRAMAX	GLYPHOSATE + ADJUVANT	MONSANTO
S 3153	FLUFENPYR-ETHYL	VALENT
SELECT	CLETHODIM	VALENT
SPARTAN	SULFENTRAZONE	FMC
SPIRIT	PRIMISULFURON + PROSULFURON	SYNGENTA
SPREADER HF	NON-IONIC SURFACTANT	LOVELAND
SQUADRON	PENDIMETHALIN + IMAZAQUIN	BASF

III. HERBICIDES IN REPORT CONTINUED

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
STEADFAST	NICOSULFURON + PROSULFURON	DUPONT
STORM	BENTAZON + ACIFLUORFEN	BASF
SYNCHRONY STS	CHLORIMURON + THIFENSULFURON	DUPONT
TOPNOTCH	ACETOCHLOR + SAFENER	SYNGENTA
TOUCHDOWN IQ	SULFOSATE	SYNGENTA
ULTRA BLAZER	BENTAZON	BASF
VALOR	FLUMIOXAZIN (V-53482)	VALENT
V-10097		VALENT
WEEDONE LV4	2,4-D ESTER	AVENTIS
YUKON	HALOSULFURON + DICAMBA	MONSANTO
40204		ROSEN' S
20204		ROSEN' S

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE

Trial ID: C2001
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	92	92	0	92	77	75
1	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	98	92	92	0	92	77	75
2	HARNESS XTRA	6	SL	2.7	LB A/A	PRE	0	99	93	92	0	93	78	78
3	DEGREE XTRA	4.04	CS	2.8	LB A/A	PRE	0	98	73	77	0	93	60	70
4	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	99	85	87	0	95	77	73
5	BICEP LITE II MAGNUM	6	SL	2.25	LB A/A	PRE	0	99	82	88	0	97	75	75
6	DUAL II MAGNUM	7.6	EC	1.88	LB A/A	PRE	0	99	97	92	0	97	90	85
6	CALLISTO	4	SC	0.188	LB A/A	PRE								
7	DUAL II MAGNUM	7.6	EC	1.88	LB A/A	PRE	0	99	91	90	0	96	87	83
7	CALLISTO	4	SC	0.156	LB A/A	PRE								
8	DUAL II MAGNUM	7.6	EC	1.88	LB A/A	PRE	0	99	88	90	0	80	83	83
8	CALLISTO	4	SC	0.140	LB A/A	PRE								
9	DUAL II MAGNUM	7.6	EC	1.88	LB A/A	PRE	0	99	92	90	0	95	83	82
9	CALLISTO	4	SC	0.125	LB A/A	PRE								
10	DUAL II MAGNUM	7.6	EC	1.88	LB A/A	PRE	0	99	97	96	0	93	89	87
10	CALLISTO	4	SC	0.188	LB A/A	PRE								
10	AATREX	4	F	0.75	LB A/A	PRE								
11	DUAL II MAGNUM	7.6	EC	1.56	LB A/A	PRE	0	100	97	95	0	81	92	87
11	CALLISTO	4	SC	0.156	LB A/A	PRE								
11	AATREX	4	F	0.62	LB A/A	PRE								
12	DUAL II MAGNUM	7.6	EC	1.4	LB A/A	PRE	0	99	96	90	0	96	87	80
12	CALLISTO	4	SC	0.14	LB A/A	PRE								
12	AATREX	4	F	0.56	LB A/A	PRE								
13	DUAL II MAGNUM	7.6	EC	1.25	LB A/A	PRE	0	98	93	90	0	93	87	80
13	CALLISTO	4	SC	0.125	LB A/A	PRE								
13	AATREX	4	F	0.45	LB A/A	PRE								

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CORN PREEMERGENCE

Trial ID: C2001
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	99	92	95	0	93	83	83
14 DEGREE XTRA	4.04	CS	2.1	LB A/A	PRE	0	99	92	95	0	93	83	83
14 BALANCE PRO	4	SC	0.047	LB A/A	PRE								
15 HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	0	98	95	90	0	96	87	77
15 BALANCE PRO	4	SC	0.047	LB A/A	PRE								
16 HARNESS XTRA	6	SL	2.02	LB A/A	PRE	0	98	97	92	0	97	85	77
16 BALANCE PRO	4	SC	0.047	LB A/A	PRE								
17 HARNESS XTRA	5.6	EC	3.36	LB A/A	+2W	0	99	99	95	0	97	92	88
17 COC		L	1	QT/A	+2W								
18 DEGREE XTRA	4.04	CS	2.8	LB A/A	+2W	0	100	98	92	0	96	95	88
18 COC		L	1	QT/A	+2W								
19 BICEP II MAGNUM	5.5	L	2.89	LB A/A	+2W	0	99	98	96	0	96	93	92
19 COC		L	1	QT/A	+2W								
20 DUAL II MAGNUM	7.6	EC	1.4	LB A/A	+2W	0	96	77	80	0	93	62	70
20 CALLISTO	4	SC	0.14	LB A/A	+2W								
20 COC		L	1	QT/A	+2W								
20 LIQUID N		L	2.5	QT/A	+2W								
21 DUAL II MAGNUM	7.6	EC	1.4	LB A/A	+2W	0	99	97	92	0	96	94	90
21 CALLISTO	4	SC	0.14	LB A/A	+2W								
21 AATREX	4	F	0.56	LB A/A	+2W								
21 COC		L	1	QT/A	+2W								
21 LIQUID N		L	2.5	QT/A	+2W								
22 CHECK UNTREATED						0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	2.9	7.2	7.9	0.0	13.5	11.2	8.2
Standard Deviation						0.0	1.8	4.4	4.8	0.0	8.2	6.8	5.0
CV						0.0	1.88	4.97	5.54	0.0	9.16	8.52	6.43

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE

Trial ID: C2001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-05-02
Country: USA Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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CORN PREEMERGENCE

Trial ID: C2001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.4 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-05-02	05-24-02
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	+2WK
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	60 F	68 F
% Relative Humidity:	69	63
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	64 F	67 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	20

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX +2WK
Stage Scale:		3LF
Height, Unit:		5 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA +2WK
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	XANST PRE	XANST +2WK
Stage Scale:		3LF
Density, Unit:		2-4 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS +2WK
Stage Scale:		3LF
Density, Unit:		2 IN

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CORN PREEMERGENCE

Trial ID: C2001
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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CORN PREEMERGENCE II
MULTI STATE

Trial ID: C2052

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	AMBTR				XANST				IPOHE				ZEAMX			
Crop Code	AMBTR				XANST				IPOHE				ZEAMX			
Rating Data Type	CONTROL				CONTROL				CONTROL				CONTROL			
Rating Unit	PERCENT				PERCENT				PERCENT				PERCENT			
Rating Date	06-16-02				06-16-02				06-16-02				07-01-02			
Trt-Eval Interval	30 DAY				30 DAY				30 DAY				45 DAY			
ARM Action Codes	P				P				P				P			
# Subsamples, Dec.	0				0				0				0			

Trt Treatment No. Name	Form Conc	Form Rate	Rate Unit	Grow Stg	ZEAMX INJURY PERCENT	AMBTR CONTROL PERCENT	XANST CONTROL PERCENT	IPOHE CONTROL PERCENT	ZEAMX INJURY PERCENT	AMBTR CONTROL PERCENT	XANST CONTROL PERCENT	IPOHE CONTROL PERCENT	ZEAMX CONTROL PERCENT	AMBTR CONTROL PERCENT	XANST CONTROL PERCENT	IPOHE CONTROL PERCENT
1 CALLISTO	4 SE	0 LB	A/A PRE	0	0	0	0	0	0	0	0	0	0	0	0	0
1 ATRAZINE	4 F	0 LB	A/A PRE	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CALLISTO	4 SE	0 LB	A/A PRE	0	0	34	34	16	0	30	30	18	0	28	28	13
2 ATRAZINE	4 F	0.25 LB	A/A PRE	0	0	34	34	16	0	30	30	18	0	28	28	13
3 CALLISTO	4 SE	0 LB	A/A PRE	0	0	49	49	18	0	50	50	23	0	40	43	18
3 ATRAZINE	4 F	0.5 LB	A/A PRE	0	0	49	49	18	0	50	50	23	0	40	43	18
4 CALLISTO	4 SE	0 LB	A/A PRE	0	0	64	64	40	0	61	61	40	0	55	55	33
4 ATRAZINE	4 F	1 LB	A/A PRE	0	0	64	64	40	0	61	61	40	0	55	55	33
5 CALLISTO	4 SE	0 LB	A/A PRE	0	0	84	84	66	0	83	80	63	0	78	76	55
5 ATRAZINE	4 F	1.5 LB	A/A PRE	0	0	84	84	66	0	83	80	63	0	78	76	55
6 CALLISTO	4 SE	0.047 LB	A/A PRE	0	0	61	59	35	0	69	69	45	0	65	69	43
6 ATRAZINE	4 F	0 LB	A/A PRE	0	0	61	59	35	0	69	69	45	0	65	69	43
7 CALLISTO	4 SE	0.047 LB	A/A PRE	0	0	76	76	59	0	76	76	60	0	70	70	55
7 ATRAZINE	4 F	0.25 LB	A/A PRE	0	0	76	76	59	0	76	76	60	0	70	70	55
8 CALLISTO	4 SE	0.047 LB	A/A PRE	0	0	70	70	50	0	68	70	50	0	65	68	46
8 ATRAZINE	4 F	0.5 LB	A/A PRE	0	0	70	70	50	0	68	70	50	0	65	68	46
9 CALLISTO	4 SE	0.047 LB	A/A PRE	0	0	84	83	63	0	79	79	70	0	75	76	64
9 ATRAZINE	4 F	1 LB	A/A PRE	0	0	84	83	63	0	79	79	70	0	75	76	64
10 CALLISTO	4 SE	0.047 LB	A/A PRE	0	0	80	83	61	0	75	79	64	0	70	73	60
10 ATRAZINE	4 F	1.5 LB	A/A PRE	0	0	80	83	61	0	75	79	64	0	70	73	60
11 CALLISTO	4 SE	0.094 LB	A/A PRE	0	0	60	59	45	0	63	63	50	0	60	60	48
11 ATRAZINE	4 F	0 LB	A/A PRE	0	0	60	59	45	0	63	63	50	0	60	60	48
12 CALLISTO	4 SE	0.094 LB	A/A PRE	0	0	79	79	49	0	78	78	51	0	76	78	50
12 ATRAZINE	4 F	0.25 LB	A/A PRE	0	0	79	79	49	0	78	78	51	0	76	78	50
13 CALLISTO	4 SE	0.094 LB	A/A PRE	0	0	89	89	75	0	89	89	76	0	86	86	79
13 ATRAZINE	4 F	0.5 LB	A/A PRE	0	0	89	89	75	0	89	89	76	0	86	86	79

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

CORN PREEMERGENCE II
MULTI STATE

Trial ID: C2052
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	AMBTR				XANST				IPOHE				ZEAMX			
Crop Code	ZEAMX				ZEAMX				ZEAMX				ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date	06-16-02	06-16-02	06-16-02	06-16-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	07-01-02	
Trt-Eval Interval	30 DAY	30 DAY	30 DAY	30 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	45 DAY	
ARM Action Codes	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Trt No.	Treatment Name	Form	Form Conc	Form Rate	Rate Unit	Grow Stg	AMBTR	XANST	IPOHE	ZEAMX	AMBTR	XANST	IPOHE	ZEAMX	AMBTR	XANST	IPOHE	
14	CALLISTO	4 SE		0.094 LB	A/A PRE		0	91	89	75	0	93	91	80	0	89	89	75
14	ATRAZINE	4 F		1 LB	A/A PRE													
15	CALLISTO	4 SE		0.094 LB	A/A PRE		0	94	91	81	0	94	91	83	0	94	91	80
15	ATRAZINE	4 F		1.5 LB	A/A PRE													
16	CALLISTO	4 SE		0.141 LB	A/A PRE		0	93	93	79	0	90	90	78	0	89	89	74
16	ATRAZINE	4 F		0 LB	A/A PRE													
17	CALLISTO	4 SE		0.141 LB	A/A PRE		0	88	88	70	0	88	88	73	0	86	86	68
17	ATRAZINE	4 F		0.25 LB	A/A PRE													
18	CALLISTO	4 SE		0.141 LB	A/A PRE		1	91	91	81	0	88	88	80	0	86	88	80
18	ATRAZINE	4 F		0.5 LB	A/A PRE													
19	CALLISTO	4 SE		0.141 LB	A/A PRE		0	91	91	70	0	89	89	71	0	86	88	69
19	ATRAZINE	4 F		1 LB	A/A PRE													
20	CALLISTO	4 SE		0.141 LB	A/A PRE		0	95	95	85	0	91	91	84	0	89	90	79
20	ATRAZINE	4 F		1.5 LB	A/A PRE													
21	CALLISTO	4 SE		0.188 LB	A/A PRE		0	90	90	79	0	93	93	86	0	90	90	84
21	ATRAZINE	4 F		0 LB	A/A PRE													
22	CALLISTO	4 SE		0.188 LB	A/A PRE		0	90	90	73	0	86	86	74	0	85	85	71
22	ATRAZINE	4 F		0.25 LB	A/A PRE													
23	CALLISTO	4 SE		0.188 LB	A/A PRE		0	90	90	76	0	88	88	78	0	88	88	75
23	ATRAZINE	4 F		0.5 LB	A/A PRE													
24	CALLISTO	4 SE		0.188 LB	A/A PRE		0	95	95	79	0	93	93	85	0	93	93	85
24	ATRAZINE	4 F		1 LB	A/A PRE													
25	CALLISTO	4 SE		0.188 LB	A/A PRE		0	94	94	84	0	93	93	84	0	93	93	81
25	ATRAZINE	4 F		1.5 LB	A/A PRE													
26	CHECK WEED FREE						0	100	100	100	0	96	96	90	0	96	96	90

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

CORN PREEMERGENCE II
MULTI STATE

Trial ID: C2052
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	AMBTR				XANST				IPOHE			
Crop Code	ZEAMX				ZEAMX				ZEAMX			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	06-16-02	06-16-02	06-16-02	06-16-02	07-01-02	07-01-02	07-01-02	07-01-02	07-17-02	07-17-02	07-17-02	07-17-02
Trt-Eval Interval	30 DAY	30 DAY	30 DAY	30 DAY	45 DAY	45 DAY	45 DAY	45 DAY	60 DAY	60 DAY	60 DAY	60 DAY
ARM Action Codes	P	P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg											
LSD (P=.05)			0.7			17.4	17.1	18.9	0.0	18.1	18.1	20.2	0.0	18.7	18.6	19.7
Standard Deviation			0.5			12.3	12.1	13.4	0.0	12.8	12.8	14.3	0.0	13.2	13.2	13.9
CV			859.97			15.78	15.56	21.59	0.0	16.63	16.65	22.51	0.0	17.83	17.61	23.03

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

CORN PREEMERGENCE II
MULTI STATE

Trial ID: C2052

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Affiliation: UNIVERSITY OF KENTUCKY

Postal Code: 40546

Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON

Trial Status:

COMPLETE

State/Prov.: KENTUCKY

Postal Code: 40511

Initiation Date:

04-22-02

Country: USA

Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
2.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD

Variety: GARST 8362IT

Planting Date: 04-24-02

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 60 F

Soil Moisture: NORMAL

Emergence Date: 05-05-02

SITE AND DESIGN

Plot Width, Unit: 10 FT

Plot Length, Unit: 40 FT

Reps: 4

Site Type: FIELD

Tillage Type: CONVENTIONAL-TILL

Study Design: FACTORIAL

SOIL DESCRIPTION

% Sand: 6

% OM: 2.6

Texture: SILT LOAM

% Silt: 62

pH: 6.4

Soil Name: MAURY

% Clay: 32

CEC: 18

Fert. Level: EXCELLENT

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

CORN PREEMERGENCE II
MULTI STATE

Trial ID: C2052

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A

Application Date: 05-16-02
Time of Day: 2:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 75 F
& Relative Humidity: 67
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 60 F
Soil Moisture: ADEQUATE
& Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: AMBTR PRE
Weed 2 Code, Stage: XANST PRE
Weed 3 Code, Stage: IPOHE PRE

CORN PREEMERGENCE II
MULTI STATE

Trial ID: C2052

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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

CORN PREEMERGENCE III

Trial ID: C2050
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	88	92	87	90	80	77
1 CHECK UNTREATED						0	0	0	0	0	0	0
2 BALANCE PRO	4 SC		0.047 LB	A/A PRE		0	88	92	87	90	80	77
3 CALLISTO	4 SC		0.094 LB	A/A PRE		0	77	75	70	53	43	47
4 BALANCE PRO	4 SC		0.072 LB	A/A PRE		0	90	90	88	88	80	80
5 CALLISTO	4 SC		0.141 LB	A/A PRE		0	78	80	72	75	50	50
6 BALANCE PRO	4 SC		0.094 LB	A/A PRE		0	93	92	93	92	82	70
7 CALLISTO	4 SC		0.188 LB	A/A PRE		0	77	83	75	83	47	50
8 BALANCE PRO	4 SC		0.072 LB	A/A PRE		0	97	97	97	97	92	92
8 DEFINE	60 DF		0.45 LB	A/A PRE								
9 CALLISTO	4 SC		0.188 LB	A/A PRE		0	93	92	93	88	92	90
9 DUAL II MAGNUM	7.6 EC		1.27 LB	A/A PRE								
10 BALANCE PRO	4 SC		0.047 LB	A/A PRE		0	97	97	97	97	93	88
10 DEFINE	60 DF		0.6 LB	A/A PRE								
10 AATREX	4 F		1 LB	A/A PRE								
11 CALLISTO	4 SC		0.094 LB	A/A PRE		0	95	93	95	93	88	77
11 DUAL II MAGNUM	7.6 EC		1.27 LB	A/A PRE								
12 BALANCE PRO	4 SC		0.07 LB	A/A PRE		0	97	97	97	97	92	88
12 AATREX	4 F		1 LB	A/A PRE								
LSD (P=.05)						0.0	5.5	5.4	8.6	7.9	15.5	21.7
Standard Deviation						0.0	3.2	3.2	5.1	4.7	9.1	12.8
CV						0.0	3.97	3.91	6.31	5.89	13.09	19.01

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

CORN PREEMERGENCE III

Trial ID: C2050 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON **Trial Status:** COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 **Initiation Date:** 04-22-02
Country: USA
Unit: FT **Angle y-axis to North °:** 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	DIGSA CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362IT
Planting Date: 04-24-02 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 60 F **Soil Moisture:** NORMAL **Emergence Date:** 05-04-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 64	pH: 6.5	Soil Name: MAURY
% Clay: 30	CEC: 18	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 **Unit:** MI

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

CORN PREEMERGENCE III

Trial ID: C2050 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION DESCRIPTION

A

Application Date: 04-24-02
Time of Day: 10:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 56 F
& Relative Humidity: 67
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 60 F
Soil Moisture: ADEQUATE
& Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA PRE
Weed 2 Code, Stage: DIGSA PRE

APPLICATION EQUIPMENT

A

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

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

CORN PREEMERGENCE IV

Trial ID: C2051
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	SETFA	DIGSA	SETFA	DIGSA
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA 4 WEEK	DIGSA 4 WEEK	SETFA 8 WEEK	DIGSA 8 WEEK
1	CHECK UNTREATED						0	0	0	0
2	DEFINE	60	DF	0.675	LB A/A	PRE	95	95	93	93
3	HARNESS	7	EC	1.97	LB A/A	PRE	93	95	90	87
4	TOPNOTCH	3.2	CS	4	LB A/A	PRE	100	100	98	98
5	DUAL II MAGNUM	7.6	EC	1.59	LB A/A	PRE	97	97	95	95
6	OUTLOOK	6	EC	0.847	LB A/A	PRE	98	98	92	92
7	DEFINE	60	DF	0.339	LB A/A	PRE	98	98	97	97
8	HARNESS	7	EC	0.985	LB A/A	PRE	98	98	92	92
9	OUTLOOK	6	EC	0.424	LB A/A	PRE	97	97	87	87
10	DUAL II MAGNUM	7.6	EC	0.795	LB A/A	PRE	97	97	92	92
	LSD (P=.05)						5.0	4.9	5.4	6.8
	Standard Deviation						2.9	2.8	3.2	4.0
	CV						3.36	3.24	3.8	4.76

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

CORN PREEMERGENCE IV

Trial ID: C2051 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-22-02
Country: USA
Unit: FT Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	DIGSA CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 MI
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 64	pH: 6.5	Soil Name: MAURY
% Clay: 30	CEC: 18	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

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

CORN PREEMERGENCE IV

Trial ID: C2051
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION DESCRIPTION

A

Application Date: 04-24-02
Time of Day: 10:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 56 F
% Relative Humidity: 67
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 60 F
Soil Moisture: ADEQUATE
% Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA PRE
Weed 2 Code, Stage: DIGSA PRE

APPLICATION EQUIPMENT

A

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C2002

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Rate	Rate Unit	Grow Stg	SETFA	XANST	IPOSS	SETFA	XANST	IPOSS		
1	CHECK UNTREATED					0	0	0	0	0	0		
2	A12854	3.9 SE	2.46 LB	A/A PRE		0	95	90	92	0	95	83	83
3	A12854	3.9 SE	2.95 LB	A/A PRE		0	95	90	92	0	95	85	85
4	A12909	3.7 SE	1.835 LB	A/A PRE		0	96	83	85	0	95	80	80
5	A12909	3.7 SE	2.20 LB	A/A PRE		0	96	80	85	0	95	75	82
6	BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE		0	96	82	87	0	96	75	77
7	BALANCE PRO	4 SC	0.094 LB	A/A PRE		0	97	97	93	0	92	89	83
7	AATREX	4 F	1 LB	A/A PRE									
8	HARNESX XTRA	6 SL	3 LB	A/A PRE		0	97	90	90	0	95	77	77
9	TOPNOTCH	3.2 CS	2 LB	A/A PRE		0	93	89	93	0	93	83	82
9	HORNET	68.5 WG	0.128 LB	A/A PRE									
10	OUTLOOK	6 EC	0.84 LB	A/A PRE		0	98	98	98	0	96	95	92
10	MARKSMAN	3.2 F	1.2 LB	A/A 2LC									
10	COC	L	1 %	V/V 2LC									
11	A12854	3.9 SE	2.46 LB	A/A 2LC		0	99	98	95	0	98	95	90
11	ACCENT	75 WG	0.016 LB	A/A 2LC									
12	A12854	3.9 SE	2.95 LB	A/A 2LC		0	99	98	96	0	98	96	93
12	ACCENT	75 WG	0.016 LB	A/A 2LC									
13	A12909	3.7 SE	1.835 LB	A/A 2LC		0	96	88	88	0	96	88	83
13	ACCENT	75 WG	0.016 LB	A/A 2LC									
14	A12909	3.7 SE	2.20 LB	A/A 2LC		0	95	90	90	0	95	92	87
14	ACCENT	75 WG	0.016 LB	A/A 2LC									
15	A12854	3.9 SE	2.95 LB	A/A 2LC		0	98	99	98	0	98	94	93
16	A12909	3.7 SE	2.20 LB	A/A 2LC		0	98	96	94	0	97	97	93

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

CORN PREEMERGENE & POSTEMERGENE

Trial ID: C2002
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	ZEAMX	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
17	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	95	92	92	0	95	96	92
17	CALLISTO	4	SC	0.094	LB A/A	12C								
17	AATREX	4	F	0.5	LB A/A	12C								
17	CALLISTO	4	SC	1	QT/A	12C								
17	LIQUID N		L	2	QT/A	12C								
18	FULTIME	4	CS	3.3	LB A/A	PRE	0	96	96	95	0	96	98	95
18	HORNET	68.5	WG	0.128	LB A/A	MP								
18	CALLISTO	4	SC	0.031	LB A/A	MP								
18	AATREX	4	F	0.25	LB A/A	MP								
18	COC		L	1	QT/A	MP								
18	LIQUID N		L	2.5	QT/A	MP								
19	ACETOCHLOR 75	5.5	SE	2.75	LB A/A	PRE	0	97	88	90	0	95	82	82
20	ACETOCHLOR 150	5.13	SE	3.47	LB A/A	PRE	0	96	90	88	0	96	82	82
	LSD (P=.05)						0.0	2.6	6.2	5.0	0.0	2.7	5.1	6.2
	Standard Deviation						0.0	1.6	3.8	3.0	0.0	1.6	3.1	3.7
	CV						0.0	1.71	4.36	3.48	0.0	1.78	3.71	4.58

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C2002 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-05-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C2002

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-06-02	05-28-02	06-04-02
Time of Day:	9:00	10:00	9:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	2LC	12C
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	63 F	72 F	82 F
% Relative Humidity:	75	69	66
Wind Velocity, Unit:	4 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	64 F	73 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 2LC	ZEAMX 12C
Stage Scale:		2LF	12"
Height, Unit:		4 IN	12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA 2LC	SETFA 12C
Stage Scale:		2LF	4LF
Density, Unit:		2 IN	4 IN
Weed 2 Code, Stage:	XANST PRE	XANST 2LC	XANST 12C
Stage Scale:		4LF	5LF
Density, Unit:		4 IN	5 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS 2LC	IPOSS 12C
Stage Scale:		3LF	5LF
Density, Unit:		2 IN	4 IN

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C2002 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE

Trial ID: C2003
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg								
1	BICEP II MAGNUM	5.5 L		2.88 LB	A/A PRE		0	96	83	85	0	93	75	78
2	BICEP II MAGNUM	5.5 L		1.44 LB	A/A PRE		0	99	93	93	0	95	87	87
2	BASIS GOLD	89.5 DF		0.78 LB	A/A 12C									
2	COC	L		1 QT/A	12C									
2	AMS	L		2 %	V/V 12C									
3	BICEP II MAGNUM	5.5 L		1.44 LB	A/A PRE		0	99	99	95	0	96	95	92
3	ACCENT	75 WG		0.031 LB	A/A 12C									
3	EXCEED	57 DF		0.009 LB	A/A 12C									
3	COC	L		1 QT/A	12C									
3	AMS	L		2 %	V/V 12C									
4	AATREX	4 F		1 LB	A/A PRE		0	98	95	93	0	95	88	87
4	STEADFAST	75 WG		0.035 LB	A/A 12C									
4	AATREX	4 F		1 LB	A/A 12C									
4	COC	L		1 QT/A	12C									
4	AMS	L		2 %	V/V 12C									
5	AATREX	4 F		1 LB	A/A PRE		0	97	99	95	0	95	96	92
5	STEADFAST	75 WG		0.035 LB	A/A 12C									
5	CALLISTO	4 SC		0.063 LB	A/A 12C									
5	AATREX	4 F		1 LB	A/A 12C									
5	COC	L		1 QT/A	12C									
5	AMS	L		2 %	V/V 12C									
6	BASIS	75 DF		0.035 LB	A/A PRE		0	85	83	88	0	77	78	80
6	AATREX	4 F		1 LB	A/A PRE									
6	PRINCEP	4 F		1 LB	A/A PRE									
7	BASIS	75 DF		0.023 LB	A/A PRE		0	82	88	92	0	72	85	90
7	CALLISTO	4 SC		0.188 LB	A/A PRE									
8	BASIS	75 DF		0.028 LB	A/A PRE		0	97	98	96	0	93	95	90
8	AATREX	4 F		1 LB	A/A PRE									
8	BASIS GOLD	89.5 DF		0.78 LB	A/A 12C									
8	DISTINCT	70 WG		0.088 LB	A/A 12C									
8	COC	L		1 QT/A	12C									

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

CORN POSTEMERGENCE

Trial ID: C2003
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	92	82	87	0	82	68	75
9	BASIS	75	DF	0.015	LB A/A	V2	0	92	82	87	0	82	68	75
9	AATREX	4	F	0.5	LB A/A	V2								
9	COC		L	1	QT/A	V2								
9	AMS		L	2	% V/V	V2								
10	BASIS	75	DF	0.015	LB A/A	V2	0	87	95	93	0	72	90	85
10	CALLISTO	4	SC	0.031	LB A/A	V2								
10	AATREX	4	F	0.5	LB A/A	V2								
10	COC		L	1	QT/A	V2								
10	AMS		L	2	% V/V	V2								
11	BASIS	75	DF	0.015	LB A/A	12C	0	90	99	95	0	78	95	90
11	CALLISTO	4	SC	0.063	LB A/A	12C								
11	AATREX	4	F	0.25	LB A/A	12C								
11	COC		L	1	QT/A	12C								
11	AMS		L	2	% V/V	12C								
12	STEADFAST	75	WG	0.035	LB A/A	12C	0	93	98	94	0	92	90	88
12	CALLISTO	4	SC	0.031	LB A/A	12C								
12	AATREX	4	F	0.25	LB A/A	12C								
12	COC		L	1	QT/A	12C								
12	AMS		L	2	% V/V	12C								
13	STEADFAST	75	WG	0.035	LB A/A	12C	0	95	99	95	0	93	92	87
13	CALLISTO	4	SC	0.047	LB A/A	12C								
13	AATREX	4	F	0.25	LB A/A	12C								
13	COC		L	1	QT/A	12C								
13	AMS		L	2	% V/V	12C								
14	STEADFAST	75	WG	0.035	LB A/A	12C	0	94	98	94	0	92	95	90
14	CALLISTO	4	SC	0.063	LB A/A	12C								
14	AATREX	4	F	0.25	LB A/A	12C								
14	COC		L	1	QT/A	12C								
14	AMS		L	2	% V/V	12C								
15	STEADFAST	75	WG	0.035	LB A/A	12C	0	94	97	96	0	90	95	90
15	DISTINCT	70	WG	0.088	LB A/A	12C								
15	COC		L	1	QT/A	12C								
15	AMS		L	2	% V/V	12C								

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CORN POSTEMERGENCE

Trial ID: C2003
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg								
16 STEADFAST	75	WG	0.035	LB A/A	LP	0	99	99	95	0	88	95	92
16 CLARITY	4	E	0.125	LB A/A	LP								
16 COC		L	1	QT/A	LP								
16 AMS		L	2	% V/V	LP								
17 STEADFAST	75	WG	0.035	LB A/A	MP	0	93	83	85	0	90	67	80
17 COC		L	1	QT/A	MP								
17 AMS		L	2	% V/V	MP								
18 STEADFAST	75	WG	0.035	LB A/A	MP	0	97	87	90	0	93	73	83
18 AATREX	4	F	0.75	LB A/A	MP								
18 COC		L	1	QT/A	MP								
18 AMS		L	2	% V/V	MP								
19 STEADFAST	75	WG	0.035	LB A/A	MP	0	98	88	90	0	87	72	82
19 CALLISTO	4	SC	0.047	LB A/A	MP								
19 AATREX	4	F	0.75	LB A/A	MP								
19 COC		L	1	QT/A	MP								
19 AMS		L	2	% V/V	MP								
20 OPTION	35	WG	0.066	LB A/A	MP	0	97	93	92	0	92	85	85
20 MSO		L	1	QT/A	MP								
20 AMS		L	2	% V/V	MP								
21 OPTION	35	WG	0.066	LB A/A	MP	0	99	98	93	0	92	95	92
21 AATREX	4	F	1	LB A/A	MP								
21 MSO		L	1	QT/A	MP								
21 AMS		L	2	% V/V	MP								
22 BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	99	99	97	0	97	93	93
22 STEADFAST	75	WG	0.035	LB A/A	MP								
22 CALLISTO	4	SC	0.047	LB A/A	MP								
22 AATREX	4	F	0.75	LB A/A	MP								
22 COC		L	1	QT/A	MP								
22 AMS		L	2	% V/V	MP								

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CORN POSTEMERGENCE

Trial ID: C2003 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg								
23	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	99	98	93	0	92	87	87
23	OPTION	35	WG	0.066	LB A/A	MP								
23	MSO		L	1	QT/A	MP								
23	AMS		L	2	% V/V	MP								
24	PRINCEP	4	F	1	LB A/A	PRE	0	95	90	88	0	83	78	80
24	AIM	2	EC	0.008	LB A/A	MP								
24	AATREX	4	F	0.56	LB A/A	MP								
24	CLARITY	4	E	0.125	LB A/A	MP								
24	ACTIVATOR 90			0.25	% V/V	MP								
25	PRINCEP	4	F	1	LB A/A	PRE	0	94	99	93	0	82	95	88
25	AIM	2	EC	0.008	LB A/A	MP								
25	HORNET	68.5	WG	0.147	LB A/A	MP								
25	ACTIVATOR 90			0.25	% V/V	MP								
26	PRINCEP	4	F	1	LB A/A	PRE	0	98	99	98	0	93	95	92
26	AIM	2	EC	0.005	LB A/A	MP								
26	AATREX	4	F	0.85	LB A/A	MP								
26	CLARITY	4	E	0.125	LB A/A	MP								
26	ACTIVATOR 90			0.25	% V/V	MP								
27	PRINCEP	4	F	1	LB A/A	PRE	0	95	97	95	0	88	95	90
27	AIM	2	EC	0.008	LB A/A	MP								
27	AATREX	4	F	0.28	LB A/A	MP								
27	HORNET	68.5	WG	0.188	LB A/A	MP								
27	ACTIVATOR 90			0.25	% V/V	MP								
28	PRINCEP	4	F	1	LB A/A	PRE	0	93	95	92	0	88	88	87
28	AIM	2	EC	0.008	LB A/A	MP								
28	AATREX	4	F	0.85	LB A/A	MP								
28	COC		L	1	QT/A	MP								
29	PRINCEP	4	F	1	LB A/A	PRE	0	95	93	92	0	92	88	88
29	AIM	2	EC	0.008	LB A/A	MP								
29	AATREX	4	F	1.2	LB A/A	MP								
29	COC		L	1	QT/A	MP								

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE

Trial ID: C2003
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS	
30 PRINCEP	4 F		1 LB	A/A	PRE	0	98	93	93	0	93	90	90
30 AIM	2 EC		0.008 LB	A/A	MP								
30 STEADFAST	75 WG		0.035 LB	A/A	MP								
30 AATREX	4 F		1.2 LB	A/A	MP								
30 COC	L		1 QT/A		MP								
30 AMS	L		2 %	V/V	MP								
LSD (P=.05)			0.0			0.0	6.0	4.5	6.0	0.0	9.8	5.7	6.2
Standard Deviation			0.0			0.0	3.7	2.8	3.7	0.0	6.0	3.5	3.8
CV			0.0			0.0	3.87	2.94	3.94	0.0	6.76	4.0	4.4

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

CORN POSTEMERGENCE

Trial ID: C2003 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-05-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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

CORN POSTEMERGENCE

Trial ID: C2003
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D	E
Application Date:	05-08-02	05-31-02	05-31-02	06-03-02	06-03-02
Time of Day:	10:00	11:00	2:00	10:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	V2	MP	12C	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	74 F	74 F	78 F	78 F
% Relative Humidity:	77	72	72	69	69
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N	N
Soil Temp., Unit:	68 F	74 F	74 F	77 F	77 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	10	10	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX V2	ZEAMX MP	ZEAMX 12C	ZEAMX LP
Stage Scale:		V2	V2	12C	12C
Height, Unit:		7 IN	7 IN	12 IN	12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E
Weed 1 Code, Stage:	SETFA PRE	SETFA V2	SETFA MP	SETFA 12C	SETFA LP
Stage Scale:		3LF	3LF	5LF	5LF
Density, Unit:		2-4 IN	2-4 IN	5 IN	5 IN
Weed 2 Code, Stage:	XANST PRE	XANST V2	XANST MP	XANST 12C	XANST LP
Stage Scale:		6LF	6LF	8LF	8LF
Density, Unit:		3 IN	3 IN	6 IN	6 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS V2	IPOSS MP	IPOSS 12C	IPOSS LP
Stage Scale:		2LF	2LF	6LF	6LF
Density, Unit:		1 IN	1 IN	3 IN	3 IN

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE

Trial ID: C2003
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

	A		B		C		D		E	
Appl. Equipment:	ATV		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:	5	FT	5	FT	5	FT	5	FT	5	FT
Boom Height, Unit:	19	IN	20	IN	20	IN	20	IN	20	IN
Ground Speed, Unit:	4	MPH	3.5	MPH	3.5	MPH	3.5	MPH	3.5	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	

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CORN POSTEMERGENCE II

Trial ID: C2014
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow. Stg	0	0	0	0	0	0
1	CHECK UNTREATED						0	0	0	0	0	0
2	DUAL II MAGNUM	7.6	EC	1.59	LB A/A	PRE	0	100	95	95	0	100
	2 CALLISTO	4	SC	0.094	LB A/A	12"C						
	2 COC		L	1	% V/V	12"C						
	2 LIQUID N		L	2.5	% V/V	12"C						
3	DUAL II MAGNUM	7.6	EC	1.59	LB A/A	PRE	0	100	99	99	0	100
	3 CALLISTO	4	SC	0.094	LB A/A	12"C						
	3 AATREX	4	F	0.25	LB A/A	12"C						
	3 COC		L	1	% V/V	12"C						
	3 LIQUID N		L	2.5	% V/V	12"C						
4	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	99	99	0	100
	4 CALLISTO	4	SC	0.094	LB A/A	12"C						
	4 COC		L	1	% V/V	12"C						
	4 LIQUID N		L	2.5	% V/V	12"C						
5	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	100	100	0	100
	5 CALLISTO	4	SC	0.094	LB A/A	12"C						
	5 AATREX	4	F	0.25	LB A/A	12"C						
	5 COC		L	1	% V/V	12"C						
	5 LIQUID N		L	2.5	% V/V	12"C						
6	OUTLOOK	6	EC	0.094	LB A/A	PRE	0	100	96	96	0	100
	6 MARKSMAN	3.2	F	1.4	LB A/A	12"C						
7	TOPNOTCH	3.2	CS	2	LB A/A	PRE	0	100	95	95	0	100
	7 HORNET	68.5	WG	0.128	LB A/A	12"C						
	7 ACTIVATOR 90			0.25	% V/V	12"C						
	7 AMS	100	SG	1	% W/V	12"C						
8	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	98	98	0	100
	8 SPIRIT	57	WG	0.036	LB A/A	12"C						
	8 COC		L	1	QT/A	12"C						
	8 LIQUID N		L	1	QT/A	12"C						

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

CORN POSTEMERGENCE II

Trial ID: C2014
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	XANST	ZEAMX	SETFA	AMBTR	XANST	
9 BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	99	99	0	100	99	99
9 EXCEED	57	DF	0.036	LB A/A	12°C								
9 COC		L	1	QT/A	12°C								
9 LIQUID N		L	1	QT/A	12°C								
10 DUAL II MAGNUM	7.6	EC	1.59	LB A/A	PRE	0	99	98	98	0	99	98	98
10 CALLISTO	4	SC	0.188	LB A/A	PRE								
10 AATREX	4	F	1	LB A/A	PRE								
LSD (P=.05)			0.0			0.0	0.6	2.0	2.0	0.0	0.6	2.0	2.0
Standard Deviation			0.0			0.0	0.4	1.1	1.1	0.0	0.4	1.1	1.1
CV			0.0			0.0	0.41	1.3	1.3	0.0	0.41	1.3	1.3

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

CORN POSTEMERGENCE II

Trial ID: C2014 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-29-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 60	pH: 6.4	Soil Name: MAURY
% Clay: 34	CEC: 17	Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE II

Trial ID: C2014 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-08-02	06-04-02
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	12C
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	70 F	82 F
% Relative Humidity:	77	66
Wind Velocity, Unit:	4 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

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

CORN POSTEMERGENCE II

Trial ID: C2014
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE III

Trial ID: C2015
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	0	0	0	0	0	0	0	0	0		
1 CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0		
2 OPTION	35 WG		0.066 LB	A/A	MP	0	98	90	90	0	87	83	83	0	87	83	83
2 MSO	L		0.75 QT/A		MP												
2 LIQUID N	L		2 QT/A		MP												
3 OPTION	35 WG		0.066 LB	A/A	MP	0	98	95	95	0	88	87	87	0	88	87	87
3 DISTINCT	70 WG		0.044 LB	A/A	MP												
3 MSO	L		0.75 QT/A		MP												
3 LIQUID N	L		2 QT/A		MP												
4 OPTION	35 WG		0.066 LB	A/A	MP	0	98	96	96	0	90	83	85	0	90	83	85
4 DISTINCT	70 WG		0.088 LB	A/A	MP												
4 MSO	L		0.75 QT/A		MP												
4 LIQUID N	L		2 QT/A		MP												
5 OPTION	35 WG		0.066 LB	A/A	MP	2	97	96	96	0	92	87	87	0	92	87	87
5 DISTINCT	70 WG		0.176 LB	A/A	MP												
5 MSO	L		0.75 QT/A		MP												
5 LIQUID N	L		2 QT/A		MP												
6 DISTINCT	70 WG		0.176 LB	A/A	MP	0	83	97	97	0	67	90	90	0	67	90	90
6 MSO	L		0.75 QT/A		MP												
6 LIQUID N	L		2 QT/A		MP												
7 OPTION	35 WG		0.066 LB	A/A	MP	0	95	94	94	3	86	90	88	3	86	90	88
7 CALLISTO	4 SC		0.047 LB	A/A	MP												
7 MSO	L		0.75 QT/A		MP												
7 LIQUID N	L		2 QT/A		MP												
8 OPTION	35 WG		0.066 LB	A/A	MP	0	95	95	95	0	83	88	88	0	83	88	88
8 CALLISTO	4 SC		0.063 LB	A/A	MP												
8 MSO	L		0.75 QT/A		MP												
8 LIQUID N	L		2 QT/A		MP												
9 OPTION	35 WG		0.066 LB	A/A	MP	0	98	97	97	0	85	88	88	0	85	88	88
9 CALLISTO	4 SC		0.094 LB	A/A	MP												
9 MSO	L		0.75 QT/A		MP												
9 LIQUID N	L		2 QT/A		MP												

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

CORN POSTEMERGENCE III

Trial ID: C2015
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	0	50	98	98	0	47	95	95	0	47	95	95
10 CALLISTO	4	SC	0.094	LB A/A	MP	0	50	98	98	0	47	95	95	0	47	95	95
10 MSO	L		0.75	QT/A	MP												
10 LIQUID N	L		2	QT/A	MP												
11 OPTION	35	WG	0.066	LB A/A	MP	0	98	97	97	0	87	92	90	0	87	92	90
11 NORTHSTAR	47.4	WG	0.089	LB A/A	MP												
11 MSO	L		0.75	QT/A	MP												
11 LIQUID N	L		2	QT/A	MP												
12 OPTION	35	WG	0.066	LB A/A	MP	0	98	97	96	0	87	88	90	0	87	88	90
12 NORTHSTAR	47.4	WG	0.119	LB A/A	MP												
12 MSO	L		0.75	QT/A	MP												
12 LIQUID N	L		2	QT/A	MP												
13 OPTION	35	WG	0.066	LB A/A	MP	0	98	95	95	0	85	87	88	0	85	87	88
13 SPIRIT	57	WG	0.012	LB A/A	MP												
13 MSO	L		0.75	QT/A	MP												
13 LIQUID N	L		2	QT/A	MP												
14 OPTION	35	WG	0.066	LB A/A	MP	0	97	97	97	0	82	90	90	0	82	90	90
14 SPIRIT	57	WG	0.018	LB A/A	MP												
14 MSO	L		0.75	QT/A	MP												
14 LIQUID N	L		2	QT/A	MP												
15 OPTION	35	WG	0.066	LB A/A	MP	0	98	96	96	0	83	87	90	0	83	87	90
15 SPIRIT	57	WG	0.024	LB A/A	MP												
15 MSO	L		0.75	QT/A	MP												
15 LIQUID N	L		2	QT/A	MP												
16 STEADFAST	75	WG	0.035	LB A/A	MP	0	98	87	87	0	85	68	77	0	85	68	77
16 AATREX	4	F	0.75	LB A/A	MP												
16 COC	L		1	QT/A	MP												
16 LIQUID N	L		2	QT/A	MP												
LSD (P=.05)			1.2				3.0	3.9	3.8	1.9	8.3	5.3	6.3	1.9	8.3	5.3	6.3
Standard Deviation			0.7				1.8	2.3	2.3	1.2	5.0	3.2	3.8	1.2	5.0	3.2	3.8
CV			692.82				2.08	2.62	2.58	692.82	6.48	3.89	4.58	692.82	6.48	3.89	4.58

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

CORN POSTEMERGENCE III

Trial ID: C2015 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-29-02
Country: USA
Unit: FT Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE III

Trial ID: C2015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: IN

APPLICATION DESCRIPTION

A

Application Date: 05-28-02
Time of Day: 1:00
Application Method: SPRAY
Application Timing: MP
Applic. Placement: BROFOL
Air Temp., Unit: 72 F
& Relative Humidity: 69
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 73 F
Soil Moisture: ADEQUATE
& Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX MP
Height, Unit: 6 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA MP
Stage Scale: 2LF
Density, Unit: 2 IN
Weed 2 Code, Stage: AMBTR MP
Stage Scale: 6LF
Density, Unit: 6-8 IN
Weed 3 Code, Stage: XANST MP
Stage Scale: 4LF
Density, Unit: 3 IN

CORN POSTEMERGENCE III

Trial ID: C2015
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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

CORN POSTEMERGENCE IV

Trial ID: C2016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	98	0	97	96	95
1	AATREX	4 F		1 LB	A/A	PRE	0	98	98	98	0	97	96	95
1	LIGHTNING	70 DG		0.056 LB	A/A	12C								
1	AATREX	4 F		1 LB	A/A	12C								
1	COC	L		1 QT/A		12C								
1	LIQUID N	L		1.5 QT/A		12C								
2	GUARDSMAN MAX	5 E		1.25 LB	A/A	PRE	0	99	95	95	0	97	93	92
2	LIGHTNING	70 DG		0.056 LB	A/A	12C								
2	AATREX	4 F		1 LB	A/A	12C								
2	COC	L		1 QT/A		12C								
2	LIQUID N	L		1.5 QT/A		12C								
3	AATREX	4 F		1 LB	A/A	PRE	0	99	96	96	0	96	95	95
3	LIGHTNING	70 DG		0.056 LB	A/A	12C								
3	DISTINCT	70 WG		0.088 LB	A/A	12C								
3	COC	L		1 QT/A		12C								
3	LIQUID N	L		1.5 QT/A		12C								
4	GUARDSMAN MAX	5 E		1.25 LB	A/A	PRE	0	99	95	95	0	96	95	95
4	LIGHTNING	70 DG		0.056 LB	A/A	12C								
4	DISTINCT	70 WG		0.088 LB	A/A	12C								
4	COC	L		1 QT/A		12C								
4	LIQUID N	L		1.5 QT/A		12C								
5	AATREX	4 F		1 LB	A/A	PRE	0	99	96	96	0	96	95	95
5	LIGHTNING	70 DG		0.056 LB	A/A	12C								
5	DISTINCT	70 WG		0.131 LB	A/A	12C								
5	COC	L		1 QT/A		12C								
5	LIQUID N	L		1.5 QT/A		12C								
6	GUARDSMAN MAX	5 E		1.25 LB	A/A	PRE	0	99	93	93	0	95	92	92
6	LIGHTNING	70 DG		0.056 LB	A/A	12C								
6	DISTINCT	70 WG		0.131 LB	A/A	12C								
6	COC	L		1 QT/A		12C								
6	LIQUID N	L		1.5 QT/A		12C								

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

CORN POSTEMERGENCE IV

Trial ID: C2016
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	99	94	94	0	96	92	92
7	GUARDSMAN MAX	5 E		1.25 LB A/A	PRE		0	99	94	94	0	96	92	92
7	CELEBRITY PLUS	70 WG		0.154 LB A/A	12C									
7	ACTIVATOR 90			0.25 % V/V	12C									
7	LIQUID N	L		1.5 QT/A	12C									
8	AATREX	4 F		1 LB A/A	PRE		0	98	97	97	0	93	95	93
8	CELEBRITY PLUS	70 WG		0.21 LB A/A	12C									
8	ACTIVATOR 90			0.25 % V/V	12C									
8	LIQUID N	L		1.5 QT/A	12C									
9	BICEP II MAGNUM	5.5 L		2.88 LB A/A	PRE		0	99	99	99	0	95	96	96
9	EXCEED	57 DF		0.036 LB A/A	12C									
9	ACTIVATOR 90			0.25 % V/V	12C									
10	LEADOFF	5 CS		1.25 LB A/A	PRE		0	99	90	92	0	93	80	85
10	BASIS GOLD	89.5 DF		0.78 LB A/A	12C									
10	ACTIVATOR 90			0.25 % V/V	12C									
11	BICEP II MAGNUM	5.5 L		2.88 LB A/A	PRE		0	99	99	99	0	97	96	96
11	CALLISTO	4 SC		0.094 LB A/A	12C									
11	AATREX	4 F		0.25 LB A/A	12C									
11	COC	L		1 QT/A	12C									
12	GUARDSMAN MAX	5 E		2.5 LB A/A	PRE		0	98	89	89	0	95	78	78
13	BICEP II MAGNUM	5.5 L		2.88 LB A/A	PRE		0	99	90	90	0	96	77	77
14	CHECK UNTREATED						0	0	0	0	0	0	0	0
LSD (P=.05)							0.0	2.0	5.6	5.2	0.0	3.8	5.6	5.3
Standard Deviation							0.0	1.2	3.3	3.1	0.0	2.2	3.3	3.1
CV							0.0	1.33	3.79	3.51	0.0	2.54	3.97	3.73

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

CORN POSTEMERGENCE IV

Trial ID: C2016 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-29-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

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

CORN POSTEMERGENCE IV

Trial ID: C2016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B
Application Date:	05-08-02	06-04-02
Time of Day:	9:00	1:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	12C
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	70 F	82 F
% Relative Humidity:	77	66
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

CORN POSTEMERGENCE IV

Trial ID: C2016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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CORN POSTEMERGENCE V

Trial ID: C2017
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	99	97	0	96	95	92
1	AATREX	4 F		1 LB	A/A PRE		0	98	99	97	0	96	95	92
1	LIGHTNING	70 DG		0.056 LB	A/A 16C									
1	AATREX	4 F		1 LB	A/A 16C									
1	COC	L		1 QT/A	16C									
1	LIQUID N	L		1.5 QT/A	16C									
1	CLEARFIELD CORN													
2	AATREX	4 F		1 LB	A/A PRE		0	97	98	96	0	96	95	92
2	LIGHTNING	70 DG		0.056 LB	A/A 16C									
2	DISTINCT	70 WG		0.088 LB	A/A 16C									
2	COC	L		1 QT/A	16C									
2	LIQUID N	L		1.5 QT/A	16C									
2	CLEARFIELD CORN													
3	AATREX	4 F		1 LB	A/A PRE		0	97	98	98	0	95	95	95
3	LIGHTNING	70 DG		0.056 LB	A/A 16C									
3	DISTINCT	70 WG		0.131 LB	A/A 16C									
3	COC	L		1 QT/A	16C									
3	LIQUID N	L		1.5 QT/A	16C									
3	CLEARFIELD CORN													
4	AATREX	4 F		1 LB	A/A PRE		0	97	93	93	0	90	78	87
4	STEADFAST	75 WG		0.035 LB	A/A 16C									
4	COC	L		1 QT/A	16C									
4	AMS	100 SG		2 %	W/W 16C									
4	CLEARFIELD CORN													
5	AATREX	4 F		1 LB	A/A PRE		0	92	90	90	0	88	75	78
5	BASIS GOLD	89.5 DF		0.78 LB	A/A 16C									
5	ACTIVATOR 90			0.25 %	V/V 16C									
5	CLEARFIELD CORN													
6	AATREX	4 F		1 LB	A/A PRE		0	90	98	94	0	70	95	92
6	SPIRIT	57 WG		0.036 LB	A/A 16C									
6	COC	L		1 QT/A	16C									
6	LIQUID N	L		1 QT/A	16C									
6	CLEARFIELD CORN													

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CORN POSTEMERGENCE V

Trial ID: C2017
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE		
7	AATREX	4 F		1 LB A/A	PRE		0	77	97	97	0	67	95	93
7	CALLISTO	4 SC		0.094 LB A/A	16C									
7	COC	L		1 QT/A	16C									
7	LIQUID N	L		2.5 QT/A	16C									
7	CLEARFIELD CORN													
8	AATREX	4 F		1 LB A/A	PRE		0	99	99	99	0	93	92	90
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	16C									
8	AMS	L		2 % W/W	16C									
8	ROUNDUP CORN													
9	AATREX	4 F		1 LB A/A	PRE		0	98	98	98	0	92	95	95
9	CELEBRITY PLUS	70 WG		0.21 LB A/A	16C									
9	ACTIVATOR 90			0.25 % V/V	16C									
9	LIQUID N	L		1.5 QT/A	16C									
9	CLEARFIELD CORN													
10	AATREX	4 F		1 LB A/A	PRE		0	77	98	98	0	63	95	95
10	DISTINCT	70 WG		0.175 LB A/A	16C									
10	ACTIVATOR 90			0.25 % V/V	16C									
10	LIQUID N	L		1.5 QT/A	16C									
10	CLEARFIELD CORN													
11	AATREX	4 F		1 LB A/A	PRE		0	65	82	82	0	53	75	75
11	CHECK UNTREATED													
11	CLEARFIELD CORN													
12	AATREX	4 F		1 LB A/A	PRE		0	68	84	83	0	57	72	77
12	CHECK UNTREATED													
12	CLEARFIELD CORN													
13	AATREX	4 F		1 LB A/A	PRE		0	99	97	97	0	95	95	93
13	LIGHTNING	70 DG		0.056 LB A/A	16C									
13	CALLISTO	4 SC		0.094 LB A/A	16C									
13	COC	L		1 QT/A	16C									
13	LIQUID N	L		1.5 QT/A	16C									
13	CLEARFIELD CORN													

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CORN POSTEMERGENCE V

Trial ID: C2017
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	97	0	96	96	96
14 AATREX	4 F		1 LB	A/A PRE		0	98	98	97	0	96	96	96
14 LIGHTNING	70 DG		0.056 LB	A/A 16C									
14 OPTION	35 WG		0.067 LB	A/A 16C									
14 COC	L		1 QT/A	16C									
14 LIQUID N	L		1.5 QT/A	16C									
14 CLEARFIELD CORN													
15 AATREX	4 F		1 LB	A/A PRE		0	73	98	97	0	58	95	93
15 CALLISTO	4 SC		0.094 LB	A/A 16C									
15 AATREX	4 F		0.25 LB	A/A 16C									
15 COC	L		1 QT/A	16C									
15 LIQUID N	L		2.5 QT/A	16C									
15 CLEARFIELD CORN													
16 AATREX	4 F		1 LB	A/A PRE		0	60	68	70	0	53	53	53
16 CHECK UNTREATED													
16 ROUNDUP CORN													
LSD (P=.05)			0.0	17.5	8.9	8.6	0.0	18.0	14.4	12.3			
Standard Deviation			0.0	10.5	5.4	5.1	0.0	10.8	8.7	7.4			
CV			0.0	12.1	5.74	5.53	0.0	13.65	9.92	8.44			

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CORN POSTEMERGENCE V

Trial ID: C2017 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON **Trial Status:** COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 **Initiation Date:** 04-26-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362IT
Planting Date: 05-05-02 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-14-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

CORN POSTEMERGENCE V

Trial ID: C2017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B
Application Date:	05-08-02	06-04-02
Time of Day:	2:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	16C
Applic. Placement:	BROSIO	BROFOL
Air Temp., Unit:	70 F	82 F
% Relative Humidity:	77	66
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 16C
Height, Unit:	16	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA 16C
Stage Scale:		5LF
Density, Unit:		5 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR 16C
Stage Scale:		6LF
Density, Unit:		6 IN
Weed 3 Code, Stage:	IPOHE PRE	IPOHE 16C
Stage Scale:		6LF
Density, Unit:		4 IN

CORN POSTEMERGENCE V

Trial ID: C2017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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CORN POSTEMERGENCE LIBERTY

Trial ID: C2022
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	0	93	88	88	90	0	93	88	88	90
1	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	93	88	88	90	0	93	88	88	90
1	AMS	100 SG		3 LB	A/A LP	LP										
2	LIBERTY	1.67 E		0.36 LB	A/A LP	LP	0	95	95	95	92	0	95	95	95	92
2	AMS	100 SG		3 LB	A/A LP	LP										
3	LIBERTY	1.67 E		0.42 LB	A/A LP	LP	0	95	94	96	93	0	95	94	96	93
3	AMS	100 SG		3 LB	A/A LP	LP										
4	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	94	94	94	93	0	94	94	94	93
4	CALLISTO	4 SC		0.031 LB	A/A LP	LP										
4	AMS	100 SG		3 LB	A/A LP	LP										
5	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	93	95	95	95	0	93	95	95	95
5	CALLISTO	4 SC		0.047 LB	A/A LP	LP										
5	AMS	100 SG		3 LB	A/A LP	LP										
6	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	95	97	97	96	0	95	97	97	96
6	CALLISTO	4 SC		0.063 LB	A/A LP	LP										
6	AMS	100 SG		3 LB	A/A LP	LP										
7	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	99	97	97	97	0	99	97	97	97
7	AATREX	4 F		1 LB	A/A LP	LP										
7	AMS	100 SG		3 LB	A/A LP	LP										
8	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	92	92	93	93	0	92	92	93	93
8	DISTINCT	70 WG		0.09 LB	A/A LP	LP										
8	AMS	100 SG		3 LB	A/A LP	LP										
9	LIBERTY	1.67 E		0.31 LB	A/A LP	LP	0	95	96	95	96	0	95	96	95	96
9	CALLISTO	4 SC		0.094 LB	A/A LP	LP										
9	AMS	100 SG		3 LB	A/A LP	LP										
10	BALANCE PRO	4 SC		0.07 LB	A/A PRE	PRE	0	98	95	95	95	0	98	95	95	95
10	DEFINE	60 DF		0.375 LB	A/A PRE	PRE										
10	AATREX	4 F		1.5 LB	A/A PRE	PRE										

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CORN POSTEMERGENCE LIBERTY

Trial ID: C2022
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Unit	Rate Unit	Grow Stg	0	99	94	95	95	0	99	94	95	95
11	BALANCE PRO	4	SC	0.07	LB	A/A	PRE	0	99	94	95	95	0	99	94	95	95
11	AATREX	4	F	0.75	LB	A/A	PRE										
11	PRINCEP	4	F	0.75	LB	A/A	PRE										
12	BALANCE PRO	4	SC	0.047	LB	A/A	PRE	0	98	96	95	95	0	98	96	95	95
12	LIBERTY	1.67	E	0.36	LB	A/A	MP										
12	AATREX	4	F	1	LB	A/A	MP										
12	AMS		L	3	LB	A/A	MP										
13	DEFINE	60	DF	0.3	LB	A/A	EP	0	100	98	98	95	0	100	98	98	95
13	AATREX	4	F	1	LB	A/A	EP										
13	LIBERTY	1.67	E	0.36	LB	A/A	EP										
14	BALANCE PRO	4	SC	0.047	LB	A/A	PRE	0	100	97	97	97	0	100	97	97	97
14	OPTION	35	WG	0.066	LB	A/A	MP										
14	DISTINCT	70	WG	0.088	LB	A/A	MP										
14	MSO		L	1.5	QT/A		MP										
14	LIQUID N		L	2	QT/A		MP										
15	DEFINE	60	DF	0.3	LB	A/A	EP	0	99	97	97	96	0	99	97	97	96
15	OPTION	35	WG	0.066	LB	A/A	EP										
15	AATREX	4	F	1	LB	A/A	EP										
15	MSO		L	1.5	QT/A		EP										
15	LIQUID N		L	2	QT/A		EP										
16	BICEP II MAGNUM	5.5	L	2.88	LB	A/A	PRE	0	99	98	97	97	0	99	98	97	97
16	SPIRIT	57	WG	0.036	LB	A/A	MP										
16	COC		L	1	QT/A		MP										
16	LIQUID N		L	2	QT/A		MP										
17	DEGREE XTRA	4.04	CS	2.88	LB	A/A	PRE	0	99	98	97	97	0	99	98	97	97
17	SPIRIT	57	WG	0.036	LB	A/A	MP										
17	COC		L	1	QT/A		MP										
17	LIQUID N		L	2	QT/A		MP										
18	DEGREE XTRA	4.04	CS	2.88	LB	A/A	PRE	0	99	96	96	96	0	99	96	96	96
18	OPTION	35	WG	0.066	LB	A/A	MP										
18	MSO		L	1.5	QT/A		MP										
18	LIQUID N		L	2	QT/A		MP										

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CORN POSTEMERGENCE LIBERTY

Trial ID: C2022
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	XANST	IPOSS	SETFA	AMBTR	XANST	IPOSS
19 AXIOM	68	DF	0.72	LB A/A	PRE	0	99	96	96	0	99	96	96
19 AATREX	4	F	2	LB A/A	PRE								
20 EPIC	58	DF	0.4	LB A/A	PRE	0	100	96	96	0	100	96	96
20 AATREX	4	F	2	LB A/A	PRE								
21 EPIC	58	DF	0.29	LB A/A	PRE	0	98	97	96	0	98	97	96
21 DEFINE	60	DF	0.34	LB A/A	PRE								
21 AATREX	4	F	2	LB A/A	PRE								
22 CHECK UNTREATED						0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	5.2	4.1	3.0	3.9	0.0	5.2	4.1
Standard Deviation						0.0	3.2	2.5	1.8	2.3	0.0	3.2	2.5
CV						0.0	3.4	2.73	2.02	2.58	0.0	3.4	2.73

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C2022
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	XANST	IPOSS
1	LIBERTY	1.67	E	0.31	LB A/A	LP	0	85	72	80
1	AMS	100	SG	3	LB A/A	LP				
2	LIBERTY	1.67	E	0.36	LB A/A	LP	0	83	80	80
2	AMS	100	SG	3	LB A/A	LP				
3	LIBERTY	1.67	E	0.42	LB A/A	LP	0	87	82	82
3	AMS	100	SG	3	LB A/A	LP				
4	LIBERTY	1.67	E	0.31	LB A/A	LP	0	87	83	83
4	CALLISTO	4	SC	0.031	LB A/A	LP				
4	AMS	100	SG	3	LB A/A	LP				
5	LIBERTY	1.67	E	0.31	LB A/A	LP	0	80	90	87
5	CALLISTO	4	SC	0.047	LB A/A	LP				
5	AMS	100	SG	3	LB A/A	LP				
6	LIBERTY	1.67	E	0.31	LB A/A	LP	0	85	90	87
6	CALLISTO	4	SC	0.063	LB A/A	LP				
6	AMS	100	SG	3	LB A/A	LP				
7	LIBERTY	1.67	E	0.31	LB A/A	LP	0	90	93	90
7	AATREX	4	F	1	LB A/A	LP				
7	AMS	100	SG	3	LB A/A	LP				
8	LIBERTY	1.67	E	0.31	LB A/A	LP	0	77	83	85
8	DISTINCT	70	WG	0.09	LB A/A	LP				
8	AMS	100	SG	3	LB A/A	LP				
9	LIBERTY	1.67	E	0.31	LB A/A	LP	0	85	92	87
9	CALLISTO	4	SC	0.094	LB A/A	LP				
9	AMS	100	SG	3	LB A/A	LP				
10	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	95	83	83
10	DEFINE	60	DF	0.375	LB A/A	PRE				
10	AATREX	4	F	1.5	LB A/A	PRE				

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C2022
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
11	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	93	88	85
11	AATREX	4	F	0.75	LB A/A	PRE				
11	PRINCEP	4	F	0.75	LB A/A	PRE				
12	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	90	92	90
12	LIBERTY	1.67	E	0.36	LB A/A	MP				
12	AATREX	4	F	1	LB A/A	MP				
12	AMS		L	3	LB A/A	MP				
13	DEFINE	60	DF	0.3	LB A/A	EP	0	95	88	85
13	AATREX	4	F	1	LB A/A	EP				
13	LIBERTY	1.67	E	0.36	LB A/A	EP				
14	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	87	90	87
14	OPTION	35	WG	0.066	LB A/A	MP				
14	DISTINCT	70	WG	0.088	LB A/A	MP				
14	MSO		L	1.5	QT/A	MP				
14	LIQUID N		L	2	QT/A	MP				
15	DEFINE	60	DF	0.3	LB A/A	EP	0	95	90	88
15	OPTION	35	WG	0.066	LB A/A	EP				
15	AATREX	4	F	1	LB A/A	EP				
15	MSO		L	1.5	QT/A	EP				
15	LIQUID N		L	2	QT/A	EP				
16	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	95	92	88
16	SPIRIT	57	WG	0.036	LB A/A	MP				
16	COC		L	1	QT/A	MP				
16	LIQUID N		L	2	QT/A	MP				
17	DEGREE XTRA	4.04	CS	2.88	LB A/A	PRE	0	93	93	92
17	SPIRIT	57	WG	0.036	LB A/A	MP				
17	COC		L	1	QT/A	MP				
17	LIQUID N		L	2	QT/A	MP				
18	DEGREE XTRA	4.04	CS	2.88	LB A/A	PRE	0	95	93	92
18	OPTION	35	WG	0.066	LB A/A	MP				
18	MSO		L	1.5	QT/A	MP				
18	LIQUID N		L	2	QT/A	MP				

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C2022
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
19 AXIOM	68 DF		0.72 LB	A/A PRE		0	95	93	93	87
19 AATREX	4 F		2 LB	A/A PRE						
20 EPIC	58 DF		0.4 LB	A/A PRE		0	95	93	92	90
20 AATREX	4 F		2 LB	A/A PRE						
21 EPIC	58 DF		0.29 LB	A/A PRE		0	95	92	90	87
21 DEFINE	60 DF		0.34 LB	A/A PRE						
21 AATREX	4 F		2 LB	A/A PRE						
22 CHECK UNTREATED						0	0	0	0	0
LSD (P=.05)						0.0	9.4	7.6	6.2	6.4
Standard Deviation						0.0	5.7	4.6	3.8	3.9
CV						0.0	6.63	5.45	4.45	4.71

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C2022 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-05-02
Country: USA
Unit: FT Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: PIONEER 33G28
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C2022

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-08-02	05-24-02	05-28-02	05-31-02
Time of Day:	3:00	2:00	10:00	11:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	68 F	72 F	74 F
% Relative Humidity:	77	63	69	72
Wind Velocity, Unit:	3 MPH	4 MPH	5 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	68 F	67 F	73 F	74 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10	20	15

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX EP	ZEAMX MP	ZEAMX LP
Stage Scale:		V2	V4	V4
Height, Unit:		4 IN	8 IN	8 IN

WEED STAGE AT EACH APPLICATION

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

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

CORN POSTEMERGENCE LIBERTY

Trial ID: C2022

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP

Trial ID: C2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg				
1	CHECK						0	0	0	0
2	LIGHTNING	70	DG	0.084	LB A/A	3LF	0	0	0	0
2	DISTINCT	70	WG	0.088	LB A/A	3LF				
2	COC		L	1	QT/A	3LF				
2	LIQUID N		L	1.5	QT/A	3LF				
3	LIGHTNING	70	DG	0.084	LB A/A	6LF	0	0	0	0
3	DISTINCT	70	WG	0.088	LB A/A	6LF				
3	COC		L	1	QT/A	6LF				
3	LIQUID N		L	1.5	QT/A	6LF				
4	LIGHTNING	70	DG	0.084	LB A/A	9LF	0	0	0	0
4	DISTINCT	70	WG	0.088	LB A/A	9LF				
4	COC		L	1	QT/A	9LF				
4	LIQUID N		L	1.5	QT/A	9LF				
5	BASIS GOLD	89.5	DF	1.17	LB A/A	3LF	0	0	0	0
5	COC		L	1	QT/A	3LF				
5	LIQUID N		L	1.5	QT/A	3LF				
6	BASIS GOLD	89.5	DF	1.17	LB A/A	6LF	0	0	0	7
6	COC		L	1	QT/A	6LF				
6	LIQUID N		L	1.5	QT/A	6LF				
7	BASIS GOLD	89.5	DF	1.17	LB A/A	9LF	0	0	0	3
7	COC		L	1	QT/A	9LF				
7	LIQUID N		L	1.5	QT/A	9LF				
8	ROUNDUP ULTRAMAX	5	SL	1.52	LB A/A	3LF	0	0	0	3
8	AMS	100	SG	2	% W/W	3LF				
9	ROUNDUP ULTRAMAX	5	SL	1.52	LB A/A	6LF	0	0	0	0
9	AMS	100	SG	2	% W/W	6LF				
10	ROUNDUP ULTRAMAX	5	SL	1.52	LB A/A	9LF	0	0	0	0
10	AMS	100	SG	2	% W/W	9LF				

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE CLEARFIELD & ROUNDUP

Trial ID: C2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop Code		ZEAMX ¹	ZEAMX	ZEAMX	ZEAMX
Rating Data Type		INJURY	INJURY	INJURY	EAR DEFORM
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		2 WEEK	4 WEEK	8 WEEK	HARVEST
ARM Action Codes		P	P	P	P
# Subsamples, Dec.		0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	ZEAMX ¹ INJURY PERCENT	ZEAMX INJURY PERCENT	ZEAMX INJURY PERCENT	ZEAMX EAR DEFORM PERCENT
11	LIGHTNING	70	DG	0.168	LB A/A	3LF	0	0	0	7
11	DISTINCT	70	WG	0.088	LB A/A	3LF				
11	COC	L		1	QT/A	3LF				
11	LIQUID N	L		1.5	QT/A	3LF				
12	LIGHTNING	70	DG	0.168	LB A/A	6LF	0	0	0	7
12	DISTINCT	70	WG	0.088	LB A/A	6LF				
12	COC	L		1	QT/A	6LF				
12	LIQUID N	L		1.5	QT/A	6LF				
13	LIGHTNING	70	DG	0.168	LB A/A	9LF	0	0	0	7
13	DISTINCT	70	WG	0.088	LB A/A	9LF				
13	COC	L		1	QT/A	9LF				
13	LIQUID N	L		1.5	QT/A	9LF				
14	BASIS GOLD	89.5	DF	2.35	LB A/A	3LF	0	0	0	0
14	COC	L		1	QT/A	3LF				
14	LIQUID N	L		1.5	QT/A	3LF				
15	BASIS GOLD	89.5	DF	2.35	LB A/A	6LF	0	0	0	0
15	COC	L		1	QT/A	6LF				
15	LIQUID N	L		1.5	QT/A	6LF				
16	BASIS GOLD	89.5	DF	2.35	LB A/A	9LF	0	0	0	0
16	COC	L		1	QT/A	9LF				
16	LIQUID N	L		1.5	QT/A	9LF				
17	ROUNDUP ULTRAMAX	5	SL	3.04	LB A/A	3LF	0	0	0	0
17	AMS	100	SG	2	% W/W	3LF				
18	ROUNDUP ULTRAMAX	5	SL	3.04	LB A/A	6LF	0	0	0	0
18	AMS	100	SG	2	% W/W	6LF				
19	ROUNDUP ULTRAMAX	5	SL	3.04	LB A/A	9LF	0	0	0	0
19	AMS	100	SG	2	% W/W	9LF				
20	GUARDSMAN MAX	5	E	2.5	LB A/A	PRE	0	0	0	0
20	SPIRIT	57	WG	0.036	LB A/A	6LF				
20	COC	L		1	QT/A	6LF				
20	LIQUID N	L		1	QT/A	6LF				

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE CLEARFIELD & ROUNDUP

Trial ID: C2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg		
21 GUARDSMAN MAX 21 CHECK	5	E	2.5 LB	A/A PRE		0	0
LSD (P=.05)						0.0	6.1
Standard Deviation						0.0	3.7
CV						0.0	233.44

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP

Trial ID: C2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-25-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-04-02

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10RR
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-04-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP

Trial ID: C2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	04-24-02	05-16-02	06-05-02	06-14-02
Time of Day:	10:00	2:00	1:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3LF	6LF	9LF
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	56 F	65 F	76 F	68 F
% Relative Humidity:	67	57	76	69
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	60 F	64 F	79 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	15	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 3LF	ZEAMX 6LF	ZEAMX 9LF
Height, Unit:		6 IN	9 IN	12 IN
Crop 2 Code, Stage:	ZEAMX PRE	ZEAMX 3LF	ZEAMX 6LF	ZEAMX 9LF
Height, Unit:		6 IN	9 IN	12 IN

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP II

Trial ID: C2018-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg				
1	CHECK						0	0	0	3
2	LIGHTNING	70	DG	0.084	LB A/A	3LF	0	0	0	7
2	DISTINCT	70	WG	0.088	LB A/A	3LF				
2	COC	L		1	QT/A	3LF				
2	LIQUID N	L		1.5	QT/A	3LF				
3	LIGHTNING	70	DG	0.084	LB A/A	6LF	0	0	0	0
3	DISTINCT	70	WG	0.088	LB A/A	6LF				
3	COC	L		1	QT/A	6LF				
3	LIQUID N	L		1.5	QT/A	6LF				
4	LIGHTNING	70	DG	0.084	LB A/A	9LF	0	0	0	0
4	DISTINCT	70	WG	0.088	LB A/A	9LF				
4	COC	L		1	QT/A	9LF				
4	LIQUID N	L		1.5	QT/A	9LF				
5	BASIS GOLD	89.5	DF	1.17	LB A/A	3LF	0	0	0	0
5	COC	L		1	QT/A	3LF				
5	LIQUID N	L		1.5	QT/A	3LF				
6	BASIS GOLD	89.5	DF	1.17	LB A/A	6LF	0	0	0	0
6	COC	L		1	QT/A	6LF				
6	LIQUID N	L		1.5	QT/A	6LF				
7	BASIS GOLD	89.5	DF	1.17	LB A/A	9LF	0	0	0	13
7	COC	L		1	QT/A	9LF				
7	LIQUID N	L		1.5	QT/A	9LF				
8	ROUNDUP ULTRAMAX	5	SL	1.52	LB A/A	3LF	0	0	0	17
8	AMS	100	SG	2	% W/W	3LF				
9	ROUNDUP ULTRAMAX	5	SL	1.52	LB A/A	6LF	0	0	0	3
9	AMS	100	SG	2	% W/W	6LF				
10	ROUNDUP ULTRAMAX	5	SL	1.52	LB A/A	9LF	0	0	0	10
10	AMS	100	SG	2	% W/W	9LF				

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP II

Trial ID: C2018-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
11 LIGHTNING	70	DG	0.168	LB A/A	3LF	0	0	0	10
11 DISTINCT	70	WG	0.088	LB A/A	3LF				
11 COC	L		1	QT/A	3LF				
11 LIQUID N	L		1.5	QT/A	3LF				
12 LIGHTNING	70	DG	0.168	LB A/A	6LF	0	0	0	10
12 DISTINCT	70	WG	0.088	LB A/A	6LF				
12 COC	L		1	QT/A	6LF				
12 LIQUID N	L		1.5	QT/A	6LF				
13 LIGHTNING	70	DG	0.168	LB A/A	9LF	0	0	0	7
13 DISTINCT	70	WG	0.088	LB A/A	9LF				
13 COC	L		1	QT/A	9LF				
13 LIQUID N	L		1.5	QT/A	9LF				
14 BASIS GOLD	89.5	DF	2.35	LB A/A	3LF	0	0	0	0
14 COC	L		1	QT/A	3LF				
14 LIQUID N	L		1.5	QT/A	3LF				
15 BASIS GOLD	89.5	DF	2.35	LB A/A	6LF	0	0	0	0
15 COC	L		1	QT/A	6LF				
15 LIQUID N	L		1.5	QT/A	6LF				
16 BASIS GOLD	89.5	DF	2.35	LB A/A	9LF	0	0	0	7
16 COC	L		1	QT/A	9LF				
16 LIQUID N	L		1.5	QT/A	9LF				
17 ROUNDUP ULTRAMAX	5	SL	3.04	LB A/A	3LF	0	0	0	0
17 AMS	100	SG	2	% W/W	3LF				
18 ROUNDUP ULTRAMAX	5	SL	3.04	LB A/A	6LF	0	0	0	0
18 AMS	100	SG	2	% W/W	6LF				
19 ROUNDUP ULTRAMAX	5	SL	3.04	LB A/A	9LF	0	0	0	0
19 AMS	100	SG	2	% W/W	9LF				

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE CLEARFIELD & ROUNDUP II

Trial ID: C2018-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
20	GUARDSMAN MAX	5 E		2.5 LB	A/A	PRE	0	0	0	0
20	SPIRIT	57 WG		0.036 LB	A/A	6LF				
20	COC	L		1 QT/A		6LF				
20	LIQUID N	L		1 QT/A		6LF				
21	GUARDSMAN MAX	5 E		2.5 LB	A/A	PRE	0	0	0	0
21	CHECK									
LSD (P=.05)							0.0	0.0	0.0	11.7
Standard Deviation							0.0	0.0	0.0	7.1
CV							0.0	0.0	0.0	171.61

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

CORN^POSTEMERGENCE CLEARFIELD & ROUNDUP II

Trial ID: C2018-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-25-02
Country: USA
Angle y-axis to North °: 0.00

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-28-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 73 F Soil Moisture: NORMAL Emergence Date: 06-06-02

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10RR
Planting Date: 05-28-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 73 F Soil Moisture: NORMAL Emergence Date: 06-06-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP II

Trial ID: C2018-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-28-02	06-14-02	06-24-02	07-02-02
Time of Day:	2:00	3:00	3:00	11:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3LF	6LF	9LF
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	72 F	68 F	78 F	80 F
% Relative Humidity:	69	69	67	71
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	73 F	75 F	82 F	86 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 3LF	ZEAMX 6LF	ZEAMX 9LF
Height, Unit:		6 IN	9 IN	12 IN
Crop 2 Code, Stage:	ZEAMX PRE	ZEAMX 3LF	ZEAMX 6LF	ZEAMX 9LF
Height, Unit:		6 IN	9 IN	12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
	PRE	3LF	6LF	9LF

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

CORN POSTEMERGENCE CLEARFIELD & ROUNDUP II

Trial ID: C2018-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C2030
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	99	99	96	99	0	98	97	96	97
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP	0	99	99	96	99	0	98	97	96	97
1	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	REG										
2	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	100	98	97	98	0	93	88	92	95
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP										
3	DEGREE XTRA	4.04	CS	1.5	LB A/A	MP	0	99	97	96	96	0	98	90	92	93
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP										
4	DUAL II MAGNUM	7.6	EC	1.3	LB A/A	PRE	0	100	100	100	100	0	96	98	93	93
4	MARKSMAN	3.2	F	1.4	LB A/A	MP										
4	ACTIVATOR 90			0.125	% V/V	MP										
5	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	99	90	90	96	0	97	75	82	92
6	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	99	97	95	96	0	93	97	92	95
6	SPIRIT	57	WG	0.035	LB A/A	LP										
6	ACTIVATOR 90			0.25	% V/V	LP										
6	LIQUID N		L	2.5	% V/V	LP										
7	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	99	97	98	0	99	96	93	95
7	DISTINCT	70	WG	0.261	LB A/A	MP										
7	ACTIVATOR 90			0.25	% V/V	MP										
7	LIQUID N		L	1.125	% V/V	MP										
8	BICEP II MAGNUM	5.5	L	1.44	LB A/A	PRE	0	99	97	96	96	0	97	87	90	92
8	TOUCHDOWN IQ	4	SL	1	LB A/A	LP										
9	FULTIME	4	CS	1.55	LB A/A	PRE	0	100	98	96	97	0	90	85	88	93
9	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP										
10	LEADOFF	5	CS	1.33	LB A/A	PRE	0	98	93	95	96	0	93	85	88	93
10	BASIS GOLD	89.5	DF	0.783	LB A/A	MP										
10	COC		L	1	QT/A	MP										
10	LIQUID N		L	4	QT/A	MP										
11	CELEBRITY PLUS	70	WG	0.2	LB A/A	MP	0	99	97	97	97	0	96	95	93	95
11	ACTIVATOR 90			0.25	% V/V	MP										
11	LIQUID N		L	4	QT/A	MP										

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C2030
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	XANST	IPOHE	CHEAL	SETFA	XANST	IPOHE	CHEAL		
12 BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	100	97	98	0	97	93	93	92
12 CALLISTO	4	SC	0.094	LB A/A	MP										
12 AATREX	4	F	0.25	LB A/A	MP										
12 COC		L	1	QT/A	MP										
12 LIQUID N		L	2.5	% V/V	MP										
13 LEADOFF	5	CS	1.33	LB A/A	PRE	0	99	98	96	97	0	93	88	87	95
13 STEADFAST	75	WG	0.035	LB A/A	MP										
13 CLARITY	4	E	0.125	LB A/A	MP										
13 COC		L	1	QT/A	MP										
13 LIQUID N		L	2	QT/A	MP										
14 CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	1.7	4.0	3.1	2.2	0.0	5.6	6.1	5.0	4.2
Standard Deviation						0.0	1.0	2.4	1.9	1.3	0.0	3.4	3.6	3.0	2.5
CV						0.0	1.09	2.63	2.1	1.47	0.0	3.79	4.34	3.56	2.9

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Affiliation: UNIVERSITY OF KENTUCKY

Postal Code: 40546

Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON

Trial Status: COMPLETE

State/Prov.: KENTUCKY

Postal Code: 40511

Initiation Date: 04-25-02

Country: USA

Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.
4.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.

Crop 1: ZEAMX CORN, FIELD

Variety: DEKALB DKC64-10RR

Planting Date: 05-05-02

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 64

F

Soil Moisture: NORMAL

Emergence Date: 05-14-02

SITE AND DESIGN

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

% Sand: 6

% OM: 2.6

Texture: SILT LOAM

% Silt: 64

pH: 6.4

Soil Name: MAURY

% Clay: 30

CEC: 17

Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-08-02	06-03-02	06-05-02
Time of Day:	10:00	1:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	70 F	78 F	76 F
% Relative Humidity:	77	69	76
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	68 F	77 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10	15

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX MP	ZEAMX LP
Stage Scale:		V4	V5
Height, Unit:		8 IN	10 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA MP	SETFA LP
Stage Scale:		3LF	4LF
Density, Unit:		4 IN	5 IN
Weed 2 Code, Stage:	XANST PRE	XANST MP	XANST LP
Stage Scale:		4LF	6LF
Density, Unit:		3 IN	5 IN
Weed 3 Code, Stage:	IPOHE PRE	IPOHE MP	IPOHE LP
Stage Scale:		3LF	4LF
Density, Unit:		2 IN	3 IN
Weed 4 Code, Stage:	CHEAL PRE	CHEAL MP	CHEAL LP
Stage Scale:		5LF	7LF
Density, Unit:		3 IN	5 IN

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE ROUNDUP II

Trial ID: C2031
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	XANST	SETFA	CHEAL	XANST		
1	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP		0	98	97	98	0	97	94	94
1	AMS	L		2.5 % V/V	LP									
1	ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	IFN									
1	AMS	L		2.5 % V/V	IFN									
2	DEGREE XTRA	4.04 CS		1.5 LB A/A	PRE		0	98	98	98	0	96	95	93
2	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP									
2	AMS	L		2.5 % V/V	LP									
3	TOUCHDOWN IQ	4 SL		1 LB A/A	LP		0	98	98	98	0	97	97	97
3	AMS	L		1 % V/V	LP									
3	TOUCHDOWN IQ	4 SL		0.75 LB A/A	IFN									
3	AMS	L		1 % V/V	IFN									
4	BICEP II MAGNUM	5.5 L		2.88 LB A/A	PRE		0	98	98	98	0	95	94	93
4	TOUCHDOWN IQ	4 SL		1 LB A/A	LP									
4	AMS	L		1 % V/V	LP									
5	BICEP II MAGNUM	5.5 L		1.44 LB A/A	PRE		0	98	98	98	0	96	93	88
5	TOUCHDOWN IQ	4 SL		1 LB A/A	LP									
5	AMS	L		1 % V/V	LP									
6	BICEP II MAGNUM	5.5 L		2.88 LB A/A	PRE		0	98	98	98	0	97	96	96
6	TOUCHDOWN IQ	4 SL		1 LB A/A	12C									
6	CALLISTO	4 SC		0.094 LB A/A	12C									
6	AMS	L		2.5 % V/V	12C									
6	COC	L		0.5 QT/A	12C									
7	A12854	3.9 SE		2.96 LB A/A	PRE		0	98	95	95	0	97	92	82
8	DUAL II MAGNUM	7.6 EC		1.59 LB A/A	PRE		0	98	95	94	0	94	92	87
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP									
9	DUAL II MAGNUM	7.6 EC		1.59 LB A/A	PRE		0	98	96	96	0	95	93	92
9	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP									
9	S-3153	57.6 WG		0.014 LB A/A	LP									

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

CORN POSTEMERGENCE ROUNDUP II

Trial ID: C2031
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg								
10 DUAL II MAGNUM	7.6	EC	1.59	LB A/A	PRE	0	98	94	94	0	96	93	87
10 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
10 S-3153	57.6	WG	0.018	LB A/A	LP								
11 DUAL II MAGNUM	7.6	EC	1.59	LB A/A	PRE	0	98	93	93	0	96	92	85
11 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
11 AATREX	4	F	0.75	LB A/A	LP								
12 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP	0	98	95	97	0	95	90	90
12 AMS		L	2.5	% V/V	LP								
12 GLYPHOMAX PLUS	4	SL	0.75	LB A/A	IFN								
12 AMS		L	2.5	% V/V	IFN								
13 ACETOCHLOR 150	5.13	SE	1.73	LB A/A	PRE	0	98	98	98	0	95	92	88
13 AATREX	4	F	0.5	LB A/A	PRE								
13 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP								
13 AMS		L	2.5	% V/V	LP								
14 FULTIME	4	CS	1.5	LB A/A	PRE	0	98	98	98	0	93	95	90
14 AATREX	4	F	0.5	LB A/A	PRE								
14 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP								
14 AMS		L	2.5	% V/V	LP								
15 CHECK						0	0	0	0	0	0	0	0
16 CHECK						0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	0.0	3.8	3.4	0.0	3.4	5.1	8.5
Standard Deviation						0.0	0.0	2.3	2.0	0.0	2.0	3.1	5.1
CV						0.0	0.0	2.7	2.39	0.0	2.4	3.76	6.44

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

CORN POSTEMERGENCE ROUNDUP II

Trial ID: C2031 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-29-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10RR
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE ROUNDUP II

Trial ID: C2031 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-08-02	06-05-02
Time of Day:	10:00	1:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LP
Applic. Placement:	BROSIO	BROFOL
Air Temp., Unit:	70 F	76 F
% Relative Humidity:	77	76
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX LP
Height, Unit:	6	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LP
Stage Scale:		4LF
Density, Unit:		4 IN
Weed 2 Code, Stage:	CHEAL PRE	CHEAL LP
Stage Scale:		8LF
Density, Unit:		5 IN
Weed 3 Code, Stage:	XANST PRE	XANST LP
Stage Scale:		5LF
Density, Unit:		4 IN

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE ROUNDUP II

Trial ID: C2031

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

Dept. of Agronomy, Univ. of Ky
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NO-TILL CORN SYSTEM I

Trial ID: C2040
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	ZEAMX INJURY PERCENT	CONTROL PERCENT	ZEAMX INJURY PERCENT	CONTROL PERCENT	ZEAMX INJURY PERCENT	CONTROL PERCENT	ZEAMX INJURY PERCENT	CONTROL PERCENT	
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	97	98	0	97	98	0	97	98
1	HARNNESS XTRA	5.6	EC	3.36	LB A/A	PRE									
1	AMS		L	2.5	% W/W	PRE									
1	YUKON	67.5	WG	0.169	LB A/A	LMP									
1	ACTIVATOR 90			0.25	% V/V	LMP									
1	AMS		L	2.5	% W/W	LMP									
1	8362 IT														
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
2	AMS		L	2.5	% W/W	PRE									
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE									
2	EXCEED	57	DF	0.036	LB A/A	LMP									
2	COC		L	1	QT/A	LMP									
2	AMS		L	2.5	% W/W	LMP									
2	8362 IT														
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
3	AMS		L	2.5	% W/W	PRE									
3	AATREX	4	F	1	LB A/A	PRE									
3	LIGHTNING	70	DG	0.056	LB A/A	LMP									
3	COC		L	1	QT/A	LMP									
3	AMS		L	2.5	% W/W	LMP									
3	8362 IT														
4	8362 IT (BUFFER STRIP)						0	98	97	0	98	97	0	98	97
4	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE									
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE									
4	AMS		L	2.5	% W/W	PRE									
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	98	97	0	98	97	0	98	97
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE									
5	AMS		L	2.5	% W/W	PRE									
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP									
5	AMS		L	2.5	% W/W	LMP									
5	DKC 64-10														

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

NO-TILL CORN SYSTEM I

Trial ID: C2040
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	0	98	98	0	98	98
6 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
6 AMS	L		2.5	% W/W	PRE									
6 READYMASTER ATZ	4	SC	2	LB A/A	LMP									
6 AMS	L		2.5	% W/W	LMP									
6 DKC 64-10														
7 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	97	95	0	97	95	0	97	95
7 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE									
7 AMS	L		2.5	% W/W	PRE									
7 YUKON	67.5	WG	0.169	LB A/A	LMP									
7 ACTIVATOR 90			0.25	% V/V	LMP									
7 AMS	L		2.5	% W/W	LMP									
7 DKC 64-10														
8 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
8 AMS	L		2.5	% W/W	PRE									
8 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE									
8 EXCEED	57	DF	0.036	LB A/A	LMP									
8 COC	L		1	QT/A	LMP									
8 AMS	L		2.5	% W/W	LMP									
8 DKC 64-10														
9 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	98	97	0	98	97	0	98	97
9 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE									
9 AMS	L		2.5	% W/W	PRE									
9 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP									
9 AMS	L		2.5	% W/W	LMP									
9 RX740RR														
10 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
10 AMS	L		2.5	% W/W	PRE									
10 READYMASTER ATZ	4	SC	2	LB A/A	LMP									
10 AMS	L		2.5	% W/W	LMP									
10 RX740RR														

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NO-TILL CORN SYSTEM I

Trial ID: C2040
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	ZEAMX	SETFA	AMACH	ZEAMX	SETFA	AMACH
11 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	96	96	0	96	96
11 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE						
11 AMS		L	2.5	% W/W	PRE						
11 YUKON	67.5	WG	0.169	LB A/A	LMP						
11 ACTIVATOR 90				0.25 % V/V	LMP						
11 AMS		L	2.5	% W/W	LMP						
11 RX740RR											
12 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98
12 AMS		L	2.5	% W/W	PRE						
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE						
12 EXCEED	57	DF	0.036	LB A/A	LMP						
12 COC		L	1	QT/A	LMP						
12 AMS	100	SG	2.5	% W/W	LMP						
12 RX740RR											
13 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98
13 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE						
13 AMS		L	2.5	% W/W	PRE						
13 RX740RR (BUFFER STRIP)											
14 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	93	97	0	93	97
14 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE						
14 AMS		L	2.5	% W/W	PRE						
14 YUKON	67.5	WG	0.169	LB A/A	LMP						
14 ACTIVATOR 90				0.25 % V/V	LMP						
14 AMS	100	SG	2.5	% W/W	LMP						
14 34B28 CLEARFIELD											
15 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	96	98	0	96	98
15 AMS		L	2.5	% W/W	PRE						
15 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE						
15 EXCEED	57	DF	0.036	LB A/A	LMP						
15 COC		L	1	QT/A	LMP						
15 AMS	100	SG	2.5	% W/W	LMP						
15 34B28 CLEARFIELD											

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NO-TILL CORN SYSTEM I

Trial ID: C2040
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	AMACH	SETFA	AMACH	SETFA	AMACH
16 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	0	97	97	0	97	97
16 AMS	L		2.5 %	W/W	PRE						
16 AATREX	4	F	1 LB	A/A	PRE						
16 LIGHTNING	70	DG	0.056 LB	A/A	LMP						
16 COC	L		1 QT/A		LMP						
16 AMS	L		2.5 %	W/W	LMP						
16 34B28 CLEARFIELD											
LSD (P=.05)			0.0			0.0	2.7	2.0	0.0	2.7	2.0
Standard Deviation			0.0			0.0	1.9	1.4	0.0	1.9	1.4
CV			0.0			0.0	1.94	1.42	0.0	1.94	1.42

Dept. of Agronomy, Univ. of Ky
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NO-TILL CORN SYSTEM I

Trial ID: C2040 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-22-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

Crop 3: ZEAMX CORN, FIELD Variety: ASGROW RX740RR
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

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

NO-TILL CORN SYSTEM I

Trial ID: C2040
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: PIONEER 34B28
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-24-02	06-06-02
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	64 F
% Relative Humidity:	67	90
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	60 F	74 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

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

NO-TILL CORN SYSTEM I

Trial ID: C2040
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMACH PRE	AMACH LMP
Stage Scale:		8LF
Density, Unit:		5 IN

APPLICATION EQUIPMENT

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

NO-TILL CORN SYSTEM II

Trial ID: C2040-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	0	98	98	0	98	98	0	98	98
1 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	0	98	98	0	98	98	0	98	98
1 HARNESX XTRA	5.6	EC	3.36 LB	A/A	PRE									
1 AMS	L		2.5 %	W/W	PRE									
1 YUKON	67.5	WG	0.169 LB	A/A	LMP									
1 ACTIVATOR 90			0.25 %	V/V	LMP									
1 AMS	L		2.5 %	W/W	LMP									
1 8362 IT														
2 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	0	98	98	0	98	98	0	98	98
2 AMS	L		2.5 %	W/W	PRE									
2 BICEP II MAGNUM	5.5	L	2.89 LB	A/A	PRE									
2 EXCEED	57	DF	0.036 LB	A/A	LMP									
2 COC	L		1 QT/A		LMP									
2 AMS	L		2.5 %	W/W	LMP									
2 8362 IT														
3 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	0	98	98	0	98	98	0	98	98
3 AMS	L		2.5 %	W/W	PRE									
3 AATREX	4	F	1 LB	A/A	PRE									
3 LIGHTNING	70	DG	0.056 LB	A/A	LMP									
3 COC	L		1 QT/A		LMP									
3 AMS	L		2.5 %	W/W	LMP									
3 8362 IT														
4 8362 IT (BUFFER STRIP)						0	98	98	0	98	98	0	98	98
4 BICEP II MAGNUM	5.5	L	2.89 LB	A/A	PRE									
4 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE									
4 AMS	L		2.5 %	W/W	PRE									
5 DEGREE XTRA	4.04	CS	1.5 LB	A/A	PRE	0	98	98	0	98	98	0	98	98
5 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE									
5 AMS	L		2.5 %	W/W	PRE									
5 ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LMP									
5 AMS	L		2.5 %	W/W	LMP									
5 DKC 64-10														

Dept. of Agronomy, Univ. of Ky
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NO-TILL CORN SYSTEM II

Trial ID: C2040-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	AMACH CONTROL PERCENT
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98
6	AMS	L		2.5	% W/W	PRE						
6	READYMASTER ATZ	4	SC	2	LB A/A	LMP						
6	AMS	L		2.5	% W/W	LMP						
6	DKC 64-10											
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98
7	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE						
7	AMS	L		2.5	% W/W	PRE						
7	YUKON	67.5	WG	0.169	LB A/A	LMP						
7	ACTIVATOR 90			0.25	% V/V	LMP						
7	AMS	L		2.5	% W/W	LMP						
7	DKC 64-10											
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98
8	AMS	L		2.5	% W/W	PRE						
8	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE						
8	EXCEED	57	DF	0.036	LB A/A	LMP						
8	COC	L		1	QT/A	LMP						
8	AMS	L		2.5	% W/W	LMP						
8	DKC 64-10											
9	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	98	98	0	98	98
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE						
9	AMS	L		2.5	% W/W	PRE						
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP						
9	AMS	L		2.5	% W/W	LMP						
9	RX740RR											
10	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98
10	AMS	L		2.5	% W/W	PRE						
10	READYMASTER ATZ	4	SC	2	LB A/A	LMP						
10	AMS	L		2.5	% W/W	LMP						
10	RX740RR											

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

NO-TILL CORN SYSTEM II

Trial ID: C2040-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg							
11 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	PRE		0	98	98	0	98	98	0
11 HARNESS XTRA	5.6	EC	3.36 LB A/A	PRE								
11 AMS		L	2.5 % W/W	PRE								
11 YUKON	67.5	WG	0.169 LB A/A	LMP								
11 ACTIVATOR 90			0.25 % V/V	LMP								
11 AMS		L	2.5 % W/W	LMP								
11 RX740RR												
12 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	PRE		0	98	98	0	98	98	0
12 AMS		L	2.5 % W/W	PRE								
12 BICEP II MAGNUM	5.5	L	2.89 LB A/A	PRE								
12 EXCEED	57	DF	0.036 LB A/A	LMP								
12 COC		L	1 QT/A	LMP								
12 AMS	100	SG	2.5 % W/W	LMP								
12 RX740RR												
13 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	PRE		0	98	98	0	98	98	0
13 BICEP II MAGNUM	5.5	L	2.89 LB A/A	PRE								
13 AMS		L	2.5 % W/W	PRE								
13 RX740RR (BUFFER STRIP)												
14 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	PRE		0	98	98	0	98	98	0
14 HARNESS XTRA	5.6	EC	3.36 LB A/A	PRE								
14 AMS		L	2.5 % W/W	PRE								
14 YUKON	67.5	WG	0.169 LB A/A	LMP								
14 ACTIVATOR 90			0.25 % V/V	LMP								
14 AMS	100	SG	2.5 % W/W	LMP								
14 34B28 CLEARFIELD												
15 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	PRE		0	98	98	0	98	98	0
15 AMS		L	2.5 % W/W	PRE								
15 BICEP II MAGNUM	5.5	L	2.89 LB A/A	PRE								
15 EXCEED	57	DF	0.036 LB A/A	LMP								
15 COC		L	1 QT/A	LMP								
15 AMS	100	SG	2.5 % W/W	LMP								
15 34B28 CLEARFIELD												

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

NO-TILL CORN SYSTEM II

Trial ID: C2040-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	0	98	98	0	98	98
16 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
16 AMS	L		2.5	% W/W	PRE									
16 AATREX	4	F	1	LB A/A	PRE									
16 LIGHTNING	70	DG	0.056	LB A/A	LMP									
16 COC	L		1	QT/A	LMP									
16 AMS	L		2.5	% W/W	LMP									
16 34B28 CLEARFIELD														
LSD (P=.05)			0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Standard Deviation			0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV			0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

NO-TILL CORN SYSTEM II

Trial ID: C2040-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-24-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

Crop 3: ZEAMX CORN, FIELD Variety: ASGROW RX740RR
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

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NO-TILL CORN SYSTEM II

Trial ID: C2040-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: PIONEER 34B28
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-24-02	06-06-02
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	64 F
% Relative Humidity:	67	90
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	60 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

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

NO-TILL CORN SYSTEM II

Trial ID: C2040-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMACH PRE	AMACH LMP
Stage Scale:		8LF
Density, Unit:		5 IN

APPLICATION EQUIPMENT

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

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Weed Science Field Research

CORN CONVENTIONAL SYSTEM 1

Trial ID: C2041
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	0	98	97	0	98	97	0	98	97
1	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	98	97	0	98	97	0	98	97
1	YUKON	67.5	WG	0.169	LB A/A	LMP									
1	ACTIVATOR 90			0.25	% V/V	LMP									
1	AMS		L	2.5	% W/W	LMP									
1	8362 IT														
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0	98	98
2	EXCEED	57	DF	0.036	LB A/A	LMP									
2	COC		L	1	QT/A	LMP									
2	AMS		L	2.5	% W/W	LMP									
2	8362 IT														
3	AATREX	4	F	1	LB A/A	PRE	0	99	99	0	99	99	0	99	99
3	LIGHTNING	70	DG	0.056	LB A/A	LMP									
3	COC		L	1	QT/A	LMP									
3	AMS	100	SG	1.5	% W/W	LMP									
3	8362 IT														
4	8362 IT (BUFFER STRIP)						0	97	97	0	97	97	0	97	97
4	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE									
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	98	98	0	98	98	0	98	98
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP									
5	AMS		L	2.5	% W/W	LMP									
5	DKC 64-10														
6	READYMASTER ATZ	4	SC	2	LB A/A	LMP	0	97	98	0	97	98	0	97	98
6	AMS		L	2.5	% W/W	LMP									
6	DKC 64-10														
7	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	98	97	0	98	97	0	98	97
7	YUKON	67.5	WG	0.169	LB A/A	LMP									
7	ACTIVATOR 90			0.25	% V/V	LMP									
7	AMS		L	2.5	% W/W	LMP									
7	DKC 64-10														

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

CORN CONVENTIONAL SYSTEM 1

Trial ID: C2041
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	0	98	98	0	98	98
8	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0	98	98
8	EXCEED	57	DF	0.036	LB A/A	LMP									
8	COC		L	1	QT/A	LMP									
8	AMS		L	2.5	% W/W	LMP									
8	DKC 64-10														
9	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	98	98	0	98	98	0	98	98
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP									
9	AMS		L	2.5	% W/W	LMP									
9	RX740RR														
10	READYMASTER ATZ	4	SC	2	LB A/A	LMP	0	97	98	0	97	98	0	97	98
10	AMS		L	2.5	% W/W	LMP									
10	RX740RR														
11	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE	0	97	97	0	97	97	0	97	97
11	YUKON	67.5	WG	0.169	LB A/A	LMP									
11	ACTIVATOR 90			0.25	% V/V	LMP									
11	AMS		L	2.5	% W/W	LMP									
11	RX740RR														
12	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0	98	98
12	EXCEED	57	DF	0.036	LB A/A	LMP									
12	COC		L	1	QT/A	LMP									
12	AMS		L	2.5	% W/W	LMP									
12	RX740RR														
13	RX740RR (BUFFER STRIP)						0	97	98	0	97	98	0	97	98
13	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE									
14	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE	0	97	97	0	97	97	0	97	97
14	YUKON	67.5	WG	0.169	LB A/A	LMP									
14	ACTIVATOR 90			0.25	% V/V	LMP									
14	AMS		L	2.5	% W/W	LMP									
14	34B28 CLEARFIELD														

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

CORN CONVENTIONAL SYSTEM 1

Trial ID: C2041
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	0	98	98	0	98	98
15 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0	98	98
15 EXCEED	57	DF	0.036	LB A/A	LMP									
15 COC		L	1	QT/A	LMP									
15 AMS		L	2.5	% W/W	LMP									
15 34B28 CLEARFIELD														
16 AATREX	4	F	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
16 LIGHTNING	70	DG	0.056	LB A/A	LMP									
16 COC		L	1	QT/A	LMP									
16 AMS		L	2.5	% W/W	LMP									
16 34B28 CLEARFIELD														
LSD (P=.05)			0.0			0.0	1.3	1.4	0.0	1.3	1.4	0.0	1.3	1.4
Standard Deviation			0.0			0.0	0.9	0.9	0.0	0.9	0.9	0.0	0.9	0.9
CV			0.0			0.0	0.92	0.97	0.0	0.92	0.97	0.0	0.92	0.97

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

CORN CONVENTIONAL SYSTEM 1

Trial ID: C2041 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-24-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

Crop 2: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

Crop 3: ZEAMX CORN, FIELD Variety: ASGROW RX740RR
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

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CORN CONVENTIONAL SYSTEM 1

Trial ID: C2041 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: PIONEER 34B28
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-24-02	06-06-02
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	64 F
% Relative Humidity:	67	90
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	60 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

Dept. of Agronomy, Univ. of Ky
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CORN CONVENTIONAL SYSTEM 1

Trial ID: C2041 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMACH PRE	AMACH LMP
Stage Scale:		8LF
Density, Unit:		5 IN

APPLICATION EQUIPMENT

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

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

CORN CONVENTIONAL SYSTEM II

Trial ID: C2041-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Rate	Unit	Grow Stg	0	98	98	0	98	98	0	98	98
1	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE			0	98	98	0	98	98	0	98	98
1	YUKON	67.5	WG	0.169	LB A/A	LMP											
1	ACTIVATOR 90			0.25	% V/V	LMP											
1	AMS		L	2.5	% W/W	LMP											
1	8362 IT																
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE			0	98	98	0	98	98	0	98	98
2	EXCEED	57	DF	0.036	LB A/A	LMP											
2	COC		L	1	QT/A	LMP											
2	AMS		L	2.5	% W/W	LMP											
2	8362 IT																
3	AATREX	4	F	1	LB A/A	PRE			0	98	98	0	98	98	0	98	98
3	LIGHTNING	70	DG	0.056	LB A/A	LMP											
3	COC		L	1	QT/A	LMP											
3	AMS	100	SG	1.5	% W/W	LMP											
3	8362 IT																
4	8362 IT (BUFFER STRIP)								0	98	98	0	98	98	0	98	98
4	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE											
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE			0	98	98	0	98	98	0	98	98
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP											
5	AMS		L	2.5	% W/W	LMP											
5	DKC 64-10																
6	READYMASTER ATZ	4	SC	2	LB A/A	LMP			0	98	98	0	98	98	0	98	98
6	AMS		L	2.5	% W/W	LMP											
6	DKC 64-10																
7	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE			0	98	98	0	98	98	0	98	98
7	YUKON	67.5	WG	0.169	LB A/A	LMP											
7	ACTIVATOR 90			0.25	% V/V	LMP											
7	AMS		L	2.5	% W/W	LMP											
7	DKC 64-10																

Dept. of Agronomy, Univ. of Ky
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CORN CONVENTIONAL SYSTEM II

Trial ID: C2041-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg							
8 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0
8 EXCEED	57	DF	0.036	LB A/A	LMP							
8 COC		L	1	QT/A	LMP							
8 AMS		L	2.5	% W/W	LMP							
8 DKC 64-10												
9 DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	98	98	0	98	98	0
9 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP							
9 AMS		L	2.5	% W/W	LMP							
9 RX740RR												
10 READYMASTER ATZ	4	SC	2	LB A/A	LMP	0	98	98	0	98	98	0
10 AMS		L	2.5	% W/W	LMP							
10 RX740RR												
11 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	98	98	0	98	98	0
11 YUKON	67.5	WG	0.169	LB A/A	LMP							
11 ACTIVATOR 90			0.25	% V/V	LMP							
11 AMS		L	2.5	% W/W	LMP							
11 RX740RR												
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0
12 EXCEED	57	DF	0.036	LB A/A	LMP							
12 COC		L	1	QT/A	LMP							
12 AMS		L	2.5	% W/W	LMP							
12 RX740RR												
13 RX740RR (BUFFER STRIP)						0	98	98	0	98	98	0
13 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE							
14 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	98	98	0	98	98	0
14 YUKON	67.5	WG	0.169	LB A/A	LMP							
14 ACTIVATOR 90			0.25	% V/V	LMP							
14 AMS		L	2.5	% W/W	LMP							
14 34B28 CLEARFIELD												

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Weed Science Field Research

CORN CONVENTIONAL SYSTEM II

Trial ID: C2041-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	98	0	98	98	0	98	98
15 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	0	98	98	0	98	98
15 EXCEED	57	DF	0.036	LB A/A	LMP									
15 COC		L	1	QT/A	LMP									
15 AMS		L	2.5	% W/W	LMP									
15 34B28 CLEARFIELD														
16 AATREX	4	F	1	LB A/A	PRE	0	98	98	0	98	98	0	98	98
16 LIGHTNING	70	DG	0.056	LB A/A	LMP									
16 COC		L	1	QT/A	LMP									
16 AMS		L	2.5	% W/W	LMP									
16 34B28 CLEARFIELD														
LSD (P=.05)			0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Standard Deviation			0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV			0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CORN CONVENTIONAL SYSTEM II

Trial ID: C2041-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-23-01
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX	CORN, FIELD	Variety: GARST 8362IT
Planting Date: 04-24-02	Planting Method: ROW	
Rate: 28000 S/A	Depth: 1.5 IN	
Row Spacing: 30 IN	Seed Bed: MEDIUM	
Soil Temperature: 60 F	Soil Moisture: NORMAL	Emergence Date: 05-01-02

Crop 2: ZEAMX	CORN, FIELD	Variety: DEKALB DKC64-10
Planting Date: 04-24-02	Planting Method: ROW	
Rate: 28000 S/A	Depth: 1.5 IN	
Row Spacing: 30 IN	Seed Bed: MEDIUM	
Soil Temperature: 60 F	Soil Moisture: NORMAL	Emergence Date: 05-01-02

Crop 3: ZEAMX	CORN, FIELD	Variety: ASGROW RX740RR
Planting Date: 04-24-02	Planting Method: ROW	
Rate: 28000 S/A	Depth: 1.5 IN	
Row Spacing: 30 IN	Seed Bed: MEDIUM	
Soil Temperature: 60 F	Soil Moisture: NORMAL	Emergence Date: 05-01-02

Dept. of Agronomy, Univ. of Ky
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CORN CONVENTIONAL SYSTEM II

Trial ID: C2041-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: PIONEER 34B28
Planting Date: 04-24-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-01-02

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-24-02	06-06-02
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	64 F
% Relative Humidity:	67	90
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	60 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

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CORN CONVENTIONAL SYSTEM II

Trial ID: C2041-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LMP
Stage Scale:	2LF	
Density, Unit:	3	IN
Weed 2 Code, Stage:	AMACH PRE	AMACH LMP
Stage Scale:	8LF	
Density, Unit:	5	IN

APPLICATION EQUIPMENT

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

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CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	12J	0	90	0	90
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	12J	0	99	0	99
2	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	30"C				
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	18J	0	94	0	94
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	30"C	0	90	0	90
5	DEGREE	3.8	CS	1	LB A/A	PRE	0	99	0	99
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	18J				
6	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	99	0	99
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	18J				
7	READYMASTER ATZ	4	SC	2	LB A/A	12J	0	95	0	95
8	READYMASTER ATZ	4	SC	2	LB A/A	18J	0	96	0	96
9	TOUCHDOWN IQ	4	SL	1	LB A/A	12J	0	95	0	95
10	TOUCHDOWN IQ	4	SL	1	LB A/A	18J	0	98	0	98
11	TOUCHDOWN IQ	4	SL	1	LB A/A	30"C	0	88	0	88
12	DUAL II MAGNUM	7.6	EC	1	LB A/A	PRE	0	95	0	95
12	TOUCHDOWN IQ	4	SL	1	LB A/A	18J				
13	BICEP II MAGNUM	5.5	L	1.5	LB A/A	PRE	0	95	0	95
13	TOUCHDOWN IQ	4	SL	1	LB A/A	18J				
14	FULTIME	4	CS	1.55	LB A/A	PRE	0	98	0	98
14	GLYPHOMAX	4	SL	1	LB A/A	18J				
15	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	95	0	95
15	EXCEED	57	DF	0.036	LB A/A	18J				
15	COC		L	1	QT/A	18J				
15	LIQUID N		L	1	QT/A	18J				

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CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Form		Rate Unit	Grow Stg	SORHA		SORHA	
	Conc	Type			ZEAMX INJURY CONTROL PERCENT	ZEAMX INJURY CONTROL PERCENT	ZEAMX INJURY CONTROL PERCENT	ZEAMX INJURY CONTROL PERCENT
16 OUTLOOK	6	EC	0.9 LB A/A	PRE	0	96	0	96
16 CELEBRITY PLUS	70	WG	0.2 LB A/A	18J				
16 COC	L		1 QT/A	18J				
16 LIQUID N	L		1 QT/A	18J				
LSD (P=.05)					0.0	7.1	0.0	7.1
Standard Deviation					0.0	4.3	0.0	4.3
CV					0.0	4.47	0.0	4.47

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON **Trial Status:** COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 **Initiation Date:** 05-02-02
Country: USA **Angle y-axis to North °:** 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC64-10
Planting Date: 05-14-02 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 60 F **Soil Moisture:** NORMAL **Emergence Date:** 05-25-02

SITE AND DESIGN

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

SOIL DESCRIPTION

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

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-14-02	06-07-02	06-14-02	06-21-02
Time of Day:	11:00	2:00	1:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	12J	18J	30"C
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	52 F	67 F	68 F	76 F
% Relative Humidity:	68	75	69	65
Wind Velocity, Unit:	5 MPH	3 MPH	5 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	61 F	66 F	75 F	77 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10	10	20

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

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

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE CLEARFIELD JOHNSONGRASS

Trial ID: C2011
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1	AATREX	4	F	1	LB A/A	PRE	0	91	0	91
1	LIGHTNING	70	DG	0.056	LB A/A	18J				
1	COC		L	1	QT/A	18J				
1	LIQUID N		L	1.5	QT/A	18J				
2	AATREX	4	F	1	LB A/A	PRE	0	80	0	80
2	LIGHTNING	70	DG	0.056	LB A/A	20C				
2	COC		L	1	QT/A	20C				
2	LIQUID N		L	1.5	QT/A	20C				
3	AATREX	4	F	1	LB A/A	PRE	0	87	0	87
3	LIGHTNING	70	DG	0.056	LB A/A	18J				
3	DISTINCT	70	WG	0.131	LB A/A	18J				
3	COC		L	1	QT/A	18J				
3	LIQUID N		L	1.5	QT/A	18J				
4	AATREX	4	F	1	LB A/A	PRE	0	90	0	90
4	LIGHTNING	70	DG	0.056	LB A/A	20C				
4	DISTINCT	70	WG	0.131	LB A/A	20C				
4	COC		L	1	QT/A	20C				
4	LIQUID N		L	1.5	QT/A	20C				
5	AATREX	4	F	1	LB A/A	PRE	0	82	0	82
5	CELEBRITY PLUS	70	WG	0.21	LB A/A	18J				
5	ACTIVATOR 90			0.25	% V/V	18J				
5	LIQUID N		L	1.5	QT/A	18J				
6	AATREX	4	F	1	LB A/A	PRE	0	92	0	92
6	CELEBRITY PLUS	70	WG	0.21	LB A/A	20C				
6	ACTIVATOR 90			0.25	% V/V	20C				
6	LIQUID N		L	1.5	QT/A	20C				
7	STEADFAST	75	WG	0.035	LB A/A	18J	0	92	0	92
7	DISTINCT	70	WG	0.088	LB A/A	18J				
7	COC		L	1	QT/A	18J				
7	AMS	100	SG	2	LB A/A	18J				

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

CORN POSTEMERGENCE CLEARFIELD JOHNSONGRASS

Trial ID: C2011
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
8	STEADFAST	75	WG	0.035	LB A/A	20C	0	91	0	91
8	DISTINCT	70	WG	0.088	LB A/A	20C				
8	COC		L	1	QT/A	20C				
8	AMS	100	SG	2	LB A/A	20C				
9	ACCENT	75	WG	0.031	LB A/A	18J	0	86	0	86
9	DISTINCT	70	WG	0.088	LB A/A	18J				
9	COC		L	1	QT/A	18J				
9	AMS	100	SG	2	LB A/A	18J				
10	ACCENT	75	WG	0.031	LB A/A	20C	0	78	0	78
10	DISTINCT	70	WG	0.088	LB A/A	20C				
10	COC		L	1	QT/A	20C				
10	AMS	100	SG	2	LB A/A	20C				
11	OPTION	35	WG	0.066	LB A/A	18J	0	96	0	96
11	MSO		L	1	QT/A	18J				
11	AMS	100	SG	2	LB A/A	18J				
12	OPTION	35	WG	0.066	LB A/A	20C	0	98	0	98
12	MSO		L	1	QT/A	20C				
12	AMS	100	SG	2	LB A/A	20C				
13	BICEP LITE II MAGNUM	6	SL	2.88	LB A/A	PRE	0	89	0	89
13	EXCEED	57	DF	0.036	LB A/A	18J				
13	COC		L	1	QT/A	18J				
13	LIQUID N		L	1	QT/A	18J				
14	BICEP LITE II MAGNUM	6	SL	2.88	LB A/A	PRE	0	97	0	97
14	SPIRIT	57	WG	0.036	LB A/A	18J				
14	COC		L	1	QT/A	18J				
14	LIQUID N		L	1	QT/A	18J				
LSD (P=.05)							0.0	9.1	0.0	9.1
Standard Deviation							0.0	5.4	0.0	5.4
CV							0.0	6.11	0.0	6.11

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

CORN POSTEMERGENCE CLEARFIELD JOHNSONGRASS

Trial ID: C2011 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-02-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-14-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

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

CORN POSTEMERGENCE CLEARFIELD JOHNSONGRASS

Trial ID: C2011 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-16-02	06-14-02	06-14-02
Time of Day:	10:00	10:00	1:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	18J	20C
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	65 F	68 F	68 F
% Relative Humidity:	57	69	69
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	64 F	75 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 18J	ZEAMX 20C
Height, Unit:		20 IN	20 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SORHA PRE	SORHA 18J	SORHA 20C
Density, Unit:		18 IN	18 IN

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C2012

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form	Form Conc	Rate	Unit	Grow Stg				
1	AATREX	4 F		2 LB	A/A PRE		0	97	0	97
1	OPTION	35 WG		0.027 LB	A/A 12J					
1	MSO	L		0.75 QT/A	12J					
1	LIQUID N	L		2 QT/A	12J					
2	AATREX	4 F		2 LB	A/A PRE		0	95	0	95
2	OPTION	35 WG		0.033 LB	A/A 12J					
2	MSO	L		0.75 QT/A	12J					
2	LIQUID N	L		2 QT/A	12J					
3	AATREX	4 F		2 LB	A/A PRE		0	91	0	91
3	OPTION	35 WG		0.038 LB	A/A 12J					
3	MSO	L		0.75 QT/A	12J					
3	LIQUID N	L		2 QT/A	12J					
4	AATREX	4 F		2 LB	A/A PRE		0	93	0	93
4	ACCENT	75 WG		0.024 LB	A/A 12J					
4	COC	L		1 QT/A	12J					
5	AATREX	4 F		2 LB	A/A PRE		0	88	0	88
5	ACCENT	75 WG		0.031 LB	A/A 12J					
5	COC	L		1 QT/A	12J					
6	AATREX	4 F		2 LB	A/A PRE		0	97	0	97
6	ACCENT	75 WG		0.047 LB	A/A 12J					
6	COC	L		2 QT/A	12J					
7	AATREX	4 F		2 LB	A/A PRE		0	94	0	94
7	YUKON	67.5 WG		0.169 LB	A/A 12J					
7	OPTION	35 WG		0.033 LB	A/A 12J					
7	MSO	L		0.75 QT/A	12J					
8	AATREX	4 F		2 LB	A/A PRE		0	97	0	97
8	OPTION	35 WG		0.027 LB	A/A 18J					
8	MSO	L		0.75 QT/A	18J					
8	LIQUID N	L		2 QT/A	18J					

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

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C2012

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
9	AATREX	4	F	2	LB A/A	PRE	0	93	0	93
9	OPTION	35	WG	0.033	LB A/A	18J				
9	MSO		L	0.75	QT/A	18J				
9	LIQUID N		L	2	QT/A	18J				
10	AATREX	4	F	2	LB A/A	PRE	0	91	0	91
10	OPTION	35	WG	0.038	LB A/A	18J				
10	MSO		L	0.75	QT/A	18J				
10	LIQUID N		L	2	QT/A	18J				
11	AATREX	4	F	2	LB A/A	PRE	0	93	0	93
11	ACCENT	75	WG	0.024	LB A/A	18J				
11	COC		L	1	QT/A	18J				
12	AATREX	4	F	2	LB A/A	PRE	0	90	0	90
12	ACCENT	75	WG	0.031	LB A/A	18J				
12	COC		L	1	QT/A	18J				
13	AATREX	4	F	2	LB A/A	PRE	0	91	0	91
13	ACCENT	75	WG	0.047	LB A/A	18J				
13	COC		L	2	QT/A	18J				
14	AATREX	4	F	2	LB A/A	PRE	0	89	0	89
14	YUKON	67.5	WG	0.169	LB A/A	18J				
14	OPTION	35	WG	0.033	LB A/A	18J				
14	MSO		L	0.75	QT/A	18J				

LSD (P=.05)	0.0	8.6	0.0	8.6
Standard Deviation	0.0	5.1	0.0	5.1
CV	0.0	5.51	0.0	5.51

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

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C2012 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-02-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10RR
Planting Date: 05-14-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: IN

CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C2012

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-14-02	06-07-02	06-14-02
Time of Day:	9:00	10:00	9:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	12J	18J
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	52 F	67 F	68 F
% Relative Humidity:	68	75	69
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	60 F	66 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	15

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 12J	ZEAMX 18J
Height, Unit:		8 IN	10 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SORHA PRE	SORHA 12J	SORHA 18J
Density, Unit:		12 IN	18 IN

APPLICATION EQUIPMENT

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

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CORN POSTEMGERGENCE CLEARFIELD JOHNSONGRASS II

Trial ID: C2013 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SORHA		SORHA	
Crop Code	ZEAMX		ZEAMX	
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	3 WEEK	3 WEEK	6 WEEK	6 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1	LIGHTNING	70	DG	0.056	LB A/A	18J	0	90	0	92
1	COC		L	1	QT/A	18J				
1	AMS	100	SG	2.1	LB A/A	18J				
2	LIGHTNING	70	DG	0.056	LB A/A	18J	0	78	0	87
2	40204	100	SG	1.5	LB A/A	18J				
3	LIGHTNING	70	DG	0.056	LB A/A	18J	0	73	0	90
3	40204	100	SG	2.25	LB A/A	18J				
4	LIGHTNING	70	DG	0.056	LB A/A	18J	0	80	0	87
4	20204	100	SG	2.25	LB A/A	18J				
LSD (P=.05)							0.0	28.3	0.0	17.3
Standard Deviation							0.0	14.2	0.0	8.7
CV							0.0	17.62	0.0	9.76

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

CORN POSTEMGERGENCE CLEARFIELD JOHNSONGRASS II

Trial ID: C2013 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-08-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 05-14-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 60 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6 % OM: 2.6 Texture: SILT LOAM
% Silt: 62 pH: 6.4 Soil Name: MAURY
% Clay: 32 CEC: 17 Fert. Level: EXCELLENT

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

CORN POSTEMGERGENCE CLEARFIELD JOHNSONGRASS II

Trial ID: C2013 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION DESCRIPTION

A
 Application Date: 06-14-02
 Time of Day: 11:30
 Application Method: SPRAY
 Application Timing: 18J
 Applic. Placement: BROFOL
 Air Temp., Unit: 68 F
 % Relative Humidity: 69
 Wind Velocity, Unit: 4 MPH
 Dew Presence (Y/N): N
 Soil Temp., Unit: 75 F
 Soil Moisture: ADEQUATE
 % Cloud Cover: 15

CROP STAGE AT EACH APPLICATION

A
 Crop 1 Code, Stage: ZEAMX 18J
 Height, Unit: 12 IN

WEED STAGE AT EACH APPLICATION

A
 Weed 1 Code, Stage: SORHA 18J
 Density, Unit: 18 IN

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE LIBERTY SIGNALGRASS

Trial ID: C2020
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	ZEAMX INJURY PERCENT	BRAPP CONTROL PERCENT	SETFA CONTROL PERCENT	DIGSA CONTROL PERCENT	CHEAL CONTROL PERCENT	ZEAMX INJURY PERCENT	BRAPP CONTROL PERCENT	SETFA CONTROL PERCENT	DIGSA CONTROL PERCENT	CHEAL CONTROL PERCENT	
1 LIBERTY 1 AMS	1.67 100	E SG	0.31 3	LB LB	A/A A/A	LP LP	0	92	96	96	97	0	92	96	40	97
2 LIBERTY 2 AMS	1.67 100	E SG	0.36 3	LB LB	A/A A/A	LP LP	0	88	95	93	98	0	88	95	58	98
3 LIBERTY 3 AMS	1.67 100	E SG	0.42 3	LB LB	A/A A/A	LP LP	0	93	96	96	98	0	93	96	53	98
4 LIBERTY 4 CALLISTO 4 AMS	1.67 4 100	E SC SG	0.31 0.031 3	LB LB LB	A/A A/A A/A	LP LP LP	0	93	96	93	99	0	93	96	58	99
5 LIBERTY 5 CALLISTO 5 AMS	1.67 4 100	E SC SG	0.31 0.047 3	LB LB LB	A/A A/A A/A	LP LP LP	0	90	95	95	98	0	90	95	42	98
6 LIBERTY 6 CALLISTO 6 AMS	1.67 4 100	E SC SG	0.31 0.063 3	LB LB LB	A/A A/A A/A	LP LP LP	0	94	97	95	97	0	94	97	50	97
7 LIBERTY 7 AATREX 7 AMS	1.67 4 100	E F SG	0.31 1 3	LB LB LB	A/A A/A A/A	LP LP LP	0	94	97	97	98	0	94	97	83	98
8 LIBERTY 8 DISTINCT 8 AMS	1.67 70 100	E WG SG	0.31 0.09 3	LB LB LB	A/A A/A A/A	LP LP LP	0	85	96	96	97	0	85	96	50	97
9 LIBERTY 9 CALLISTO 9 AMS	1.67 4 100	E SC SG	0.31 0.094 3	LB LB LB	A/A A/A A/A	LP LP LP	0	93	97	97	97	0	93	97	40	97
10 CHECK UNTREATED							0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							0.0	8.4	3.0	3.8	2.6	0.0	8.4	3.0	31.7	2.6
Standard Deviation							0.0	4.9	1.7	2.2	1.5	0.0	4.9	1.7	18.5	1.5
CV							0.0	5.98	2.01	2.57	1.73	0.0	5.98	2.01	38.88	1.73

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

CORN POSTEMERGENCE LIBERTY SIGNALGRASS

Trial ID: C2020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1	LIBERTY	1.67	E	0.31	LB A/A LP	0	92	96	40	97
1	AMS	100	SG	3	LB A/A LP					
2	LIBERTY	1.67	E	0.36	LB A/A LP	0	88	95	58	98
2	AMS	100	SG	3	LB A/A LP					
3	LIBERTY	1.67	E	0.42	LB A/A LP	0	93	96	53	98
3	AMS	100	SG	3	LB A/A LP					
4	LIBERTY	1.67	E	0.31	LB A/A LP	0	93	96	58	99
4	CALLISTO	4	SC	0.031	LB A/A LP					
4	AMS	100	SG	3	LB A/A LP					
5	LIBERTY	1.67	E	0.31	LB A/A LP	0	90	95	42	98
5	CALLISTO	4	SC	0.047	LB A/A LP					
5	AMS	100	SG	3	LB A/A LP					
6	LIBERTY	1.67	E	0.31	LB A/A LP	0	94	97	50	97
6	CALLISTO	4	SC	0.063	LB A/A LP					
6	AMS	100	SG	3	LB A/A LP					
7	LIBERTY	1.67	E	0.31	LB A/A LP	0	94	97	83	98
7	AATREX	4	F	1	LB A/A LP					
7	AMS	100	SG	3	LB A/A LP					
8	LIBERTY	1.67	E	0.31	LB A/A LP	0	85	96	50	97
8	DISTINCT	70	WG	0.09	LB A/A LP					
8	AMS	100	SG	3	LB A/A LP					
9	LIBERTY	1.67	E	0.31	LB A/A LP	0	93	96	40	97
9	CALLISTO	4	SC	0.094	LB A/A LP					
9	AMS	100	SG	3	LB A/A LP					
10	CHECK UNTREATED					0	0	0	0	0
	LSD (P=.05)					0.0	8.4	2.9	31.7	2.6
	Standard Deviation					0.0	4.9	1.7	18.5	1.5
	CV					0.0	5.98	1.99	38.88	1.73

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

CORN POSTEMERGENCE LIBERTY SIGNALGRASS

Trial ID: C2020 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON **Trial Status:** COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 **Initiation Date:** 04-22-02
Country: USA
Unit: FT **Angle y-axis to North °:** 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	BRAPP SIGNALGRASS, BROADLEAF	BRACHIARIA PLATYPHYLLA (GRISEB.) NASH
2.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
3.	DIGSA CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.
4.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 04-24-02 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 60 F **Soil Moisture:** NORMAL **Emergence Date:** 05-05-02

SITE AND DESIGN

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

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

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CORN POSTEMERGENCE LIBERTY SIGNALGRASS

Trial ID: C2020 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A
Application Date: 05-31-02
Time of Day: 1:00
Application Method: SPRAY
Application Timing: LP
Applic. Placement: BROSOL
Air Temp., Unit: 74 F
% Relative Humidity: 72
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 74 F
Soil Moisture: ADEQUATE
% Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: ZEAMX LP
Stage Scale: V6
Height, Unit: 10 IN

WEED STAGE AT EACH APPLICATION

A
Weed 1 Code, Stage: BRAPP LP
Stage Scale: 2LF
Density, Unit: 3 IN
Weed 2 Code, Stage: SETFA LP
Stage Scale: 3LF
Density, Unit: 6 IN
Weed 3 Code, Stage: DIGSA LP
Stage Scale: 2LF
Density, Unit: 2 IN
Weed 4 Code, Stage: CHEAL LP
Stage Scale: 10LF
Density, Unit: 6 IN

CORN POSTEMERGENCE LIBERTY SIGNALGRASS

Trial ID: C2020
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	BRAPP	SETFA	DIGSA	CHEAL	BRAPP	SETFA	DIGSA	CHEAL
1	CHECK UNTREATED						0	0	0	0	0	0	0	0
2	BALANCE PRO	4 SC		0.059 LB	A/A PRE		0	100	100	100	0	100	100	98
2	AATREX	4 F		0.5 LB	A/A PRE									
2	OPTION	35 WG		0.066 LB	A/A MP									
2	MSO	L		0.75 QT/A	MP									
2	LIQUID N	L		2 QT/A	MP									
3	DEFINE	60 DF		0.375 LB	A/A PRE		0	100	100	100	0	100	100	97
3	AATREX	4 F		0.5 LB	A/A PRE									
3	OPTION	35 WG		0.066 LB	A/A MP									
3	MSO	L		0.75 QT/A	MP									
3	LIQUID N	L		2 QT/A	MP									
4	OPTION	35 WG		0.066 LB	A/A EP		0	100	100	98	0	100	100	98
4	MSO	L		0.75 QT/A	EP									
4	LIQUID N	L		2 QT/A	EP									
5	OPTION	35 WG		0.066 LB	A/A EP		0	99	99	99	0	98	98	95
5	DEFINE	60 DF		0.25 LB	A/A EP									
5	MSO	L		0.75 QT/A	EP									
5	LIQUID N	L		2 QT/A	EP									
6	OPTION	35 WG		0.066 LB	A/A EP		0	99	99	99	0	98	99	93
6	PROWL	3.3 EC		0.825 LB	A/A EP									
6	MSO	L		0.75 QT/A	EP									
6	LIQUID N	L		2 QT/A	EP									
7	OPTION	35 WG		0.066 LB	A/A MP		0	93	93	93	0	93	93	90
7	MSO	L		0.75 QT/A	MP									
7	LIQUID N	L		2 QT/A	MP									
8	OPTION	35 WG		0.066 LB	A/A MP		0	83	83	83	0	87	87	50
8	AATREX	4 F		0.5 LB	A/A MP									
8	MSO	L		0.75 QT/A	MP									
8	LIQUID N	L		2 QT/A	MP									

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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	BRAPP	SETFA	DIGSA	CHEAL	BRAPP	SETFA	DIGSA	CHEAL		
9 OPTION	35	WG	0.066	LB A/A	MP	0	88	88	88	57	0	92	92	70	87
9 CALLISTO	4	SC	0.047	LB A/A	MP										
9 MSO	L		0.75	QT/A	MP										
9 LIQUID N	L		2	QT/A	MP										
10 OPTION	35	WG	0.066	LB A/A	MP	0	83	83	83	53	0	87	87	63	85
10 CALLISTO	4	SC	0.066	LB A/A	MP										
10 MSO	L		0.75	QT/A	MP										
10 LIQUID N	L		2	QT/A	MP										
11 OPTION	35	WG	0.066	LB A/A	MP	0	96	96	96	96	0	96	96	60	96
11 CALLISTO	4	SC	0.047	LB A/A	MP										
11 AATREX	4	F	0.5	LB A/A	MP										
11 MSO	L		0.75	QT/A	MP										
11 LIQUID N	L		2	QT/A	MP										
12 OPTION	35	WG	0.066	LB A/A	MP	0	93	93	93	95	0	93	93	67	95
12 CALLISTO	4	SC	0.063	LB A/A	MP										
12 AATREX	4	F	0.5	LB A/A	MP										
12 MSO	L		0.75	QT/A	MP										
12 LIQUID N	L		2	QT/A	MP										
13 OPTION	35	WG	0.066	LB A/A	MP	0	95	95	95	75	0	95	95	87	90
13 BEACON	75	DF	0.019	LB A/A	MP										
13 MSO	L		0.75	QT/A	MP										
13 LIQUID N	L		2	QT/A	MP										
14 OPTION	35	WG	0.066	LB A/A	MP	0	96	96	96	83	0	96	96	87	87
14 BEACON	75	DF	0.037	LB A/A	MP										
14 MSO	L		0.75	QT/A	MP										
14 LIQUID N	L		2	QT/A	MP										
15 OPTION	35	WG	0.066	LB A/A	MP	0	95	95	95	95	0	95	95	77	95
15 DISTINCT	70	WG	0.088	LB A/A	MP										
15 MSO	L		0.75	QT/A	MP										
15 LIQUID N	L		2	QT/A	MP										

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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	BRAPP		SETFA	DIGSA	CHEAL	BRAPP		SETFA	DIGSA	CHEAL
Crop Code	ZEAMX					ZEAMX				
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
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg										
16 OPTION	35	WG	0.066	LB A/A	MP	0	92	92	92	93	0	92	92	63	93
16 DISTINCT	70	WG	0.175	LB A/A	MP										
16 MSO	L		0.75	QT/A	MP										
16 LIQUID N	L		2	QT/A	MP										
17 STEADFAST	75	WG	0.035	LB A/A	MP	0	94	94	88	72	0	94	94	70	75
17 MSO	L		0.75	QT/A	MP										
17 LIQUID N	L		2	QT/A	MP										
LSD (P=.05)			0.0			0.0	8.0	8.0	9.2	12.0	0.0	5.5	5.4	14.5	7.5
Standard Deviation			0.0			0.0	4.8	4.8	5.5	7.2	0.0	3.3	3.3	8.7	4.5
CV			0.0			0.0	5.41	5.41	6.22	8.81	0.0	3.74	3.66	11.71	5.2

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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	100	100	98	100
1	CHECK UNTREATED						0	0	0	0	0
2	BALANCE PRO	4 SC		0.059 LB	A/A PRE		0	100	100	98	100
2	AATREX	4 F		0.5 LB	A/A PRE						
2	OPTION	35 WG		0.066 LB	A/A MP						
2	MSO	L		0.75 QT/A	MP						
2	LIQUID N	L		2 QT/A	MP						
3	DEFINE	60 DF		0.375 LB	A/A PRE		0	100	100	97	100
3	AATREX	4 F		0.5 LB	A/A PRE						
3	OPTION	35 WG		0.066 LB	A/A MP						
3	MSO	L		0.75 QT/A	MP						
3	LIQUID N	L		2 QT/A	MP						
4	OPTION	35 WG		0.066 LB	A/A EP		0	100	100	98	98
4	MSO	L		0.75 QT/A	EP						
4	LIQUID N	L		2 QT/A	EP						
5	OPTION	35 WG		0.066 LB	A/A EP		0	98	98	95	98
5	DEFINE	60 DF		0.25 LB	A/A EP						
5	MSO	L		0.75 QT/A	EP						
5	LIQUID N	L		2 QT/A	EP						
6	OPTION	35 WG		0.066 LB	A/A EP		0	98	99	93	96
6	PROWL	3.3 EC		0.825 LB	A/A EP						
6	MSO	L		0.75 QT/A	EP						
6	LIQUID N	L		2 QT/A	EP						
7	OPTION	35 WG		0.066 LB	A/A MP		0	93	93	90	90
7	MSO	L		0.75 QT/A	MP						
7	LIQUID N	L		2 QT/A	MP						
8	OPTION	35 WG		0.066 LB	A/A MP		0	87	87	50	93
8	AATREX	4 F		0.5 LB	A/A MP						
8	MSO	L		0.75 QT/A	MP						
8	LIQUID N	L		2 QT/A	MP						

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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Rate Unit	Grow Stg					
9	OPTION	35	WG	0.066	LB	A/A	MP	0	92	92	70	87
9	CALLISTO	4	SC	0.047	LB	A/A	MP					
9	MSO	L		0.75	QT/A		MP					
9	LIQUID N	L		2	QT/A		MP					
10	OPTION	35	WG	0.066	LB	A/A	MP	0	87	87	63	85
10	CALLISTO	4	SC	0.066	LB	A/A	MP					
10	MSO	L		0.75	QT/A		MP					
10	LIQUID N	L		2	QT/A		MP					
11	OPTION	35	WG	0.066	LB	A/A	MP	0	96	96	60	96
11	CALLISTO	4	SC	0.047	LB	A/A	MP					
11	AATREX	4	F	0.5	LB	A/A	MP					
11	MSO	L		0.75	QT/A		MP					
11	LIQUID N	L		2	QT/A		MP					
12	OPTION	35	WG	0.066	LB	A/A	MP	0	93	93	67	95
12	CALLISTO	4	SC	0.063	LB	A/A	MP					
12	AATREX	4	F	0.5	LB	A/A	MP					
12	MSO	L		0.75	QT/A		MP					
12	LIQUID N	L		2	QT/A		MP					
13	OPTIQN	35	WG	0.066	LB	A/A	MP	0	95	95	87	90
13	BEACON	75	DF	0.019	LB	A/A	MP					
13	MSO	L		0.75	QT/A		MP					
13	LIQUID N	L		2	QT/A		MP					
14	OPTION	35	WG	0.066	LB	A/A	MP	0	96	96	87	87
14	BEACON	75	DF	0.037	LB	A/A	MP					
14	MSO	L		0.75	QT/A		MP					
14	LIQUID N	L		2	QT/A		MP					
15	OPTION	35	WG	0.066	LB	A/A	MP	0	95	95	77	95
15	DISTINCT	70	WG	0.088	LB	A/A	MP					
15	MSO	L		0.75	QT/A		MP					
15	LIQUID N	L		2	QT/A		MP					

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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form	Form	Rate	Unit	Grow					
		Conc	Type			Stg					
16	OPTION	35	WG	0.066	LB A/A	MP	0	92	92	63	93
16	DISTINCT	70	WG	0.175	LB A/A	MP					
16	MSO	L		0.75	QT/A	MP					
16	LIQUID N	L		2	QT/A	MP					
17	STEADFAST	75	WG	0.035	LB A/A	MP	0	94	94	70	75
17	MSO	L		0.75	QT/A	MP					
17	LIQUID N	L		2	QT/A	MP					
	LSD (P=.05)			0.0			0.0	5.5	5.4	14.5	7.5
	Standard Deviation			0.0			0.0	3.3	3.3	8.7	4.5
	CV			0.0			0.0	3.74	3.66	11.71	5.2

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON **Trial Status:** COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 **Initiation Date:** 04-22-02
Country: USA
Unit: FT **Angle y-axis to North °:** 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	BRAPP SIGNALGRASS, BROADLEAF	BRACHIARIA PLATYPHYLLA (GRISEB.) NASH
2.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
3.	DIGSA CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.
4.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 04-24-02 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 60 F **Soil Moisture:** NORMAL **Emergence Date:** 05-04-02

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	04-24-02	05-24-02	05-31-02
Time of Day:	10:00	10:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	56 F	68 F	74 F
% Relative Humidity:	67	63	72
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	60 F	67 F	74 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX EP	ZEAMX MP
Stage Scale:		V3	V4
Height, Unit:		10 IN	12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	BRAPP PRE	BRAPP EP	BRAPP MP
Stage Scale:		2LF	3LF
Density, Unit:		1 IN	3 IN
Weed 2 Code, Stage:	SETFA PRE	SETFA EP	SETFA MP
Stage Scale:		3LF	4LF
Density, Unit:		4 IN	6 IN
Weed 3 Code, Stage:	DIGSA PRE	DIGSA EP	DIGSA MP
Stage Scale:			2LF
Density, Unit:		1 IN	2 IN
Weed 4 Code, Stage:	CHEAL PRE	CHEAL EP	CHEAL MP
Stage Scale:		8LF	10LF
Density, Unit:		4 IN	6 IN

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE SIGNAL GRASS

Trial ID: C2021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg													
1 A12909	3.7	SE	1.835	LB A/A	PRE	0	100	100	100	100	92	0	97	100	95	67	82	77
1 GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
1 ACTIVATOR 90			0.25	% V/V	PRE													
2 A12909	3.7	SE	2.20	LB A/A	PRE	0	100	100	100	100	87	0	95	95	93	73	85	85
2 GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
2 ACTIVATOR 90			0.25	% V/V	PRE													
3 A12909	3.7	SE	1.835	LB A/A	PRE	0	100	100	100	100	95	0	85	95	98	88	95	77
3 TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE													
3 AMS	100	SG	1	% W/V	PRE													
4 A12909	3.7	SE	2.2	LB A/A	PRE	0	100	100	100	100	88	0	95	95	90	92	88	90
4 TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE													
4 AMS	100	SG	1	% W/V	PRE													
5 A12909	3.7	SE	1.835	LB A/A	PRE	0	100	100	100	100	93	0	95	100	95	92	92	90
5 GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
5 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
5 ACTIVATOR 90			0.25	% V/V	PRE													
6 A12909	3.7	SE	2.20	LB A/A	PRE	0	100	100	100	100	83	0	98	97	98	88	78	90
6 GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
6 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
6 ACTIVATOR 90			0.25	% V/V	PRE													
7 A12854	3.9	SE	2.46	LB A/A	PRE	0	100	100	100	100	97	0	98	98	95	87	95	93
7 GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
7 ACTIVATOR 90			0.25	% V/V	PRE													
8 A12854	3.9	SE	2.96	LB A/A	PRE	0	100	100	100	100	88	0	97	98	97	90	92	92
8 GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
8 ACTIVATOR 90			0.25	% V/V	PRE													
9 A12854	3.9	SE	2.46	LB A/A	PRE	0	100	100	100	100	92	0	97	97	98	93	92	95
9 TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE													
9 AMS	100	SG	1	% W/V	PRE													

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

NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	100	100	100	97	82	0	98	97	98	95	82	92
10	A12854	3.9	SE	2.96	LB A/A	PRE	0	100	100	100	97	82	0	98	97	98	95	82	92
10	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE													
10	AMS	100	SG	1	% W/V	PRE													
11	A12854	3.9	SE	2.46	LB A/A	PRE	0	98	98	100	100	82	0	97	97	98	93	82	77
11	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
11	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
11	ACTIVATOR 90			0.25	% V/V	PRE													
12	A12854	3.9	SE	2.96	LB A/A	PRE	0	100	100	100	100	70	0	95	98	97	95	77	90
12	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
12	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
12	ACTIVATOR 90			0.25	% V/V	PRE													
13	GF688	3.5	CS	2.19	LB A/A	PRE	0	100	100	100	100	87	0	97	98	97	95	87	88
13	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	PRE													
13	AMS	100	SG	1	% W/V	PRE													
14	FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	0	100	100	100	100	77	0	97	98	97	93	80	92
14	AMS	100	SG	1	% W/V	PRE													
15	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	100	100	100	80	0	95	97	97	85	77	90
15	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
15	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
15	ACTIVATOR 90			0.25	% V/V	PRE													
16	A12909	3.7	SE	1.835	LB A/A	PRE	0	100	100	100	100	88	0	98	98	97	93	85	93
16	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
16	AATREX	4	F	1.5	LB A/A	PRE													
16	ACTIVATOR 90			0.25	% V/V	PRE													
17	A12909	3.67	SE	2.20	LB A/A	PRE	0	100	100	100	100	90	0	98	100	100	97	85	90
17	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE													
17	AATREX	4	F	1.5	LB A/A	PRE													
17	ACTIVATOR 90			0.25	% V/V	PRE													
18	A12909	3.7	SE	1.835	LB A/A	PRE	0	100	100	100	97	87	0	92	95	100	92	87	87
18	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
18	COC		L	1	% V/V	PRE													

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

NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	AMBTR	STEME	TAROF	SETFA	CHEAL	AMBTR	XANST	TAROF	IPOHE		
19 A12909	3.7	SE	2.20	LB A/A	PRE	0	100	100	100	98	87	0	90	97	95	83	87	92
19 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
19 COC	L		1	% V/V	PRE													
20 A12854	3.9	SE	2.46	LB A/A	PRE	0	100	100	100	100	92	0	93	98	100	92	90	90
20 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
20 COC	L		1	% V/V	PRE													
21 A12854	3.9	SE	2.96	LB A/A	PRE	0	100	100	100	100	93	0	95	98	98	92	93	93
21 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE													
21 COC	L		1	% V/V	PRE													
22 CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	1.0	1.0	0.0	2.9	12.6	0.0	8.8	3.8	5.4	13.4	13.5	12.7
Standard Deviation						0.0	0.6	0.6	0.0	1.8	7.6	0.0	5.4	2.3	3.3	8.1	8.2	7.7
CV						0.0	0.65	0.65	0.0	1.86	9.17	0.0	5.89	2.47	3.53	9.5	9.93	9.1

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NO-TILL CORN STALKLAND

Trial ID: C2004
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Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	AMBTR	XANST	TAROF	IPOHE	
1	A12909	3.7	SE	1.835	LB A/A	PRE	0	92	92	85	67	82	77
1	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
1	ACTIVATOR 90			0.25	% V/V	PRE							
2	A12909	3.7	SE	2.20	LB A/A	PRE	0	72	92	90	73	85	75
2	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
2	ACTIVATOR 90			0.25	% V/V	PRE							
3	A12909	3.7	SE	1.835	LB A/A	PRE	0	73	92	93	88	95	73
3	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE							
3	AMS	100	SG	1	% W/V	PRE							
4	A12909	3.7	SE	2.2	LB A/A	PRE	0	83	92	87	85	88	85
4	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE							
4	AMS	100	SG	1	% W/V	PRE							
5	A12909	3.7	SE	1.835	LB A/A	PRE	0	90	93	90	90	92	83
5	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
5	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
5	ACTIVATOR 90			0.25	% V/V	PRE							
6	A12909	3.7	SE	2.20	LB A/A	PRE	0	83	90	92	87	78	87
6	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
6	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
6	ACTIVATOR 90			0.25	% V/V	PRE							
7	A12854	3.9	SE	2.46	LB A/A	PRE	0	92	92	92	83	95	88
7	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
7	ACTIVATOR 90			0.25	% V/V	PRE							
8	A12854	3.9	SE	2.96	LB A/A	PRE	0	88	95	92	83	92	87
8	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
8	ACTIVATOR 90			0.25	% V/V	PRE							
9	A12854	3.9	SE	2.46	LB A/A	PRE	0	92	92	92	90	92	90
9	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE							
9	AMS	100	SG	1	% W/V	PRE							

Dept. of Agronomy, Univ. of Ky
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NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg							
10	A12854	3.9	SE	2.96	LB A/A	PRE	0	93	93	92	92	82	90
10	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE							
10	AMS	100	SG	1	% W/V	PRE							
11	A12854	3.9	SE	2.46	LB A/A	PRE	0	88	93	92	88	82	77
11	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
11	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
11	ACTIVATOR 90			0.25	% V/V	PRE							
12	A12854	3.9	SE	2.96	LB A/A	PRE	0	90	90	93	93	77	83
12	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
12	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
12	ACTIVATOR 90			0.25	% V/V	PRE							
13	GF688	3.5	CS	2.19	LB A/A	PRE	0	82	93	90	90	87	73
13	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	PRE							
13	AMS	100	SG	1	% W/V	PRE							
14	FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	0	83	95	90	88	80	83
14	AMS	100	SG	1	% W/V	PRE							
15	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	83	95	92	83	77	82
15	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
15	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
15	ACTIVATOR 90			0.25	% V/V	PRE							
16	A12909	3.7	SE	1.835	LB A/A	PRE	0	95	93	90	90	85	85
16	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
16	AATREX	4	F	1.5	LB A/A	PRE							
16	ACTIVATOR 90			0.25	% V/V	PRE							
17	A12909	3.67	SE	2.20	LB A/A	PRE	0	92	95	93	92	85	83
17	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE							
17	AATREX	4	F	1.5	LB A/A	PRE							
17	ACTIVATOR 90			0.25	% V/V	PRE							
18	A12909	3.7	SE	1.835	LB A/A	PRE	0	83	90	92	88	87	85
18	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
18	COC		L	1	% V/V	PRE							

NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg							
19 A12909	3.7	SE	2.20	LB A/A	PRE	0	80	93	92	82	87	87
19 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
19 COC	L		1	% V/V	PRE							
20 A12854	3.9	SE	2.46	LB A/A	PRE	0	85	95	93	90	90	80
20 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
20 COC	L		1	% V/V	PRE							
21 A12854	3.9	SE	2.96	LB A/A	PRE	0	85	93	95	90	93	92
21 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE							
21 COC	L		1	% V/V	PRE							
22 CHECK UNTREATED						0	0	0	0	0	0	0
LSD (P=.05)						0.0	15.1	4.4	6.6	12.1	13.5	11.4
Standard Deviation						0.0	9.2	2.7	4.0	7.3	8.2	6.9
CV						0.0	11.16	3.03	4.61	8.91	9.93	8.7

NO-TILL CORN STALKLAND

Trial ID: C2004 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
 State/Prov.: KENTUCKY
 Postal Code: 40511 Initiation Date: 05-05-02
 Country: USA
 Unit: ft Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
5.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
6.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
7.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10RR
 Planting Date: 05-10-02 Planting Method: ROW
 Rate: 28000 S/A Depth: 1.5 IN
 Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
 Soil Temperature: 63 F Soil Moisture: NORMAL Emergence Date: 05-19-02

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
 Site Type: FIELD
 Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

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

NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

SOIL DESCRIPTION

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

A

Application Date: 05-10-02
 Time of Day: 2:00
 Application Method: SPRAY
 Application Timing: PRE
 Applic. Placement: BROSOI
 Air Temp., Unit: 56 F
 % Relative Humidity: 61
 Wind Velocity, Unit: 3 MPH
 Dew Presence (Y/N): N
 Soil Temp., Unit: 63 F
 Soil Moisture: ADEQUATE
 % Cloud Cover: 15

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA PRE
 Weed 2 Code, Stage: CHEAL PRE
 Weed 3 Code, Stage: AMBTR PRE
 Weed 4 Code, Stage: STEME PRE
 Weed 5 Code, Stage: XANST PRE
 Weed 6 Code, Stage: TAROF PRE
 Weed 7 Code, Stage: IPOHE PRE

NO-TILL CORN STALKLAND

Trial ID: C2004
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

NO-TILL CORN STALKLAND II

Trial ID: C2004-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	100	93	78	0	100	90	72	70
1	A12909	3.7	SE	1.835	LB A/A	PRE	0	100	93	78	0	100	90	72	70
1	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
1	ACTIVATOR 90			0.25	% V/V	PRE									
2	A12909	3.7	SE	2.20	LB A/A	PRE	0	100	93	67	0	100	92	67	60
2	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
2	ACTIVATOR 90			0.25	% V/V	PRE									
3	A12909	3.7	SE	1.835	LB A/A	PRE	0	100	87	67	0	100	85	70	60
3	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE									
3	AMS	100	SG	1	% W/V	PRE									
4	A12909	3.7	SE	2.2	LB A/A	PRE	0	100	82	68	0	100	85	75	57
4	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE									
4	AMS	100	SG	1	% W/V	PRE									
5	A12909	3.7	SE	1.835	LB A/A	PRE	0	100	95	88	0	100	80	77	68
5	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
5	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
5	ACTIVATOR 90			0.25	% V/V	PRE									
6	A12909	3.7	SE	2.20	LB A/A	PRE	0	100	95	82	0	100	88	80	57
6	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
6	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
6	ACTIVATOR 90			0.25	% V/V	PRE									
7	A12854	3.9	SE	2.46	LB A/A	PRE	0	100	95	85	0	100	95	87	50
7	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
7	ACTIVATOR 90			0.25	% V/V	PRE									
8	A12854	3.9	SE	2.96	LB A/A	PRE	0	100	98	93	0	100	95	93	60
8	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
8	ACTIVATOR 90			0.25	% V/V	PRE									
9	A12854	3.9	SE	2.46	LB A/A	PRE	0	100	75	67	0	100	92	83	63
9	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE									
9	AMS	100	SG	1	% W/V	PRE									

NO-TILL CORN STALKLAND II

Trial ID: C2004-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	POLPY	SETFA	AMBTR	POLPY	IPOHE		
10	A12854	3.9	SE	2.96	LB A/A	PRE	0	100	85	85	0	100	80	88	62
10	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE									
10	AMS	100	SG	1	% W/V	PRE									
11	A12854	3.9	SE	2.46	LB A/A	PRE	0	100	95	88	0	100	88	90	80
11	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
11	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
11	ACTIVATOR 90			0.25	% V/V	PRE									
12	A12854	3.9	SE	2.96	LB A/A	PRE	0	100	97	95	0	100	88	92	67
12	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
12	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
12	ACTIVATOR 90			0.25	% V/V	PRE									
13	GF688	3.5	CS	2.19	LB A/A	PRE	0	100	88	77	0	100	87	83	73
13	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	PRE									
13	AMS	100	SG	1	% W/V	PRE									
14	FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	0	100	95	93	0	100	90	93	75
14	AMS	100	SG	1	% W/V	PRE									
15	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	100	97	93	0	100	88	93	78
15	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
15	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
15	ACTIVATOR 90			0.25	% V/V	PRE									
16	A12909	3.7	SE	1.835	LB A/A	PRE	0	100	95	93	0	100	92	93	65
16	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
16	AATREX	4	F	1.5	LB A/A	PRE									
16	ACTIVATOR 90			0.25	% V/V	PRE									
17	A12909	3.67	SE	2.20	LB A/A	PRE	0	100	90	82	0	100	83	82	75
17	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE									
17	AATREX	4	F	1.5	LB A/A	PRE									
17	ACTIVATOR 90			0.25	% V/V	PRE									
18	A12909	3.7	SE	1.835	LB A/A	PRE	0	90	95	95	0	77	87	77	70
18	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
18	COC		L	1	% V/V	PRE									

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NO-TILL CORN STALKLAND II

Trial ID: C2004-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	POLPY	ZEAMX	SETFA	AMBTR	POLPY	IPOHE	
19 A12909	3.7	SE	2.20	LB A/A	PRE	0	90	88	83	0	83	85	87	70
19 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
19 COC	L		1	% V/V	PRE									
20 A12854	3.9	SE	2.46	LB A/A	PRE	0	100	95	87	0	93	82	83	80
20 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
20 COC	L		1	% V/V	PRE									
21 A12854	3.9	SE	2.96	LB A/A	PRE	0	100	92	90	0	100	90	88	72
21 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE									
21 COC	L		1	% V/V	PRE									
22 CHECK UNTREATED						0	0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	8.4	12.6	16.5	0.0	17.3	10.9	13.7	20.3
Standard Deviation						0.0	5.1	7.7	10.0	0.0	10.5	6.6	8.3	12.3
CV						0.0	5.39	8.75	12.49	0.0	11.22	7.88	10.42	19.16

NO-TILL CORN STALKLAND II

Trial ID: C2004-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	POLPY	IPOHE	
1	A12909	3.7	SE	1.835	LB A/A	PRE	0	88	80	72	73
1	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
1	ACTIVATOR 90			0.25	% V/V	PRE					
2	A12909	3.7	SE	2.20	LB A/A	PRE	0	93	82	60	73
2	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
2	ACTIVATOR 90			0.25	% V/V	PRE					
3	A12909	3.7	SE	1.835	LB A/A	PRE	0	92	77	70	75
3	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE					
3	AMS	100	SG	1	% W/V	PRE					
4	A12909	3.7	SE	2.2	LB A/A	PRE	0	87	80	73	68
4	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE					
4	AMS	100	SG	1	% W/V	PRE					
5	A12909	3.7	SE	1.835	LB A/A	PRE	0	85	70	67	60
5	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
5	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
5	ACTIVATOR 90			0.25	% V/V	PRE					
6	A12909	3.7	SE	2.20	LB A/A	PRE	0	87	68	80	67
6	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
6	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
6	ACTIVATOR 90			0.25	% V/V	PRE					
7	A12854	3.9	SE	2.46	LB A/A	PRE	0	92	83	87	67
7	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
7	ACTIVATOR 90			0.25	% V/V	PRE					
8	A12854	3.9	SE	2.96	LB A/A	PRE	0	92	87	90	75
8	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
8	ACTIVATOR 90			0.25	% V/V	PRE					
9	A12854	3.9	SE	2.46	LB A/A	PRE	0	85	85	83	73
9	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE					
9	AMS	100	SG	1	% W/V	PRE					

NO-TILL CORN STALKLAND II

Trial ID: C2004-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Rate	Grow Stg				
10	A12854	3.9	SE	2.96	LB A/A	PRE	0	92	67	88	67
10	TOUCHDOWN IQ	4	SL	0.75	LB A/A	PRE					
10	AMS	100	SG	1	% W/V	PRE					
11	A12854	3.9	SE	2.46	LB A/A	PRE	0	88	67	88	80
11	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
11	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
11	ACTIVATOR 90			0.25	% V/V	PRE					
12	A12854	3.9	SE	2.96	LB A/A	PRE	0	92	78	88	80
12	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
12	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
12	ACTIVATOR 90			0.25	% V/V	PRE					
13	GF688	3.5	CS	2.19	LB A/A	PRE	0	92	75	83	77
13	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	PRE					
13	AMS	100	SG	1	% W/V	PRE					
14	FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	0	87	90	90	83
14	AMS	100	SG	1	% W/V	PRE					
15	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	90	88	92	80
15	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
15	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
15	ACTIVATOR 90			0.25	% V/V	PRE					
16	A12909	3.7	SE	1.835	LB A/A	PRE	0	93	85	93	73
16	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
16	AATREX	4	F	1.5	LB A/A	PRE					
16	ACTIVATOR 90			0.25	% V/V	PRE					
17	A12909	3.67	SE	2.20	LB A/A	PRE	0	93	73	82	82
17	GRAMOXONE MAX	3	AS	0.623	LB A/A	PRE					
17	AATREX	4	F	1.5	LB A/A	PRE					
17	ACTIVATOR 90			0.25	% V/V	PRE					
18	A12909	3.7	SE	1.835	LB A/A	PRE	0	72	80	67	77
18	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
18	COC		L	1	% V/V	PRE					

NO-TILL CORN STALKLAND II

Trial ID: C2004-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	68	82	80	75
19	A12909	3.7	SE	2.20	LB A/A	PRE	0	68	82	80	75
19	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
19	COC		L	1	% V/V	PRE					
20	A12854	3.9	SE	2.46	LB A/A	PRE	0	80	63	83	87
20	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
20	COC		L	1	% V/V	PRE					
21	A12854	3.9	SE	2.96	LB A/A	PRE	0	93	73	88	80
21	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
21	COC		L	1	% V/V	PRE					
22	CHECK UNTREATED						0	0	0	0	0
	LSD (P=.05)						0.0	18.9	15.4	17.5	15.3
	Standard Deviation						0.0	11.5	9.3	10.6	9.3
	CV						0.0	13.72	12.55	13.65	12.96

NO-TILL CORN STALKLAND II

Trial ID: C2004-2 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
 State/Prov.: KENTUCKY
 Postal Code: 40511
 Country: USA
 Unit: ft Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	POLPY SMARTWEED, PENNSYLVANIA	POLYGONUM PENNSYLVANICUM L.
4.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10
 Planting Date: 05-10-02 Planting Method: ROW
 Rate: 28000 S/A Depth: 1.5 IN
 Row Spacing: 30 IN Seed Bed: MEDIUM/TRASHY
 Soil Temperature: 63 F Soil Moisture: NORMAL Emergence Date: 05-19-02

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
 Site Type: FIELD
 Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

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NO-TILL CORN STALKLAND II

Trial ID: C2004-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: IN

APPLICATION DESCRIPTION

A
Application Date: 05-10-02
Time of Day: 11:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 56 F
% Relative Humidity: 61
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 64 F
Soil Moisture: ADEQUATE
% Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A
Weed 1 Code, Stage: SETFA PRE
Weed 2 Code, Stage: AMBTR PRE
Weed 3 Code, Stage: POLPY PRE
Weed 4 Code, Stage: IPOHE PRE

NO-TILL CORN STALKLAND II

Trial ID: C2004-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	SETFA	AMBTR	CHEAL	STEME	ERICA	LACSE	SETFA	XANST	IPOHE	
Crop Code							ZEAMX			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	AMBTR	CHEAL	STEME	ERICA	LACSE	SETFA	XANST	IPOHE	
1 BALANCE PRO	4	SC	0.094	LB A/A	2WK	98	98	100	100	100	100	0	72	80	78
1 AATREX	4	F	0.5	LB A/A	2WK										
1 COC	L		1	QT/A	2WK										
1 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK										
2 BALANCE PRO	4	SC	0.094	LB A/A	2WK	100	100	100	100	100	100	0	85	80	75
2 DEFINE	60	DF	0.45	LB A/A	2WK										
2 AATREX	4	F	0.5	LB A/A	2WK										
2 COC	L		1	QT/A	2WK										
2 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK										
3 BALANCE PRO	4	SC	0.07	LB A/A	PRE	100	100	100	100	98	98	0	88	83	78
3 DEFINE	60	DF	0.375	LB A/A	PRE										
3 AATREX	4	F	0.5	LB A/A	PRE										
3 COC	L		1	QT/A	PRE										
3 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE										
4 BALANCE PRO	4	SC	0.07	LB A/A	PRE	98	98	100	100	100	100	0	92	92	87
4 AATREX	4	F	0.75	LB A/A	PRE										
4 PRINCEP	4	F	0.75	LB A/A	PRE										
4 COC	L		1	QT/A	PRE										
4 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE										
5 BALANCE PRO	4	SC	0.063	LB A/A	2WK	95	98	98	97	100	98	0	95	95	92
5 COC	L		1	QT/A	2WK										
5 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK										
5 LIBERTY	1.67	E	0.37	LB A/A	MP										
5 AATREX	4	F	1	LB A/A	MP										
5 AMS	L		3	LB A/A	MP										
6 BALANCE PRO	4	SC	0.047	LB A/A	PRE	100	100	97	100	100	97	0	95	93	90
6 GRAMOXONE MAX	3	AS	0.563	LB A/A	PRE										
6 COC	L		1	QT/A	PRE										
6 OPTION	35	WG	0.066	LB A/A	MP										
6 DISTINCT	70	WG	0.088	LB A/A	MP										
6 MSO	L		1.5	QT/A	MP										
6 LIQUID N	L		2	QT/A	MP										

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NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	AMBTR	CHEAL	STEME	ERICA	LACSE	ZEAMX	SETFA	XANST	IPOHE
Crop Code										
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	CHEAL	STEME	ERICA	LACSE	ZEAMX	SETFA	XANST	IPOHE
7 BALANCE PRO	4	SC	0.047	LB A/A	PRE	98	98	100	100	90	97	0	90	90	90
7 TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
7 AMS	L		2	% W/V	PRE										
7 OPTION	35	WG	0.066	LB A/A	MP										
7 DISTINCT	70	WG	0.088	LB A/A	MP										
7 MSO	L		1.5	QT/A	MP										
7 LIQUID N	L		2	QT/A	MP										
8 BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	100	100	100	100	100	97	0	93	92	87
8 TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
8 AMS	L		2	% W/V	PRE										
8 OPTION	35	WG	0.066	LB A/A	MP										
8 MSO	L		0.75	QT/A	MP										
8 LIQUID N	L		2	QT/A	MP										
9 DEGREE XTRA	4.04	CS	2.8	LB A/A	PRE	100	100	100	100	100	100	0	96	94	91
9 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE										
9 AMS	L		2	% W/V	PRE										
9 OPTION	35	WG	0.066	LB A/A	MP										
9 MSO	L		0.75	QT/A	MP										
9 LIQUID N	L		2	QT/A	MP										
10 BALANCE PRO	4	SC	0.07	LB A/A	PRE	100	98	100	98	77	92	0	78	75	70
10 COC	L		1	QT/A	PRE										
11 BALANCE PRO	4	SC	0.07	LB A/A	PRE	100	100	100	100	100	100	0	87	88	83
11 AATREX	4	F	1	LB A/A	PRE										
11 COC	L		1	QT/A	PRE										
12 BALANCE PRO	4	SC	0.094	LB A/A	PRE	100	100	98	100	87	83	0	83	85	78
12 COC	L		1	QT/A	PRE										
13 BALANCE PRO	4	SC	0.094	LB A/A	PRE	100	100	100	100	100	100	0	90	92	87
13 AATREX	4	F	1	LB A/A	PRE										
13 COC	L		1	QT/A	PRE										
14 BALANCE PRO	4	SC	0.07	LB A/A	PRE	100	100	100	100	100	100	0	78	88	85
14 COC	L		1	QT/A	PRE										
14 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE										

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Weed Science Field Research

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	SETFA	AMBTR	CHEAL	STEME	ERICA	LACSE	ZEAMX	SETFA	XANST	IPOHE
Crop Code										
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	BURNDOWN	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	AMBTR	CHEAL	STEME	ERICA	LACSE	ZEAMX	SETFA	XANST	IPOHE
LSD (P=.05)						2.9	2.4	3.2	2.8	8.5	6.9	0.0	8.2	9.6	11.4
Standard Deviation						1.7	1.4	1.9	1.7	5.1	4.1	0.0	4.9	5.7	6.8
CV						1.71	1.44	1.92	1.68	5.24	4.23	0.0	5.6	6.52	8.13

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

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	XANST	IPOHE	
1	BALANCE PRO	4	SC	0.094	LB A/A	2WK	0	72	80	78
1	AATREX	4	F	0.5	LB A/A	2WK				
1	COC		L	1	QT/A	2WK				
1	WEEDONE LV4	3.8	E	0.5	LB A/A	2WK				
2	BALANCE PRO	4	SC	0.094	LB A/A	2WK	0	85	80	75
2	DEFINE	60	DF	0.45	LB A/A	2WK				
2	AATREX	4	F	0.5	LB A/A	2WK				
2	COC		L	1	QT/A	2WK				
2	WEEDONE LV4	3.8	E	0.5	LB A/A	2WK				
3	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	88	83	78
3	DEFINE	60	DF	0.375	LB A/A	PRE				
3	AATREX	4	F	0.5	LB A/A	PRE				
3	COC		L	1	QT/A	PRE				
3	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE				
4	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	92	92	87
4	AATREX	4	F	0.75	LB A/A	PRE				
4	PRINCEP	4	F	0.75	LB A/A	PRE				
4	COC		L	1	QT/A	PRE				
4	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE				
5	BALANCE PRO	4	SC	0.063	LB A/A	2WK	0	95	95	92
5	COC		L	1	QT/A	2WK				
5	WEEDONE LV4	3.8	E	0.5	LB A/A	2WK				
5	LIBERTY	1.67	E	0.37	LB A/A	MP				
5	AATREX	4	F	1	LB A/A	MP				
5	AMS		L	3	LB A/A	MP				
6	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	95	93	90
6	GRAMOXONE MAX	3	AS	0.563	LB A/A	PRE				
6	COC		L	1	QT/A	PRE				
6	OPTION	35	WG	0.066	LB A/A	MP				
6	DISTINCT	70	WG	0.088	LB A/A	MP				
6	MSO		L	1.5	QT/A	MP				
6	LIQUID N		L	2	QT/A	MP				

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

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg				
7	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	90	90	90
7	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE				
7	AMS	L		2 %	W/V	PRE				
7	OPTION	35	WG	0.066	LB A/A	MP				
7	DISTINCT	70	WG	0.088	LB A/A	MP				
7	MSO	L		1.5	QT/A	MP				
7	LIQUID N	L		2	QT/A	MP				
8	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	93	92	87
8	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE				
8	AMS	L		2 %	W/V	PRE				
8	OPTION	35	WG	0.066	LB A/A	MP				
8	MSO	L		0.75	QT/A	MP				
8	LIQUID N	L		2	QT/A	MP				
9	DEGREE XTRA	4.04	CS	2.8	LB A/A	PRE	0	96	94	91
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
9	AMS	L		2 %	W/V	PRE				
9	OPTION	35	WG	0.066	LB A/A	MP				
9	MSO	L		0.75	QT/A	MP				
9	LIQUID N	L		2	QT/A	MP				
10	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	78	75	70
10	COC	L		1	QT/A	PRE				
11	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	87	88	83
11	AATREX	4	F	1	LB A/A	PRE				
11	COC	L		1	QT/A	PRE				
12	BALANCE PRO	4	SC	0.094	LB A/A	PRE	0	83	85	78
12	COC	L		1	QT/A	PRE				
13	BALANCE PRO	4	SC	0.094	LB A/A	PRE	0	90	92	87
13	AATREX	4	F	1	LB A/A	PRE				
13	COC	L		1	QT/A	PRE				
14	BALANCE PRO	4	SC	0.07	LB A/A	PRE	0	78	88	85
14	COC	L		1	QT/A	PRE				
14	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE				

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

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg
LSD (P=.05)			0.0		8.2 9.6 11.4
Standard Deviation			0.0		4.9 5.7 6.8
CV			0.0		5.6 6.52 8.13

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

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-01-02
Country: USA
Unit: FT Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
5.	ERICA HORSEWEED	ERIGERON CANADENSIS L.
6.	LACSE LETTUCE, PRICKLY	LACTUCA SERRIOLA L./TORN.
7.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM
8.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD Variety: PIONEER 34B28
Planting Date: 05-10-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-19-02

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 33 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

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

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	04-19-02	05-10-02	06-05-02
Time of Day:	10:00	2:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	PRE	MP
Applic. Placement:	BROSOI	BROSOI	BROFOL
Air Temp., Unit:	74 F	56 F	76 F
% Relative Humidity:	69	61	76
Wind Velocity, Unit:	4 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	69 F	64 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	20	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX 2WK	ZEAMX PRE	ZEAMX MP
Stage Scale:			5LF
Height, Unit:			8 IN

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA 2WK	SETFA PRE	SETFA MP
Stage Scale:			5LF
Density, Unit:			5 IN
Weed 2 Code, Stage:	AMBTR 2WK	AMBTR PRE	AMBTR MP
Stage Scale:			6LF
Density, Unit:			6 IN
Weed 3 Code, Stage:	CHEAL 2WK	CHEAL PRE	CHEAL MP
Stage Scale:			8LF
Density, Unit:			6 IN
Weed 4 Code, Stage:	STEME 2WK	STEME PRE	STEME MP
Stage Scale:			8LF
Density, Unit:			4 IN
Weed 5 Code, Stage:	ERICA 2WK	ERICA PRE	ERICA MP
Stage Scale:			6LF
Density, Unit:			5 IN
Weed 6 Code, Stage:	LACSE 2WK	LACSE PRE	LACSE MP
Stage Scale:			8LF
Density, Unit:			6 IN
Weed 7 Code, Stage:	XANST 2WK	XANST PRE	XANST MP
Stage Scale:			4LF
Density, Unit:			5 IN
Weed 8 Code, Stage:	IPOHE 2WK	IPOHE PRE	IPOHE MP
Stage Scale:			3LF
Density, Unit:			2 IN

NO-TILL CORN EARLY PREPLANT LIBERTY

Trial ID: C2007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

SOYBEAN POSTEMERGENCE

Trial ID: S2013
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg								
1 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	97	92	88	0	97	92	87
1 AMS	L		2.5 %	V/V LP									
2 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	98	97	96	0	98	97	93
2 AMS	L		2.5 %	V/V LP									
2 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A IFN									
2 AMS	L		2.5 %	V/V IFN									
3 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	98	95	93	0	98	95	92
3 AMPLIFY	84 W		0.015 LB	A/A LP									
3 AMS	L		2.5 %	V/V LP									
4 TOUCHDOWN IQ	4 SL		1 LB	A/A LP		0	97	92	90	0	97	92	90
4 AMS	L		2.5 %	V/V LP									
5 TOUCHDOWN IQ	4 SL		1 LB	A/A LP		0	98	95	95	0	98	95	92
5 AMS	L		2.5 %	V/V LP									
5 TOUCHDOWN IQ	4 SL		0.75 LB	A/A IFN									
5 AMS	L		2.5 %	V/V IFN									
6 GLYPHOMAX PLUS	4 SL		1 LB	A/A LP		0	93	87	87	0	93	87	85
6 AMS	L		1.5 %	V/V LP									
7 GLYPHOMAX PLUS	4 SL		1 LB	A/A LP		0	94	92	92	0	94	92	92
7 AMS	L		1.5 %	V/V LP									
7 GLYPHOMAX PLUS	4 SL		0.75 LB	A/A IFN									
7 AMS	L		1.5 %	V/V IFN									
8 VALOR	50 WG		0.031 LB	A/A PRE		0	97	93	90	0	97	93	90
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP									
9 VALOR	50 WG		0.047 LB	A/A PRE		0	97	95	93	0	97	95	93
9 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP									
10 VALOR	50 WG		0.063 LB	A/A PRE		0	98	97	94	0	98	97	93
10 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP									
11 VALOR	50 WG		0.078 LB	A/A PRE		0	97	96	96	0	97	96	95
11 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP									

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

SOYBEAN POSTEMERGENCE

Trial ID: S2013
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg								
12 FIRSTRATE	84 W		0.016 LB	A/A LP		0	97	93	93	0	97	93	92
12 GLYPHOMAX PLUS	4 SL		1 LB	A/A LP									
12 AMS	L		1.5 %	V/V LP									
LSD (P=.05)			0.0			0.0	3.1	3.3	4.9	0.0	3.1	3.3	6.2
Standard Deviation			0.0			0.0	1.9	1.9	2.9	0.0	1.9	1.9	3.6
CV			0.0			0.0	1.92	2.07	3.13	0.0	1.92	2.07	3.99

SOYBEAN POSTEMERGENCE

Trial ID: S2013 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-02-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-16-02 Planting Method: ROW
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

SOYBEAN POSTEMERGENCE

Trial ID: S2013 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
 Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	06-21-02	07-29-02
Time of Day:	10:00	1:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	76 F	82 F
% Relative Humidity:	65	67
Wind Velocity, Unit:	3 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	81 F	85 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA PRE	GLXMA LP
Height, Unit:	5 IN	8 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LP
Stage Scale:		3LF
Density, Unit:		5 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR LP
Stage Scale:		6LF
Density, Unit:		5 IN
Weed 3 Code, Stage:	IPOHE PRE	IPOHE LP
Stage Scale:		4LF
Density, Unit:		3 IN

SOYBEAN POSTEMERGENCE

Trial ID: S2013

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

	A	B
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:	20 IN	20 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

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

Timing of Postemergence Applications For Giant Ragweed Control
In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	AMBTR			CHEAL			AMBTR			CHEAL		
							GLXMA INJURY PERCENT 2 WEEK	CONTROL PERCENT 2 WEEK	CONTROL PERCENT 2 WEEK	GLXMA INJURY PERCENT 4 WEEK	CONTROL PERCENT 4 WEEK	CONTROL PERCENT 4 WEEK	GLXMA INJURY PERCENT 8 WEEK	CONTROL PERCENT 8 WEEK	CONTROL PERCENT 8 WEEK			
							P	P	P	P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg												
1	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		4"	0	99	99	0	77	95	0	17	92			
1	AMS	DG		17 LB/100	GAL	4"												
	1 WIDE ROW																	
2	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		8"	0	98	99	0	85	95	0	20	87			
2	AMS	DG		17 LB/100	GAL	8"												
	2 WIDE ROW																	
3	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		12"	0	99	95	0	95	85	0	90	65			
3	AMS	DG		17 LB/100	GAL	12"												
	3 WIDE ROW																	
4	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		4"	0	99	97	0	83	92	0	33	88			
4	AMS	DG		17 LB/100	GAL	4"												
	4 WIDE ROW																	
5	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		8"	0	99	97	0	82	92	0	47	90			
5	AMS	DG		17 LB/100	GAL	8"												
	5 WIDE ROW																	
6	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		12"	0	99	90	0	95	87	0	92	70			
6	AMS	DG		17 LB/100	GAL	12"												
	6 WIDE ROW																	
7	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		16"	0	99	97	0	98	93	0	95	82			
7	AMS	DG		17 LB/100	GAL	16"												
	7 WIDE ROW																	
8	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		12"	0	100	100	0	99	97	0	96	90			
8	AMS	DG		17 LB/100	GAL	12"												
8	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		As Needed												
8	AMS	DG		17 LB/100	GAL	As Needed												
	8 WIDE ROW																	
9	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		16"	0	99	99	0	99	94	0	97	82			
9	AMS	DG		17 LB/100	GAL	16"												
9	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		As Needed												
9	AMS	DG		17 LB/100	GAL	As Needed												
	9 WIDE ROW																	

Timing of Postemergence Applications For Giant Ragweed Control
In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg									
10 FIRSTRATE	84	WDG	0.3 OZ/A	4"	0	98	63	0	96	47	0	96	10
10 NIS		L	0.25 % V/V	4"									
10 LIQUID N (28%)		L	2.5 % V/V	4"									
10 WIDE ROW													
11 FIRSTRATE	84	WDG	0.3 OZ/A	8"	0	99	80	0	99	60	0	97	10
11 NIS		L	0.25 % V/V	8"									
11 LIQUID N (28%)		L	2.5 % V/V	8"									
11 WIDE ROW													
12 FIRSTRATE	84	WDG	0.3 OZ/A	12"	0	99	82	0	99	43	0	98	13
12 NIS		L	0.25 % V/V	12"									
12 LIQUID N (28%)		L	2.5 % V/V	12"									
12 WIDE ROW													
13 FIRSTRATE	84	WDG	0.3 OZ/A	16"	0	98	83	0	97	68	0	96	33
13 NIS		L	0.25 % V/V	16"									
13 LIQUID N (28%)		L	2.5 % V/V	16"									
13 WIDE ROW													
14 ROUNDUP ULTRAMAX	5	SL	26 OZ/A	4"	0	99	98	0	95	96	0	80	93
14 FIRSTRATE	84	WDG	0.3 OZ/A	4"									
14 AMS		DG	17 LB/100 GAL	4"									
14 WIDE ROW													
15 ROUNDUP ULTRAMAX	5	SL	26 OZ/A	8"	0	98	97	0	88	95	0	50	92
15 FIRSTRATE	84	WDG	0.3 OZ/A	8"									
15 AMS		DG	17 LB/100 GAL	8"									
15 WIDE ROW													
16 ROUNDUP ULTRAMAX	5	SL	26 OZ/A	12"	0	98	95	0	98	90	0	95	72
16 FIRSTRATE	84	WDG	0.3 OZ/A	12"									
16 AMS		DG	17 LB/100 GAL	12"									
16 WIDE ROW													
17 CHECK					0	0	0	0	0	0	0	0	0
17 WIDE ROW													

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

Timing of Postemergence Applications For Giant Ragweed Control

In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	AMBTR		CHEAL	AMBTR		CHEAL	AMBTR		CHEAL
							GLXMA	INJURY PERCENT	CONTROL PERCENT	GLXMA	INJURY PERCENT	CONTROL PERCENT	GLXMA	INJURY PERCENT	CONTROL PERCENT
							2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
							P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0
Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg									
18	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		4"	0	98	97	0	90	95	0	77	90
18	AMS	DG		17 LB/100		GAL 4"									
18	DRILLED														
19	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		8"	0	98	96	0	91	92	0	80	92
19	AMS	DG		17 LB/100		GAL 8"									
19	DRILLED														
20	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		12"	0	99	98	0	97	95	0	96	87
20	AMS	DG		17 LB/100		GAL 12"									
20	DRILLED														
21	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		4"	0	98	98	0	93	95	0	63	90
21	AMS	DG		17 LB/100		GAL 4"									
21	DRILLED														
22	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		8"	0	98	97	0	93	95	0	78	90
22	AMS	DG		17 LB/100		GAL 8"									
22	DRILLED														
23	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		12"	0	99	99	0	98	97	0	98	93
23	AMS	DG		17 LB/100		GAL 12"									
23	DRILLED														
24	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		16"	0	99	98	0	99	95	0	97	88
24	AMS	DG		17 LB/100		GAL 16"									
24	DRILLED														
25	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		12"	0	100	100	0	100	100	0	98	95
25	AMS	DG		17 LB/100		GAL 12"									
25	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		As Needed									
25	AMS	DG		17 LB/100		GAL As Needed									
25	DRILLED														
26	ROUNDUP ULTRAMAX	5 SL		26 OZ/A		16"	0	100	100	0	100	100	0	97	93
26	AMS	DG		17 LB/100		GAL 16"									
26	ROUNDUP ULTRAMAX	5 SL		20 OZ/A		As Needed									
26	AMS	DG		17 LB/100		GAL As Needed									
26	DRILLED														

Timing of Postemergence Applications For Giant Ragweed Control

In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	AMBTR			CHEAL			AMBTR			CHEAL		
	GLXMA			GLXMA			GLXMA			GLXMA		
	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK			
ARM Action Codes	P	P	P	P	P	P	P	P	P			
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0			

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg									
27 FIRSTRATE	84	WDG	0.3 OZ/A	4"	0	98	80	0	98	53	0	96	10
27 NIS		L	0.25 % V/V	4"									
27 LIQUID N (28%)		L	2.5 % V/V	4"									
27 DRILLED													
28 FIRSTRATE	84	WDG	0.3 OZ/A	8"	0	99	83	0	98	53	0	98	10
28 NIS		L	0.25 % V/V	8"									
28 LIQUID N (28%)		L	2.5 % V/V	8"									
28 DRILLED													
29 FIRSTRATE	84	WDG	0.3 OZ/A	12"	0	98	75	0	98	50	0	98	10
29 NIS		L	0.25 % V/V	12"									
29 LIQUID N (28%)		L	2.5 % V/V	12"									
29 DRILLED													
30 FIRSTRATE	84	WDG	0.3 OZ/A	16"	0	98	77	0	96	62	0	96	23
30 NIS		L	0.25 % V/V	16"									
30 LIQUID N (28%)		L	2.5 % V/V	16"									
30 DRILLED													
31 ROUNDUP ULTRAMAX	5	SL	26 OZ/A	4"	0	100	98	0	97	97	0	85	92
31 FIRSTRATE	84	WDG	0.3 OZ/A	4"									
31 AMS		DG	17 LB/100 GAL	4"									
31 DRILLED													
32 ROUNDUP ULTRAMAX	5	SL	26 OZ/A	8"	0	98	98	0	95	97	0	87	95
32 FIRSTRATE	84	WDG	0.3 OZ/A	8"									
32 AMS		DG	17 LB/100 GAL	8"									
32 DRILLED													
33 ROUNDUP ULTRAMAX	5	SL	26 OZ/A	12"	0	99	97	0	98	95	0	98	92
33 FIRSTRATE	84	WDG	0.3 OZ/A	12"									
33 AMS		DG	17 LB/100 GAL	12"									
33 DRILLED													
34 CHECK					0	0	0	0	0	0	0	0	0
34 DRILLED													

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

Timing of Postemergence Applications For Giant Ragweed Control

In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg					
LSD (P=.05)	0.0	1.4	6.2	0.0	3.9	8.9	0.0	7.7	10.8	
Standard Deviation	0.0	0.9	3.8	0.0	2.4	5.5	0.0	4.7	6.6	
CV	0.0	0.92	4.33	0.0	2.71	6.87	0.0	6.09	10.12	

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

Timing of Postemergence Applications For Giant Ragweed Control

In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Affiliation: UNIVERSITY OF KENTUCKY

Postal Code: 40546

Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON

Trial Status: COMPLETE

State/Prov.: KENTUCKY

Postal Code: 40511

Initiation Date: 04-29-02

Country: USA

Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code Common Name Scientific Name

1. AMBTR RAGWEED, GIANT AMBROSIA TRIFIDA L.

Crop 1: GLXMA SOYBEAN

Variety: ASGROW AG4403

Planting Date: 05-15-02

Planting Method: ROW

Rate: 280000 S/A

Depth: 1.25 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 65 F

Soil Moisture: NORMAL

Emergence Date: 05-25-02

Crop 2: GLXMA SOYBEAN

Variety: ASGROW AG4403

Planting Date: 05-15-02

Planting Method: DRILLED

Rate: 280000 S/A

Depth: 1.25 IN

Row Spacing: 7.5 IN

Seed Bed: MEDIUM

Soil Temperature: 65 F

Soil Moisture: NORMAL

Emergence Date: 05-25-02

SITE AND DESIGN

Plot Width, Unit: 10 FT

Plot Length, Unit: 44 FT

Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

Timing of Postemergence Applications For Giant Ragweed Control

In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

SOIL DESCRIPTION

% Sand: 5	% OM: 2.6	Texture: SILT LOAM
% Silt: 63	pH: 6.5	Soil Name: MAURY
% Clay: 32	CEC: 18	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	06-03-02	06-07-02	06-12-02	06-17-02
Time of Day:	10:00	11:00	2:00	1:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	4"	8"	12"	16"
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	78 F	67 F	76 F	65 F
% Relative Humidity:	69	75	76	62
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	2 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	77 F	74 F	77 F	71 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA 4"	GLXMA 8"	GLXMA 12"	GLXMA 16"
Height, Unit:	4 IN	8 IN	12 IN	16 IN
Crop 2 Code, Stage:	GLXMA 4"	GLXMA 8"	GLXMA 12"	GLXMA 16"
Height, Unit:	4 IN	8 IN	12 IN	16 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	AMBTR 4"	AMBTR 8"	AMBTR 12"	AMBTR 16"
Stage Scale:	2LF	3LF	4LF	5LF
Density, Unit:	3 IN	4 IN	5 IN	6 IN

Timing of Postemergence Applications For Giant Ragweed Control

In Roundup Ready Soybeans

Trial ID: S2014

Study Dir.: JIM MARTIN

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

SOYBEAN POSTEMERGENCE II

Trial ID: S2015
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	GLXMA	GLXMA	SETFA	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
Crop Code	INJURY	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	3 DAY	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	3 WEEK	3 WEEK	3 WEEK	3 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes													
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	CHEAL CONTROL PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	CHEAL CONTROL PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	CHEAL CONTROL PERCENT
1 PHOENIX	2 EC		0.15 LB	A/A MP		30	15	95	94	90	0	95	94	79	0	91	91	58
1 SELECT	2 EC		0.094 LB	A/A MP														
1 ACTIVATOR 90			0.125 %	V/V MP														
2 PHOENIX	2 EC		0.15 LB	A/A MP		35	13	94	94	91	0	94	94	70	0	90	90	28
2 SELECT	2 EC		0.094 LB	A/A MP														
2 ACTIVATOR 90			0.25 %	V/V MP														
3 PHOENIX	2 EC		0.15 LB	A/A MP		28	10	93	93	90	0	93	93	69	0	90	90	25
3 SELECT	2 EC		0.094 LB	A/A MP														
3 ACTIVATOR 90			0.125 %	V/V MP														
3 AMS	100 SG		2.5 LB	A/A MP														
4 PHOENIX	2 EC		0.15 LB	A/A MP		43	15	96	96	91	0	96	96	76	0	93	91	48
4 SELECT	2 EC		0.094 LB	A/A MP														
4 ACTIVATOR 90			0.25 %	V/V MP														
4 AMS	100 SG		2.5 LB	A/A MP														
5 PHOENIX	2 EC		0.15 LB	A/A MP		20	8	95	95	88	0	95	95	68	0	91	90	40
5 SELECT	2 EC		0.094 LB	A/A MP														
5 FIRSTRATE	84 W		0.016 LB	A/A MP														
5 ACTIVATOR 90			0.125 %	V/V MP														
5 AMS	100 SG		2.5 LB	A/A MP														
6 PHOENIX	2 EC		0.15 LB	A/A MP		33	10	96	96	91	0	96	96	73	0	91	91	46
6 SELECT	2 EC		0.094 LB	A/A MP														
6 FIRSTRATE	84 W		0.016 LB	A/A MP														
6 ACTIVATOR 90			0.25 %	V/V MP														
6 AMS	100 SG		2.5 LB	A/A MP														
7 FLEXSTAR	1.88 CS		0.19 LB	A/A MP		13	3	96	96	95	0	96	93	95	0	93	93	84
7 FUSION	2.66 EC		0.016 LB	A/A MP														
7 COC	L		1 QT/A	MP														
7 AMS	100 SG		2.5 LB	A/A MP														
8 SELECT	2 EC		0.094 LB	A/A MP		0	0	89	90	94	0	94	93	93	0	93	93	93
8 COC	L		1 QT/A	MP														
8 AMS	100 SG		2.5 LB	A/A MP														

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

SOYBEAN POSTEMERGENCE II

Trial ID: S2015
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	GLXMA	GLXMA	SETFA	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
Crop Code	INJURY	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	3 DAY	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	3 WEEK	3 WEEK	3 WEEK	3 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.													

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	CHEAL CONTROL PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	CHEAL CONTROL PERCENT
9 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	MP		0	0	94	94	93	0	95	95	94
9 AMS	100 SG		2 % V/V	MP										
10 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	MP		0	0	91	91	91	0	95	95	91
10 AMS	100 SG		2 % V/V	MP										
10 ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	IFN										
10 AMS	100 SG		2 % V/V	IFN										
11 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	MP		0	0	93	93	93	0	95	95	95
11 AMPLIFY	84 W		0.016 LB A/A	MP										
11 AMS	100 SG		2 % V/V	MP										
12 TOUCHDOWN IQ	4 SL		1 LB A/A	MP		0	0	91	91	90	0	95	95	93
12 AMS	100 SG		2 % V/V	MP										
13 TOUCHDOWN IQ	4 SL		1 LB A/A	MP		0	0	91	91	91	0	94	94	93
13 AMS	100 SG		2 % V/V	MP										
13 TOUCHDOWN IQ	4 SL		0.75 LB A/A	IFN										
13 AMS	100 SG		2 % V/V	IFN										
14 CHECK						0	0	0	0	0	0	0	0	0
LSD (P=.05)						8.5	4.6	3.0	3.0	4.9	0.0	2.2	3.3	7.3
Standard Deviation						5.9	3.2	2.1	2.1	3.5	0.0	1.6	2.3	5.1
CV						41.51	62.26	2.44	2.44	4.08	0.0	1.77	2.62	6.58

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

SOYBEAN POSTEMERGENCE II

Trial ID: S2015 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-02-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-16-02 Planting Method: ROW
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 72 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 18	Fert. Level: EXCELLENT

SOYBEAN POSTEMERGENCE II

Trial ID: S2015 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

APPLICATION DESCRIPTION

	A		B
Application Date:	06-04-02		06-25-02
Time of Day:	10:00		2:00
Application Method:	SPRAY		SPRAY
Application Timing:	MP		IFN
Applic. Placement:	BROFOL		BROFOL
Air Temp., Unit:	82 F		85 F
% Relative Humidity:	66		50
Wind Velocity, Unit:	4 MPH		3 MPH
Dew Presence (Y/N):	N		N
Soil Temp., Unit:	79 F		83 F
Soil Moisture:	ADEQUATE		ADEQUATE
% Cloud Cover:	10		10

CROP STAGE AT EACH APPLICATION

	A		B
Crop 1 Code, Stage:	GLXMA MP		GLXMA IFN
Height, Unit:	4 IN		8 IN

WEED STAGE AT EACH APPLICATION

	A		B
Weed 1 Code, Stage:	SETFA MP		SETFA IFN
Stage Scale:	3LF		1LF
Density, Unit:	3 IN		2 IN
Weed 2 Code, Stage:	XANST MP		XANST IFN
Stage Scale:	5LF		2LF
Density, Unit:	4 IN		2 IN
Weed 3 Code, Stage:	CHEAL MP		CHEAL IFN
Stage Scale:	6LF		4LF
Density, Unit:	4 IN		2 IN

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

SOYBEAN POSTEMERGENCE II

Trial ID: S2015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

SOYBEAN POSTEMERGENCE III

Trial ID: S2016 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	GLXMA	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	CHEAL
Crop Code	INJURY	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	3 DAY	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	3 WEEK	3 WEEK	3 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.													

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	CHEAL				
1	PHOENIX	2 EC		0.2 LB	A/A MP		23	13	95	93	93	0	95	95	95	0	92	88	67
1	FIRSTRATE	84 W		0.016 LB	A/A MP														
1	SELECT	2 EC		0.125 LB	A/A MP														
1	ACTIVATOR 90			0.25 %	V/V MP														
2	PHOENIX	2 EC		0.2 LB	A/A MP		20	7	95	95	95	0	95	95	95	0	93	92	70
2	FIRSTRATE	84 W		0.016 LB	A/A MP														
2	SELECT	2 EC		0.125 LB	A/A MP														
2	ACTIVATOR 90			0.25 %	V/V MP														
2	AMS	100 SG		2.5 LB	A/A MP														
3	FIRSTRATE	84 W		0.016 LB	A/A MP		0	0	92	87	93	0	93	95	92	0	77	82	57
3	COC	L		1 QT/A	MP														
3	AMS	100 SG		2.5 LB	A/A MP														
4	FLEXSTAR	1.88 CS		0.19 LB	A/A MP		17	7	95	95	95	0	95	95	95	0	92	92	83
4	FIRSTRATE	84 W		0.016 LB	A/A MP														
4	SELECT	2 EC		0.125 LB	A/A MP														
4	COC	L		1 QT/A	MP														
4	AMS	100 SG		2.5 LB	A/A MP														
5	SELECT	2 EC		0.125 LB	A/A EP		27	13	95	95	95	0	95	95	95	0	90	88	65
5	COC	L		1 QT/A	EP														
5	PHOENIX	2 EC		0.15 LB	A/A MP														
5	FIRSTRATE	84 W		0.016 LB	A/A MP														
5	ACTIVATOR 90			0.25 %	V/V MP														
6	SELECT	2 EC		0.125 LB	A/A EP		33	13	95	95	95	0	95	95	95	0	95	92	75
6	COC	L		1 QT/A	EP														
6	PHOENIX	2 EC		0.15 LB	A/A MP														
6	FIRSTRATE	84 W		0.016 LB	A/A MP														
6	ACTIVATOR 90			0.25 %	V/V MP														
6	AMS	100 SG		2.5 LB	A/A MP														
7	SELECT	2 EC		0.125 LB	A/A EP		17	10	95	87	87	0	95	95	90	0	90	93	50
7	COC	L		1 QT/A	EP														
7	FIRSTRATE	84 W		0.016 LB	A/A MP														
7	COC	L		0.96 QT/A	MP														
7	AMS	100 SG		2.5 LB	A/A MP														

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

SOYBEAN POSTEMERGENCE III

Trial ID: S2016
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	GLXMA	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	CHEAL
Crop Code	INJURY	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	3 DAY	1 WEEK	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	3 WEEK	3 WEEK	3 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.													

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg													
8 SELECT	2 EC		0.125 LB	A/A	EP	20	7	95	95	95	0	95	95	95	0	92	88	87
8 COC	L		1 QT/A		EP													
8 FLEXSTAR	1.88 CS		0.19 LB	A/A	MP													
8 FIRSTRATE	84 W		0.016 LB	A/A	MP													
8 COC	L		0.96 QT/A		MP													
8 AMS	100 SG		2.5 LB	A/A	MP													
9 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	0	93	85	85	0	95	92	95	0	92	72	83
9 AMS	100 SG		2 %	V/V	MP													
10 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	0	87	82	82	0	95	95	93	0	92	80	92
10 AMS	100 SG		2 %	V/V	MP													
10 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	IFN													
10 AMS	100 SG		2 %	V/V	IFN													
11 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	0	90	85	85	0	95	92	93	0	90	82	85
11 AMPLIFY	84 W		0.016 LB	A/A	MP													
11 AMS	100 SG		2 %	V/V	MP													
12 TOUCHDOWN IQ	4 SL		1 LB	A/A	MP	0	0	93	85	85	0	95	95	95	0	92	60	78
12 AMS	100 SG		2 %	V/V	MP													
13 TOUCHDOWN IQ	4 SL		1 LB	A/A	MP	0	0	93	88	90	0	95	95	93	0	92	93	92
13 AMS	100 SG		2 %	V/V	MP													
13 TOUCHDOWN IQ	4 SL		0.75 LB	A/A	IFN													
13 AMS	100 SG		2 %	V/V	IFN													
14 CHECK						0	0	0	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)			8.4	6.2	4.4	5.9	5.3	0.0	1.3	2.9	3.5	0.0	11.4	13.0	16.4			
Standard Deviation			5.0	3.7	2.6	3.5	3.1	0.0	0.8	1.7	2.1	0.0	6.8	7.7	9.7			
CV			44.93	74.12	3.05	4.24	3.74	0.0	0.88	1.94	2.42	0.0	8.08	9.81	13.87			

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

SOYBEAN POSTEMERGENCE III

Trial ID: S2016 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-14-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-16-02 Planting Method: DRILLED
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: MEDIUM
Soil Temperature: 72 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

% Sand: 5	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.5	Soil Name: MAURY
% Clay: 33	CEC: 18	Fert. Level: EXCELLENT

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

SOYBEAN POSTEMERGENCE III

Trial ID: S2016 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	06-04-02	06-05-02	06-25-02
Time of Day:	1:00	2:00	1:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	EP	MP	IFN
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	82 F	76 F	86 F
% Relative Humidity:	66	76	50
Wind Velocity, Unit:	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	79 F	79 F	82 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA EP	GLXMA MP	GLXMA
Height, Unit:	4 IN	4 IN	8 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA EP	SETFA MP	SETFA IFN
Stage Scale:	2LF	2LF	2LF
Density, Unit:	2 IN	2 IN	1 IN
Weed 2 Code, Stage:	AMBTR EP	AMBTR MP	AMBTR IFN
Stage Scale:	4LF	4LF	3LF
Density, Unit:	3 IN	3 IN	2 IN
Weed 3 Code, Stage:	IPOHE EP	IPOHE MP	IPOHE IFN
Stage Scale:	2LF	2LF	2LF
Density, Unit:	2 IN	2 IN	2 IN

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

SOYBEAN POSTEMERGENCE III

Trial ID: S2016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S2017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg										
1 FLEXSTAR	1.88	CS	0.352	LB A/A	MP	10	98	97	94	90	3	95	90	91	85
1 FUSION	2.66	EC	0.24	LB A/A	MP										
1 MSO		L		1 QT/A	MP										
2 BOUNDRY	7.8	EC	1.22	LB A/A	PRE	3	98	95	95	86	0	96	90	89	84
2 FLEXSTAR	1.88	CS	0.352	LB A/A	LP										
2 FUSION	2.66	EC	0.24	LB A/A	LP										
2 AMS		L		2 % V/V	LP										
3 BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	97	91	89	84	0	95	74	81	81
3 TOUCHDOWN IQ	4	SL	1	LB A/A	LP										
3 AMS		L		2.5 % V/V	LP										
4 TOUCHDOWN IQ	4	SL	1	LB A/A	LP	0	98	95	84	85	0	96	80	79	81
4 AMS		L		2.5 % V/V	LP										
5 TOUCHDOWN IQ	4	SL	1	LB A/A	LP	0	95	89	84	85	0	93	78	80	84
5 AMS		L		2.5 % V/V	LP										
5 TOUCHDOWN IQ	4	SL	0.75	LB A/A	IFN										
5 AMS		L		2.5 % V/V	IFN										
6 CANOPY XL						10	77	97	95	91	3	96	89	91	89
6 AUTHORITY	75	DF	0.147	LB A/A	PRE										
6 CLASSIC	25	DF	0.03	LB A/A	PRE										
6 SYNCHRONY STS	42	DF	0.007	LB A/A	MP										
6 FLEXSTAR	1.88	CS	0.235	LB A/A	MP										
6 ASSURE II	0.8	EC	0.055	LB A/A	MP										
6 COC		L		1 QT/A	MP										
6 AMS		L		2 % V/V	MP										
7 CANOPY XL						0	96	90	88	84	0	94	80	84	80
7 AUTHORITY	75	DF	0.147	LB A/A	PRE										
7 CLASSIC	25	DF	0.03	LB A/A	PRE										
7 BOUNDRY	7.8	EC	1.46	LB A/A	PRE										

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S2017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	GLXMA INJURY	SETFA CONTROL	AMBTR CONTROL	CHEAL CONTROL	IPOSS CONTROL	GLXMA INJURY	SETFA CONTROL	AMBTR CONTROL	CHEAL CONTROL	IPOSS CONTROL
8	CANOPY XL						0	99	96	91	91	0	95	84	88	85
8	AUTHORITY	75 DF		0.117 LB	A/A PRE											
8	CLASSIC	25 DF		0.023 LB	A/A PRE											
8	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP											
8	AMS	L		2.5 %	V/V LP											
9	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	97	93	90	85	0	94	74	83	81
9	AMS	L		2.5 %	V/V LP											
10	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	97	91	88	88	0	95	78	83	84
10	AMS	L		2.5 %	V/V LP											
10	ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A IFN											
10	AMS	L		2.5 %	V/V IFN											
11	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	98	97	91	90	0	94	86	86	86
11	AMPLIFY	84 W		0.015 LB	A/A LP											
11	AMS	L		2.5 %	V/V LP											
12	GLYPHOMAX PLUS	4 SL		1 LB	A/A LP		0	95	89	88	85	0	94	74	81	83
12	AMS	L		2.5 %	V/V LP											
13	GLYPHOMAX PLUS	4 SL		1 LB	A/A LP		0	97	97	96	93	0	93	94	93	90
13	FIRSTRATE	84 W		0.015 %	V/V LP											
13	AMS	L		1.5 %	V/V LP											
14	CHECK UNTREATED						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)				4.5			4.5	17.2	4.4	6.6	5.2	2.6	3.0	8.4	6.8	5.0
Standard Deviation				3.1			3.1	12.1	3.1	4.6	3.6	1.8	2.1	5.8	4.8	3.5
CV				195.23			13.6	3.52	5.53	4.44	508.39	2.36	7.66	6.03	4.46	

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S2017 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-29-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-16-02 Planting Method: ROW
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 72 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

% Sand: 5	% OM: 2.6	Texture: SILT LOAM
% Silt: 63	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 18	Fert. Level: EXCELLENT

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S2017 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-16-02	06-03-02	06-05-02
Time of Day:	10:00	1:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	65 F	78 F	76 F
% Relative Humidity:	73	69	76
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	72 F	77 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	30

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA PRE	GLXMA MP	GLXMA LP
Height, Unit:		5 IN	5 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA MP	SETFA LP
Stage Scale:		3LF	3LF
Density, Unit:		3 IN	3 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR MP	AMBTR LP
Stage Scale:		5LF	5LF
Density, Unit:		4 IN	4 IN
Weed 3 Code, Stage:	CHEAL PRE	CHEAL MP	CHEAL LP
Stage Scale:		6LF	6LF
Density, Unit:		4 IN	4 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS MP	IPOSS LP
Stage Scale:		3LF	3LF
Density, Unit:		2 IN	2 IN

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

SOYBEAN POSTEMERGENCE IV

Trial ID: S2017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

SOYBEAN POSTEMERGENCE V

Trial ID: S2013-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg									
1	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP		0	84	94	0	80	93	0	78	93
1	AMS		L	2.5 % V/V	LP										
2	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP		0	88	95	0	88	95	0	82	95
2	AMS		L	2.5 % V/V	LP										
2	ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	IFN										
2	AMS		L	2.5 % V/V	IFN										
3	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP		3	67	90	2	67	90	0	53	90
3	AMPLIFY	84	W	0.015 LB A/A	LP										
3	AMS		L	2.5 % V/V	LP										
4	TOUCHDOWN IQ	4	SL	1 LB A/A	LP		0	84	94	0	83	93	0	80	93
4	AMS		L	2.5 % V/V	LP										
5	TOUCHDOWN IQ	4	SL	1 LB A/A	LP		7	73	87	3	73	87	0	65	87
5	AMS		L	2.5 % V/V	LP										
5	TOUCHDOWN IQ	4	SL	0.75 LB A/A	IFN										
5	AMS		L	2.5 % V/V	IFN										
6	GLYPHOMAX PLUS	4	SL	1 LB A/A	LP		3	73	92	2	72	92	0	70	92
6	AMS		L	1.5 % V/V	LP										
7	GLYPHOMAX PLUS	4	SL	1 LB A/A	LP		3	80	92	2	80	92	0	82	92
7	AMS		L	1.5 % V/V	LP										
7	GLYPHOMAX PLUS	4	SL	0.75 LB A/A	IFN										
7	AMS		L	1.5 % V/V	IFN										
8	RESOURCE	0.86	EC	0.013 LB A/A	LP		3	93	92	2	93	92	0	90	92
8	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP										
8	AMS		L	1.5 % V/V	LP										
9	RESOURCE	0.86	EC	0.02 LB A/A	LP		13	92	95	7	92	95	0	88	95
9	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP										
9	AMS		L	1.5 % V/V	LP										
10	RESOURCE	0.86	EC	0.027 LB A/A	LP		10	93	93	5	92	93	0	93	93
10	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP										
10	AMS		L	1.5 % V/V	LP										

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Weed Science Field Research

SOYBEAN POSTEMERGENCE V

Trial ID: S2013-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA	IPOHE	AMBTR	GLXMA	IPOHE	AMBTR	GLXMA	IPOHE	AMBTR
11 PHOENIX	2	EC	0.063	LB	A/A LP	7	93	95	3	93	95	0	90	95
11 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A LP									
11 AMS	L		1.5	%	V/V LP									
12 FIRSTRATE	84	W	0.016	LB	A/A LP	3	63	85	2	63	85	0	63	85
12 GLYPHOMAX PLUS	4	SL	1	LB	A/A LP									
12 AMS	L		1.5	%	V/V LP									
LSD (P=.05)						10.6	16.8	8.0	5.3	16.6	7.7	0.0	21.0	7.7
Standard Deviation						6.3	9.9	4.7	3.1	9.8	4.6	0.0	12.4	4.6
CV						140.77	12.11	5.12	140.77	12.02	4.96	0.0	15.91	4.96

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

SOYBEAN POSTEMERGENCE V

Trial ID: S2013-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-02-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-16-02 Planting Method: ROW
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 72 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

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

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 18	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

SOYBEAN POSTEMERGENCE V

Trial ID: S2013-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION DESCRIPTION

A

Application Date: 06-17-02
Time of Day: 2:00
Application Method: SPRAY
Application Timing: LP
Applic. Placement: BROFOL
Air Temp., Unit: 65 F
% Relative Humidity: 62
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 71 F
Soil Moisture: ADEQUATE
% Cloud Cover: 15

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: GLXMA LP
Height, Unit: 5 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: IPOHE LP
Stage Scale: 2LF
Density, Unit: 2 IN
Weed 2 Code, Stage: AMBTR LP
Stage Scale: 4LF
Density, Unit: 4 IN

SOYBEAN POSTEMERGENCE V

Trial ID: S2013-2
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code Crop Code Rating Data Type Rating Unit Trt-Eval Interval ARM Action Codes # Subsamples, Dec.	SETFA				AMBTR				IPOLA			
	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
	P	P	P	P	P	P	P	P	P	P	P	P
	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	95	90	91	0	95	90	91	0	95	90	91
1 EXTREME	2.17	EC	0.814	LB A/A	2WK	0	95	90	91	0	95	90	91	0	95	90	91
1 ACTIVATOR 90			0.125	% V/V	2WK												
1 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP												
1 AMS	100	SG	2	% W/W	MP												
2 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	95	95	0	95	95	95	0	95	95	95
2 PROWL	3.3	EC	1.24	LB A/A	2WK												
2 AMS	100	SG	2	% W/W	2WK												
2 EXTREME	2.17	EC	0.814	LB A/A	EP												
2 ACTIVATOR 90			0.125	% V/V	EP												
3 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	86	86	0	95	86	86	0	95	86	86
3 SQUADRON	2.33	EC	0.583	LB A/A	2WK												
3 CONCLUDE XACT																	
3 STORM	4	EC	0.75	LB A/A	EP												
3 POAST	1.53	EC	0.38	LB A/A	EP												
3 COC		L	1	QT/A	EP												
4 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	91	90	0	95	91	90	0	95	91	90
4 PROWL	3.3	EC	1.24	LB A/A	2WK												
4 RAPTOR	1	E	0.031	LB A/A	EP												
4 ULTRA BLAZER	2	L	0.188	LB A/A	EP												
4 ACTIVATOR 90			0.25	% V/V	EP												
4 LIQUID N		L	1.5	QT/A	EP												
5 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	94	79	90	0	94	75	90	0	94	75	90
5 AMS	100	SG	2	% W/W	2WK												
6 BACKDRAFT	1.5	E	0.94	LB A/A	2WK	0	95	93	94	0	95	90	94	0	95	90	94
6 ACTIVATOR 90			0.125	% V/V	2WK												
6 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP												
6 AMS	100	SG	2	% W/W	MP												
7 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	94	93	0	95	94	93	0	95	94	93
7 AMS	100	SG	2	% W/W	2WK												
7 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	EP												
7 AMS	100	SG	2	% W/W	EP												

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.												

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	95	94	0	95	95	94	0	95	95	94
8	AMS	100	SG	2	% W/W	2WK												
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP												
8	AMS	100	SG	2	% W/W	MP												
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	95	93	0	95	95	93	0	95	95	93
9	AMS	100	SG	2	% W/W	2WK												
9	EXTREME	2.17	EC	0.814	LB A/A	EP												
9	ACTIVATOR 90			0.125	% V/V	EP												
10	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	95	93	0	95	95	93	0	95	95	93
10	PROWL H2O	3.8	CS	1.25	LB A/A	2WK												
10	EXTREME	2.17	EC	0.814	LB A/A	EP												
10	ACTIVATOR 90			0.125	% V/V	EP												
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	95	88	0	95	95	88	0	95	95	88
11	AMS	100	SG	2	% W/W	2WK												
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
11	AMS	100	SG	2	% W/W	LP												
12	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	5	95	93	91	3	95	93	91	0	95	93	91
12	AMS	100	SG	2	% W/W	2WK												
12	EXTREME	2.17	EC	0.814	LB A/A	MP												
12	ACTIVATOR 90			0.125	% V/V	MP												
13	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	95	90	76	0	95	90	75	0	95	90	75
13	AMS	100	SG	2	% W/W	2WK												
13	EXTREME	2.17	EC	0.814	LB A/A	LP												
13	ACTIVATOR 90			0.125	% V/V	LP												
14	PROWL H2O	3.8	CS	1.25	LB A/A	2WK	0	95	95	91	0	95	95	91	0	95	95	91
14	EXTREME	2.17	EC	0.814	LB A/A	2WK												
14	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP												
14	AMS	100	SG	2	% W/W	MP												
15	PROWL	3.3	EC	1.24	LB A/A	2WK	0	95	91	90	0	95	90	89	0	95	90	89
15	EXTREME	2.17	EC	0.814	LB A/A	2WK												
15	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP												
15	AMS	100	SG	2	% W/W	MP												

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Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	IPOLA	SETFA	AMBTR	IPOLA	SETFA	AMBTR	IPOLA		
							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
							INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT		
							2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	
							P	P	P	P	P	P	P	P	P	P	
							0	0	0	0	0	0	0	0	0	0	
Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg												
16 DISTINCT	70	WG	0.09	LB A/A	2WK	0	95	90	86	0	95	89	84	0	95	89	84
16 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	MP												
16 AMS	100	SG		2 % W/W	MP												
17 DISTINCT	70	WG	0.175	LB A/A	2WK	0	95	95	94	0	95	95	94	0	95	95	94
17 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	MP												
17 AMS	100	SG		2 % W/W	MP												
18 DISTINCT	70	WG	0.09	LB A/A	1WK	0	95	93	88	0	95	93	88	0	95	93	88
18 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	MP												
18 AMS	100	SG		2 % W/W	MP												
19 DISTINCT	70	WG	0.175	LB A/A	1WK	20	95	93	91	10	95	93	91	1	95	93	91
19 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	MP												
19 AMS	100	SG		2 % W/W	MP												
20 DISTINCT	70	WG	0.09	LB A/A	PRE	25	95	95	93	18	95	95	93	8	95	95	93
20 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	MP												
20 AMS	100	SG		2 % W/W	MP												
21 DISTINCT	70	WG	0.175	LB A/A	PRE	30	95	94	91	26	95	94	91	10	95	94	91
21 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	MP												
21 AMS	100	SG		2 % W/W	MP												
22 TOUCHDOWN IQ	4	SL		1 LB A/A	PRE	0	95	95	88	0	95	95	86	0	95	95	86
22 AMS	100	SG		2 % W/W	PRE												
22 TOUCHDOWN IQ	4	SL		1 LB A/A	LP												
22 AMS	100	SG		2 % W/W	LP												
23 TOUCHDOWN IQ	4	SL		1 LB A/A	PRE	0	95	95	93	0	95	95	93	0	95	95	93
23 BOUNDARY	7.8	EC		1.22 LB A/A	PRE												
23 TOUCHDOWN IQ	4	SL		1 LB A/A	LP												
23 AMS	100	SG		2 % W/W	LP												
24 TOUCHDOWN IQ	4	SL		1 LB A/A	PRE	10	95	95	96	5	95	95	96	0	95	95	96
24 BOUNDARY	7.8	EC		1.22 LB A/A	PRE												
24 FLEXSTAR	1.88	CS		0.352 LB A/A	LP												
24 FUSION	2.66	EC		0.249 LB A/A	LP												
24 MSO		L		1 QT/A	LP												

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.												

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg												
25 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	10	95	95	96	5	95	95	96	0	95	95	96
25 AMS	L		2.5 %	V/V	PRE												
25 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP												
25 AMPLIFY	84 W		0.16 LB	A/A	LP												
25 AMS	L		2.5 %	V/V	LP												
26 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	95	95	95	0	95	95	95	0	95	95	95
26 AIM	40 DF		0.008 LB	A/A	PRE												
26 AMS	L		2.5 %	V/V	PRE												
26 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP												
26 AMS	L		2.5 %	V/V	LP												
LSD (P=.05)			5.5			0.7	5.0	7.9	3.1	0.7	6.1	9.0	1.5	0.7	6.1	9.0	
Standard Deviation			3.9			0.5	3.5	5.6	2.2	0.5	4.3	6.3	1.1	0.5	4.3	6.3	
CV			100.96			0.52	3.81	6.16	85.56	0.52	4.65	6.99	151.21	0.52	4.65	6.99	

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-01-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA	SOYBEAN	Variety: ASGROW AG4403
Planting Date: 05-15-02	Planting Method: DRILLED	
Rate: 200000 S/A	Depth: 1.25 IN	
Row Spacing: 7.5 IN	Seed Bed: SMOOTH/TRASHY	
Soil Temperature: 62 F	Soil Moisture: NORMAL	Emergence Date: 05-25-02

SITE AND DESIGN

Plot Width, Unit: 5 FT	Plot Length, Unit: 33 FT	Reps: 4
Site Type: FIELD		
Tillage Type: NO-TILL	Study Design: RANDOMIZED COMPLETE BLOCK	

SOIL DESCRIPTION

% Sand: 3	% OM: 4	Texture: SILT LOAM
% Silt: 63	pH: 6.5	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	05-03-02	05-10-02	05-15-02	06-07-02	06-17-02	06-17-02
Time of Day:	10:00	11:00	1:00	11:00	10:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	1WK	PRE	EP	MP	LP
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	50 F	56 F	58 F	67 F	65 F	65 F
% Relative Humidity:	68	61	65	75	62	62
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH	3 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N	N	N
Soil Temp., Unit:	59 F	64 F	62 F	66 F	72 F	72 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20	15	20	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Code, Stage:	GLXMA 2WK	GLXMA 1WK	GLXMA PRE	GLXMA EP	GLXMA MP	GLXMA LP
Height, Unit:				6 IN	9 IN	9 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Code, Stage:	SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA EP	SETFA MP	SETFA LP
Stage Scale:				2LF	3LF	3LF
Density, Unit:				3 IN	5 IN	5 IN
Weed 2 Code, Stage:	AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR EP	AMBTR MP	AMBTR LP
Stage Scale:				2LF	4LF	4LF
Density, Unit:				4 IN	6 IN	6 IN
Weed 3 Code, Stage:	IPOLA 2WK	IPOLA 1WK	IPOLA PRE	IPOLA EP	IPOLA MP	IPOLA LP
Stage Scale:				2LF	3LF	3LF
Density, Unit:				2 IN	4 IN	4 IN

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S2018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

	A		B		C		D		E		F	
Appl. Equipment:	ATV		ATV		ATV		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	DG	8004	DG	8004	DG	8004	DG	8004	DG	8004	DG
Nozzle Spacing, Unit:	20	IN	20	IN	20	IN	20	IN	20	IN	20	IN
Boom Length, Unit:	5	FT	5	FT	5	FT	5	FT	5	FT	5	FT
Boom Height, Unit:	19	IN	19	IN	19	IN	20	IN	20	IN	20	IN
Ground Speed, Unit:	4	MPH	4	MPH	4	MPH	3.5	MPH	3.5	MPH	3.5	MPH
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	

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NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.												

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
1	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	94	90	0	95	94	90
1	BOUNDARY	7.8	EC	1.22	LB A/A	PRE								
1	AMS	L		2.5	% V/V	PRE								
1	TOUCHDOWN IQ	4	SL	1	LB A/A	LP								
1	AMS	L		2.5	% V/V	LP								
2	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	88	91	0	95	88	91
2	AMS	L		2.5	% V/V	PRE								
2	TOUCHDOWN IQ	4	SL	1	LB A/A	LP								
2	AMS	L		2.5	% V/V	LP								
3	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	83	86	0	95	83	86
3	BOUNDARY	7.8	EC	1.22	LB A/A	PRE								
3	AMS	L		2.5	% V/V	PRE								
3	FLEXSTAR	1.88	CS	0.353	LB A/A	LP								
3	MSO	L		1	QT/A	LP								
3	FUSION	2.66	EC	0.24	LB A/A	IFN								
3	MSO	L		1	QT/A	IFN								
4	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	88	92	0	95	88	92
4	AMS	L		2.5	% V/V	PRE								
4	FLEXSTAR	1.88	CS	0.353	LB A/A	LP								
4	FUSION	2.66	EC	0.24	LB A/A	LP								
4	MSO	L		1	QT/A	LP								
5	CANOPY XL						0	94	85	93	0	94	85	93
5	AUTHORITY	75	DF	0.117	LB A/A	PRE								
5	CLASSIC	25	DF	0.024	LB A/A	PRE								
5	GRAMOXONE MAX	3	AS	0.563	LB A/A	PRE								
5	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE								
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
5	AMS	L		2.5	% V/V	LP								
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	95	95	95	0	95	95	95
6	CLASSIC	25	DF	0.005	LB A/A	PRE								
6	AMS	L		2.5	% V/V	PRE								
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
6	AMS	L		2.5	% V/V	LP								

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
Crop Code	INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.												

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
7	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		0	95	95	94	0	95	95	94
7	SYNCHRONY STS	42 DF		0.007 LB A/A	PRE									
7	AMS	L		2.5 % V/V	PRE									
7	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP									
7	AMS	L		2.5 % V/V	LP									
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		0	95	95	94	0	95	95	94
8	HARMONY GT	75 DF		0.004 LB A/A	PRE									
8	AMS	L		2.5 % V/V	PRE									
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP									
8	AMS	L		2.5 % V/V	LP									
9	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		0	95	94	93	0	95	94	93
9	AMS	L		2.5 % V/V	PRE									
9	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP									
9	CLASSIC	25 DF		0.0052 LB A/A	LP									
9	AMS	L		2.5 % V/V	LP									
10	GLYPHOMAX PLUS	4 SL		1 LB A/A	PRE		0	95	95	91	0	95	95	91
10	AMS	L		2.5 % V/V	PRE									
10	GLYPHOMAX PLUS	4 SL		1 LB A/A	LP									
10	AMS	L		2.5 % V/V	LP									
11	GLYPHOMAX PLUS	4 SL		1 LB A/A	PRE		0	95	95	89	0	95	95	89
11	AIM	2 EC		0.004 LB A/A	PRE									
11	AMS	L		2.5 % V/V	PRE									
11	GLYPHOMAX PLUS	4 SL		1 LB A/A	LP									
11	AMS	L		2.5 % V/V	LP									
12	GLYPHOMAX PLUS	4 SL		1 LB A/A	PRE		3	95	93	90	3	95	93	90
12	AIM	2 EC		0.008 LB A/A	PRE									
12	AMS	L		2.5 % V/V	PRE									
12	GLYPHOMAX PLUS	4 SL		1 LB A/A	LP									
12	AMS	L		2.5 % V/V	LP									

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.												

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
13	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	95	90	78	0	95	90	78
13	AIM	2	EC	0.008	LB A/A	PRE								
13	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE								
13	AMS	L		2.5	% V/V	PRE								
13	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP								
13	AMS	L		2.5	% V/V	LP								
14	BOUNDARY	7.8	EC	2.19	LB A/A	PRE	0	95	94	89	0	95	94	89
14	AIM	2	EC	0.008	LB A/A	PRE								
14	COC	L		1	QT/A	PRE								
15	DOMAIN	60	DF	0.525	LB A/A	PRE	0	95	95	94	0	95	95	94
15	AIM	2	EC	0.008	LB A/A	PRE								
15	COC	L		1	QT/A	PRE								
16	GAUNTLET	70	DF	0.258	LB A/A	PRE	0	95	90	83	0	95	90	83
16	AIM	2	EC	0.008	LB A/A	PRE								
16	COC	L		1	QT/A	PRE								
17	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	95	90	89	0	95	90	89
17	AMS	L		2.5	% V/V	PRE								
17	VALOR	50	WG	0.031	LB A/A	LP								
17	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
18	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	95	93	89	0	95	93	89
18	AMS	L		2.5	% V/V	PRE								
18	VALOR	50	WG	0.047	LB A/A	LP								
18	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	5	95	95	95	5	95	95	95
19	AMS	L		2.5	% V/V	PRE								
19	PHOENIX	2	EC	0.2	LB A/A	LP								
19	FIRSTRATE	84	W	0.016	LB A/A	LP								
19	SELECT	2	EC	0.125	LB A/A	LP								
19	ACTIVATOR 90			0.25	% V/V	LP								

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	
							INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL	INJURY CONTROL CONTROL CONTROL					
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
							2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
							P	P	P	P	P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA	GLXMA	SETFA	AMBTR	IPOLA
20	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		10	95	95	90	10	95	95	90	10	95	95	90
20	AMS	L		2.5 % V/V	PRE													
20	PHOENIX	2 EC		0.2 LB A/A	LP													
20	FIRSTRATE	84 W		0.016 LB A/A	LP													
20	SELECT	2 EC		0.125 LB A/A	LP													
20	ACTIVATOR 90			0.25 % V/V	LP													
20	AMS	L		1 % V/V	LP													
21	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		9	95	95	92	9	95	95	92	9	95	95	92
21	AMS	L		2.5 % V/V	PRE													
21	EXTREME	2.17 EC		0.814 LB A/A	LP													
21	ACTIVATOR 90			0.125 % V/V	LP													
22	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		13	95	95	90	13	95	95	90	13	95	95	90
22	AMS	L		2.5 % V/V	PRE													
22	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
22	AMS	L		2.5 % V/V	LP													
23	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		3	95	93	92	3	95	93	92	3	95	93	92
23	AMS	L		2.5 % V/V	PRE													
23	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
23	AMPLIFY	84 W		0.16 LB A/A	LP													
23	AMS	L		2.5 % V/V	LP													
24	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		3	95	95	95	3	95	95	95	3	95	95	95
24	AMS	L		2.5 % V/V	PRE													
24	ROUNDUP ULTRAMAX	5 SL		1.5 LB A/A	LP													
24	AMS	L		2.5 % V/V	LP													
25	CHECK UNTREATED						8	95	94	91	8	95	94	91	8	95	94	91
26	CHECK UNTREATED						3	95	95	95	3	95	95	95	3	95	95	95
LSD (P=.05)							8.2	0.7	6.5	9.4	8.2	0.7	6.5	9.4	8.2	0.7	6.5	9.4
Standard Deviation							5.8	0.5	4.6	6.7	5.8	0.5	4.6	6.7	5.8	0.5	4.6	6.7
CV							279.85	0.52	5.0	7.36	279.85	0.52	5.0	7.36	279.85	0.52	5.0	7.36

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-01-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-15-02 Planting Method: DRILLED
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: NO-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 3 % OM: 4 Texture: SILT LOAM
% Silt: 63 pH: 6.5 Soil Name: LANTON
% Clay: 34 CEC: 25 Fert. Level: EXCELLENT

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-14-02	06-17-02
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LP
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	52 F	65 F
% Relative Humidity:	68	62
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	61 F	72 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA PRE	GLXMA LP
Height, Unit:		6 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA LP
Stage Scale:		3LF
Density, Unit:		5 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR LP
Stage Scale:		4LF
Density, Unit:		5 IN
Weed 3 Code, Stage:	IPOLA PRE	IPOLA LP
Stage Scale:		3LF
Density, Unit:		4 IN

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON

Trial ID: S2019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg												
1 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	99	99	99	0	95	95	84	0	95	95	88
1 AMS	L		2.5 % V/V	1WK													
1 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
1 AMS	L		2.5 % V/V	LP													
1 ROUNDUP ULTRAMAX	5 SL		0.78 LB A/A	REG													
1 AMS	L		2.5 % V/V	REG													
1 94B23																	
2 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	96	97	99	0	95	95	86	0	95	95	90
2 VALOR	50 WG		0.031 LB A/A	1WK													
2 AMS	L		2.5 % V/V	1WK													
2 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
2 AMS	L		2.5 % V/V	LP													
2 94B23																	
3 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	99	99	99	0	95	93	81	0	95	93	88
3 VALOR	50 WG		0.047 LB A/A	1WK													
3 AMS	L		2.5 % V/V	1WK													
3 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
3 AMS	L		2.5 % V/V	LP													
3 94B23																	
4 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	99	99	99	0	95	94	83	0	95	94	86
4 AUTHORITY	75 DF		0.094 LB A/A	1WK													
4 AMS	L		2.5 % V/V	1WK													
4 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
4 AMS	L		2.5 % V/V	LP													
4 94B23																	
5 EXTREME	2.17 EC		0.814 LB A/A	1WK		99	96	98	99	0	95	95	94	0	95	95	94
5 AMS	L		2.5 % V/V	1WK													
5 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
5 AMS	L		2.5 % V/V	LP													
5 94B23																	

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

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form	Form Conc	Rate	Grow Unit	Stg	SETFA	HPPVU	AMBTR	STEME	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE
6	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		100	100	100	100	0	95	94	85	0	95	94	89
6	AMS	L		2.5 % V/V	1WK													
6	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
6	AMS	L		2.5 % V/V	LP													
6	ROUNDUP ULTRAMAX	5 SL		0.78 LB A/A	REG													
6	AMS	L		2.5 % V/V	REG													
6	AG4403																	
7	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	98	97	99	0	95	95	78	0	95	95	80
7	VALOR	50 WG		0.031 LB A/A	1WK													
7	AMS	L		2.5 % V/V	1WK													
7	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
7	AMS	L		2.5 % V/V	LP													
7	AG4403																	
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	99	99	99	0	95	95	81	0	95	95	86
8	VALOR	50 WG		0.047 LB A/A	1WK													
8	AMS	L		2.5 % V/V	1WK													
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
8	AMS	L		2.5 % V/V	LP													
8	AG4403																	
9	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	99	99	99	0	95	93	88	0	95	93	89
9	AUTHORITY	75 DF		0.094 LB A/A	1WK													
9	AMS	L		2.5 % V/V	1WK													
9	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
9	AMS	L		2.5 % V/V	LP													
9	AG4403																	
10	EXTREME	2.17 EC		0.814 LB A/A	1WK		99	98	97	99	0	95	95	90	0	95	95	93
10	AMS	L		2.5 % V/V	1WK													
10	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
10	AMS	L		2.5 % V/V	LP													
10	AG4403																	

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

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	HPPVU	AMBTR	STEME	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE
11 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	96	94	99	0	95	95	83	0	95	95	86
11 AMS	L		2.5 % V/V	1WK													
11 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
11 AMS	L		2.5 % V/V	LP													
11 ROUNDUP ULTRAMAX	5 SL		0.78 LB A/A	REG													
11 AMS	L		2.5 % V/V	REG													
11 AG3903																	
12 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	99	99	99	0	95	95	81	0	95	95	85
12 VALOR	50 WG		0.031 LB A/A	1WK													
12 AMS	L		2.5 % V/V	1WK													
12 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
12 AMS	L		2.5 % V/V	LP													
12 AG3903																	
13 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	97	98	99	0	95	95	85	0	95	95	89
13 VALOR	50 WG		0.047 LB A/A	1WK													
13 AMS	L		2.5 % V/V	1WK													
13 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
13 AMS	L		2.5 % V/V	LP													
13 AG3903																	
14 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	98	97	99	0	95	95	94	0	95	95	94
14 AUTHORITY	75 DF		0.094 LB A/A	1WK													
14 AMS	L		2.5 % V/V	1WK													
14 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
14 AMS	L		2.5 % V/V	LP													
14 AG3903																	
15 EXTREME	2.17 EC		0.814 LB A/A	1WK		99	98	97	99	0	95	95	94	0	95	95	94
15 AMS	L		2.5 % V/V	1WK													
15 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
15 AMS	L		2.5 % V/V	LP													
15 AG3903																	
LSD (P=.05)			0.2			0.2	3.9	4.2	0.2	0.0	0.0	3.0	12.2	0.0	0.0	3.0	7.4
Standard Deviation			0.1			0.1	2.8	3.0	0.1	0.0	0.0	2.1	8.5	0.0	0.0	2.1	5.1
CV			0.15			0.15	2.81	3.04	0.15	0.0	0.0	2.19	9.96	0.0	0.0	2.19	5.81

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg				
1	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	95	88
1	AMS		L	2.5 %	V/V	1WK				
1	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
1	AMS		L	2.5 %	V/V	LP				
1	ROUNDUP ULTRAMAX	5	SL	0.78 LB	A/A	REG				
1	AMS		L	2.5 %	V/V	REG				
1	94B23									
2	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	95	90
2	VALOR	50	WG	0.031 LB	A/A	1WK				
2	AMS		L	2.5 %	V/V	1WK				
2	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
2	AMS		L	2.5 %	V/V	LP				
2	94B23									
3	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	93	88
3	VALOR	50	WG	0.047 LB	A/A	1WK				
3	AMS		L	2.5 %	V/V	1WK				
3	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
3	AMS		L	2.5 %	V/V	LP				
3	94B23									
4	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	94	86
4	AUTHORITY	75	DF	0.094 LB	A/A	1WK				
4	AMS		L	2.5 %	V/V	1WK				
4	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
4	AMS		L	2.5 %	V/V	LP				
4	94B23									
5	EXTREME	2.17	EC	0.814 LB	A/A	1WK	0	95	95	94
5	AMS		L	2.5 %	V/V	1WK				
5	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
5	AMS		L	2.5 %	V/V	LP				
5	94B23									

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	94	89
6	AMS		L	2.5	% V/V	LWK				
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
6	AMS		L	2.5	% V/V	LP				
6	ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG				
6	AMS		L	2.5	% V/V	REG				
6	AG4403									
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	95	80
7	VALOR	50	WG	0.031	LB A/A	LWK				
7	AMS		L	2.5	% V/V	LWK				
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
7	AMS		L	2.5	% V/V	LP				
7	AG4403									
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	95	86
8	VALOR	50	WG	0.047	LB A/A	LWK				
8	AMS		L	2.5	% V/V	LWK				
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
8	AMS		L	2.5	% V/V	LP				
8	AG4403									
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	93	89
9	AUTHORITY	75	DF	0.094	LB A/A	LWK				
9	AMS		L	2.5	% V/V	LWK				
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
9	AMS		L	2.5	% V/V	LP				
9	AG4403									
10	EXTREME	2.17	EC	0.814	LB A/A	LWK	0	95	95	93
10	AMS		L	2.5	% V/V	LWK				
10	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
10	AMS		L	2.5	% V/V	LP				
10	AG4403									

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
11	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	95	86
11	AMS	L		2.5 %	V/V	1WK				
11	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
11	AMS	L		2.5 %	V/V	LP				
11	ROUNDUP ULTRAMAX	5	SL	0.78 LB	A/A	REG				
11	AMS	L		2.5 %	V/V	REG				
11	AG3903									
12	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	95	85
12	VALOR	50	WG	0.031 LB	A/A	1WK				
12	AMS	L		2.5 %	V/V	1WK				
12	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
12	AMS	L		2.5 %	V/V	LP				
12	AG3903									
13	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	95	89
13	VALOR	50	WG	0.047 LB	A/A	1WK				
13	AMS	L		2.5 %	V/V	1WK				
13	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
13	AMS	L		2.5 %	V/V	LP				
13	AG3903									
14	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	1WK	0	95	95	94
14	AUTHORITY	75	DF	0.094 LB	A/A	1WK				
14	AMS	L		2.5 %	V/V	1WK				
14	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
14	AMS	L		2.5 %	V/V	LP				
14	AG3903									
15	EXTREME	2.17	EC	0.814 LB	A/A	1WK	0	95	95	94
15	AMS	L		2.5 %	V/V	1WK				
15	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
15	AMS	L		2.5 %	V/V	LP				
15	AG3903									
LSD (P=.05)				0.0	0.0	3.0	7.4			
Standard Deviation				0.0	0.0	2.1	5.1			
CV				0.0	0.0	2.19	5.81			

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

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-30-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	HPPVU MARESTAIL, COMMON	HIPPURIS VULGARIS L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
5.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: GLXMA SOYBEAN Variety: PIONEER 94B23
Planting Date: 05-15-02 Planting Method: DRILLED
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 7.25 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-24-02

Crop 2: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-15-02 Planting Method: DRILLED
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 7.25 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-24-02

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 3: GLXMA SOYBEAN Variety: ASGROW AG3903
 Planting Date: 05-15-02 Planting Method: DRILLED
 Rate: 190000 S/A Depth: 1.25 IN
 Row Spacing: 7.25 IN Seed Bed: SMOOTH/TRASHY
 Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-24-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
 Site Type: FIELD
 Tillage Type: NO-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 3	% OM: 4	Texture: SILT LOAM
% Silt: 63	pH: 6.5	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
 Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-15-02	06-17-02
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	1WK	LP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	58 F	65 F
% Relative Humidity:	65	62
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	62 F	72 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15

NO-TILL SOYBEAN POSTEMERGENCE

Trial ID: S2020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:	8	IN
Crop 2 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:	8	IN
Crop 3 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:	8	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA 1WK	SETFA LP
Stage Scale:	3LF	4LF
Density, Unit:	4	IN
Weed 2 Code, Stage:	HPPVU 1WK	HPPVU LP
Density, Unit:	3	IN
Weed 3 Code, Stage:	AMBTR 1WK	AMBTR LP
Stage Scale:	4LF	5LF
Density, Unit:	4	IN
Weed 4 Code, Stage:	STEME 1WK	STEME LP
Density, Unit:	3	IN
Weed 5 Code, Stage:	IPOHE 1WK	IPOHE LP
Stage Scale:	2LF	3LF
Density, Unit:	1	IN

APPLICATION EQUIPMENT

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

Dept. of Agronomy, Univ. of Ky
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CONVENTIONAL TILL SOYBEAN FULL SEASON

Trial ID: S2032 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE
Crop Code	GLXMA			GLXMA			GLYMX		
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	GLXMA INJURY	SETFA CONTROL	AMBTR CONTROL	IPOHE CONTROL	GLXMA INJURY	SETFA CONTROL	AMBTR CONTROL	IPOHE CONTROL	GLYMX INJURY	SETFA CONTROL	AMBTR CONTROL	IPOHE CONTROL
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	94	78	0	95	94	78	0	95	95	88
1	AMS	100	SG	2.5	% V/V	LWK												
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
1	AMS	100	SG	2.5	% V/V	LP												
1	ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG												
1	AMS	100	SG	2.5	% V/V	REG												
1	94B23																	
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	91	80	0	95	91	80	0	95	91	88
2	AMS	100	SG	2.5	% V/V	LWK												
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
2	AMPLIFY	84	W	0.032	LB A/A	LP												
2	AMS	100	SG	2.5	% V/V	LP												
2	94B23																	
3	GLYPHOMAX PLUS	4	SL	1	LB A/A	LWK	20	95	95	76	10	95	95	76	0	95	95	86
3	AMS	100	SG	2.5	% V/V	LWK												
3	EXTREME	2.17	EC	0.814	LB A/A	LP												
3	AMS		L	2.5	% V/V	LP												
3	94B23																	
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LWK	0	95	94	86	0	95	94	86	0	95	94	91
4	AMPLIFY	84	W	0.032	LB A/A	LWK												
4	AMS	100	SG	2.5	% V/V	LWK												
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
4	AMS	100	SG	2.5	% V/V	LP												
4	94B23																	
5	EXTREME	2.17	EC	0.814	LB A/A	LWK	0	95	94	90	0	95	94	90	0	95	95	93
5	AMS		L	2.5	% V/V	LWK												
5	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP												
5	AMS	100	SG	2.5	% V/V	LP												
5	94B23																	

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

CONVENTIONAL TILL SOYBEAN FULL SEASON

Trial ID: S2032 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE	GLYMX	SETFA	AMBTR	IPOHE	
							INJURY CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	
							2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	
							P	P	P	P	P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg													
6	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK		0	94	93	84	0	94	93	84	0	94	93	88	
6	AMS	100	SG	2.5 % V/V	1WK														
6	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP														
6	AMS	100	SG	2.5 % V/V	LP														
6	ROUNDUP ULTRAMAX	5	SL	0.78 LB A/A	REG														
6	AMS	100	SG	2.5 % V/V	REG														
6	AG4403																		
7	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK		0	95	95	89	0	95	95	89	0	95	95	93	
7	AMS	100	SG	2.5 % V/V	1WK														
7	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP														
7	AMPLIFY	84	W	0.032 LB A/A	LP														
7	AMS	100	SG	2.5 % V/V	LP														
7	AG4403																		
8	GLYPHOMAX PLUS	4	SL	1 LB A/A	1WK		28	95	90	80	20	95	90	80	8	95	91	88	
8	AMS	100	SG	2.5 % V/V	1WK														
8	EXTREME	2.17	EC	0.814 LB A/A	LP														
8	ACTIVATOR 90			0.25 % V/V	LP														
8	AG4403																		
9	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK		0	95	95	91	0	95	95	91	0	95	95	93	
9	AMPLIFY	84	W	0.032 LB A/A	1WK														
9	AMS	100	SG	2.5 % V/V	1WK														
9	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP														
9	AMS	100	SG	2.5 % V/V	LP														
9	AG4403																		
10	EXTREME	2.17	EC	0.814 LB A/A	1WK		0	95	95	90	0	95	95	90	0	95	95	91	
10	AMS		L	2.5 % V/V	1WK														
10	GLYPHOMAX PLUS	4	SL	1 LB A/A	LP														
10	AMS	100	SG	2.5 % V/V	LP														
10	AG4403																		

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CONVENTIONAL TILL SOYBEAN FULL SEASON

Trial ID: S2032 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLYMX	GLYMX	GLYMX	GLYMX	GLYMX	GLYMX
Rating Data Type	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT	INJURY PERCENT	CONTROL PERCENT	CONTROL PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P	P	P	P	P	P
ARM Action Codes	0	0	0	0	0	0	0	0	0	0	0	0
# Subsamples, Dec.												

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE	SETFA	AMBTR	IPOHE
11	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		0	95	95	91	0	95	95	91	0
11	AMS	100 SG		2.5 % V/V	1WK										
11	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP										
11	AMS	100 SG		2.5 % V/V	LP										
11	ROUNDUP ULTRAMAX	5 SL		0.78 LB A/A	REG										
11	AMS	100 SG		2.5 % V/V	REG										
11	AG3903														
12	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		0	95	95	94	0	95	95	94	0
12	AMS	100 SG		2.5 % V/V	1WK										
12	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP										
12	AMPLIFY	84 W		0.032 LB A/A	LP										
12	AMS	100 SG		2.5 % V/V	LP										
12	AG3903														
13	GLYPHOMAX PLUS	4 SL		1 LB A/A	1WK		0	95	91	80	0	95	91	80	0
13	AMS	100 SG		2.5 % V/V	1WK										
13	EXTREME	2.17 EC		0.814 LB A/A	LP										
13	AMS	L		2.5 % V/V	LP										
13	AG3903														
14	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		0	95	95	91	0	95	95	91	0
14	AMPLIFY	84 W		0.032 LB A/A	1WK										
14	AMS	100 SG		2.5 % V/V	1WK										
14	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP										
14	AMS	100 SG		2.5 % V/V	LP										
14	AG3903														
15	EXTREME	2.17 EC		0.814 LB A/A	1WK		0	95	93	88	0	95	93	88	0
15	ACTIVATOR 90			0.25 % V/V	1WK										
15	GLYPHOMAX PLUS	4 SL		1 LB A/A	LP										
15	AMS	100 SG		2.5 % V/V	LP										
15	AG3903														
LSD (P=.05)				1.8	0.9	4.6	9.5	0.0	0.9	4.6	9.5	3.5	0.9	3.6	5.0
Standard Deviation				1.3	0.6	3.2	6.7	0.0	0.6	3.2	6.7	2.5	0.6	2.5	3.5
CV				40.77	0.68	3.46	7.76	0.0	0.68	3.46	7.76	494.41	0.68	2.67	3.9

CONVENTIONAL TILL SOYBEAN FULL SEASON

Trial ID: S2032 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
 State/Prov.: KENTUCKY
 Postal Code: 40511 Initiation Date: 04-30-02
 Country: USA
 Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	IPOHE MORNINGGLORY, IVYLEAF IPOMOEA HEDERACEA (L.) JACQ.	

Crop 1: GLXMA SOYBEAN Variety: PIONEER 94B23
 Planting Date: 05-15-02 Planting Method: DRILLED
 Rate: 200000 S/A Depth: 1.25 IN
 Row Spacing: 7.5 IN Seed Bed: MEDIUM
 Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-25-02

Crop 2: GLXMA SOYBEAN Variety: ASGROW AG4403
 Planting Date: 05-15-02 Planting Method: DRILLED
 Rate: 200000 S/A Depth: 1.25 IN
 Row Spacing: 7.5 IN Seed Bed: MEDIUM
 Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-25-02

Crop 3: GLXMA SOYBEAN Variety: ASGROW AG3903
 Planting Date: 05-15-02 Planting Method: DRILLED
 Rate: 200000 S/A Depth: 1.25 IN
 Row Spacing: 7.5 IN Seed Bed: MEDIUM
 Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-25-02

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CONVENTIONAL TILL SOYBEAN FULL SEASON

Trial ID: S2032 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 3	% OM: 4	Texture: SILT LAOM
% Silt: 63	pH: 6.5	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-15-02	06-17-02
Time of Day:	2:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	1WK	LP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	58 F	65 F
% Relative Humidity:	65	62
Wind Velocity, Unit:	4 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	62 F	71 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:		5 IN
Crop 2 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:		5 IN
Crop 3 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:		5 IN

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CONVENTIONAL TILL SOYBEAN FULL SEASON

Trial ID: S2032 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA 1WK	SETFA LP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	AMBTR 1WK	AMBTR LP
Stage Scale:		4LF
Density, Unit:		4 IN
Weed 3 Code, Stage:	IPOHE 1WK	IPOHE LP
Stage Scale:		3LF
Density, Unit:		2 IN

APPLICATION EQUIPMENT

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

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	99	88	93	0	95	91	81	0	95	91	81
1	AMS	100	SG	2.5	% V/V	1WK											
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP											
1	AMS	100	SG	2.5	% V/V	LP											
1	ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG											
1	AMS	100	SG	2.5	% V/V	REG											
1	AG4403																
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	99	89	90	0	95	95	81	0	95	95	81
2	AMS	100	SG	2.5	% V/V	1WK											
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP											
2	AMPLIFY	84	W	0.032	LB A/A	LP											
2	AMS	100	SG	2.5	% V/V	LP											
2	AG4403																
3	GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK	99	90	89	0	95	94	78	0	95	94	78
3	AMS	100	SG	2.5	% V/V	1WK											
3	EXTREME	2.17	EC	0.814	LB A/A	LP											
3	AMS	L		2.5	% V/V	LP											
3	AG4403																
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	99	96	97	0	95	95	85	0	95	95	85
4	AMPLIFY	84	W	0.032	LB A/A	1WK											
4	AMS	100	SG	2.5	% V/V	1WK											
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP											
4	AMS	100	SG	2.5	% V/V	LP											
4	AG4403																
5	EXTREME	2.17	EC	0.814	LB A/A	1WK	99	90	90	0	95	88	91	0	95	88	91
5	AMS	L		2.5	% V/V	1WK											
5	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP											
5	AMS	100	SG	2.5	% V/V	LP											
5	AG4403																

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg											
6	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK	99	90	95	0	95	93	74	0	95	93	74
6	AMS	100 SG		2.5 %	V/V	1WK											
6	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP											
6	AMS	100 SG		2.5 %	V/V	LP											
6	ROUNDUP ULTRAMAX	5 SL		0.78 LB	A/A	REG											
6	AMS	100 SG		2.5 %	V/V	REG											
6	94B23																
7	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK	99	90	95	0	95	93	73	0	95	93	73
7	AMS	100 SG		2.5 %	V/V	1WK											
7	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP											
7	AMPLIFY	84 W		0.032 LB	A/A	LP											
7	AMS	100 SG		2.5 %	V/V	LP											
7	94B23																
8	GLYPHOMAX PLUS	4 SL		1 LB	A/A	1WK	99	89	96	5	95	90	66	3	95	90	66
8	AMS	100 SG		2.5 %	V/V	1WK											
8	EXTREME	2.17 EC		0.814 LB	A/A	LP											
8	AMS	L		2.5 %	V/V	LP											
8	94B23																
9	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK	99	96	97	0	95	95	78	0	95	95	78
9	AMPLIFY	84 W		0.032 LB	A/A	1WK											
9	AMS	100 SG		2.5 %	V/V	1WK											
9	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP											
9	AMS	100 SG		2.5 %	V/V	LP											
9	94B23																
10	EXTREME	2.17 EC		0.814 LB	A/A	1WK	98	83	95	0	95	86	86	0	95	86	86
10	AMS	L		2.5 %	V/V	1WK											
10	GLYPHOMAX PLUS	4 SL		1 LB	A/A	LP											
10	AMS	100 SG		2.5 %	V/V	LP											
10	94B23																

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE
							CONTROL PERCENT BURNDOWN	CONTROL PERCENT BURNDOWN	CONTROL PERCENT BURNDOWN	INJURY PERCENT 2 WEEK	CONTROL PERCENT 2 WEEK	CONTROL PERCENT 2 WEEK	CONTROL PERCENT 2 WEEK	INJURY PERCENT 4 WEEK	CONTROL PERCENT 4 WEEK	CONTROL PERCENT 4 WEEK	CONTROL PERCENT 4 WEEK
							P	P	P	P	P	P	P	P	P	P	P
							0	0	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	Form	Form	Rate	Unit	Grow	Stg											
11 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK		99	95	97	0	95	95	81	0	95	95	81
11 AMS	100	SG	2.5	% V/V	1WK												
11 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
11 AMS	100	SG	2.5	% V/V	LP												
11 ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG												
11 AMS	100	SG	2.5	% V/V	REG												
11 AG3903																	
12 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK		99	90	95	0	95	91	84	0	95	91	84
12 AMS	100	SG	2.5	% V/V	1WK												
12 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
12 AMPLIFY	84	W	0.032	LB A/A	LP												
12 AMS	100	SG	2.5	% V/V	LP												
12 AG3903																	
13 GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK		99	92	96	0	95	93	69	0	95	93	69
13 AMS	100	SG	2.5	% V/V	1WK												
13 EXTREME	2.17	EC	0.814	LB A/A	LP												
13 AMS	L		2.5	% V/V	LP												
13 AG3903																	
14 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK		99	95	97	0	95	93	74	0	95	93	74
14 AMPLIFY	84	W	0.032	LB A/A	1WK												
14 AMS	100	SG	2.5	% V/V	1WK												
14 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
14 AMS	100	SG	2.5	% V/V	LP												
14 AG3903																	
15 EXTREME	2.17	EC	0.814	LB A/A	1WK		99	83	94	0	95	91	85	0	95	91	85
15 AMS	L		2.5	% V/V	1WK												
15 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP												
15 AMS	100	SG	2.5	% V/V	LP												
15 AG3903																	
LSD (P=.05)							0.7	6.7	6.3	3.7	0.0	6.7	13.5	1.8	0.0	6.7	13.5
Standard Deviation							0.5	4.7	4.4	2.6	0.0	4.7	9.5	1.3	0.0	4.7	9.5
CV							0.52	5.16	4.7	774.6	0.0	5.08	11.96	774.6	0.0	5.08	11.96

MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form	Form	Rate	Grow				
		Conc	Type	Unit	Stg				
1	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK	0	95	91	88
1	AMS	100	SG	2.5 % V/V	1WK				
1	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP				
1	AMS	100	SG	2.5 % V/V	LP				
1	ROUNDUP ULTRAMAX	5	SL	0.78 LB A/A	REG				
1	AMS	100	SG	2.5 % V/V	REG				
1	AG4403								
2	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK	0	95	95	86
2	AMS	100	SG	2.5 % V/V	1WK				
2	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP				
2	AMPLIFY	84	W	0.032 LB A/A	LP				
2	AMS	100	SG	2.5 % V/V	LP				
2	AG4403								
3	GLYPHOMAX PLUS	4	SL	1 LB A/A	1WK	0	95	94	81
3	AMS	100	SG	2.5 % V/V	1WK				
3	EXTREME	2.17	EC	0.814 LB A/A	LP				
3	AMS		L	2.5 % V/V	LP				
3	AG4403								
4	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK	0	95	95	90
4	AMPLIFY	84	W	0.032 LB A/A	1WK				
4	AMS	100	SG	2.5 % V/V	1WK				
4	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP				
4	AMS	100	SG	2.5 % V/V	LP				
4	AG4403								
5	EXTREME	2.17	EC	0.814 LB A/A	1WK	0	95	90	91
5	AMS		L	2.5 % V/V	1WK				
5	GLYPHOMAX PLUS	4	SL	1 LB A/A	LP				
5	AMS	100	SG	2.5 % V/V	LP				
5	AG4403								

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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	93	81
6	AMS	100	SG	2.5	% V/V	1WK				
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
6	AMS	100	SG	2.5	% V/V	LP				
6	ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG				
6	AMS	100	SG	2.5	% V/V	REG				
6	94B23									
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	93	81
7	AMS	100	SG	2.5	% V/V	1WK				
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
7	AMPLIFY	84	W	0.032	LB A/A	LP				
7	AMS	100	SG	2.5	% V/V	LP				
7	94B23									
8	GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK	3	95	90	76
8	AMS	100	SG	2.5	% V/V	1WK				
8	EXTREME	2.17	EC	0.814	LB A/A	LP				
8	AMS		L	2.5	% V/V	LP				
8	94B23									
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	95	85
9	AMPLIFY	84	W	0.032	LB A/A	1WK				
9	AMS	100	SG	2.5	% V/V	1WK				
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
9	AMS	100	SG	2.5	% V/V	LP				
9	94B23									
10	EXTREME	2.17	EC	0.814	LB A/A	1WK	0	95	86	88
10	AMS		L	2.5	% V/V	1WK				
10	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP				
10	AMS	100	SG	2.5	% V/V	LP				
10	94B23									

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

MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	95	86
11	AMS	100	SG	2.5	% V/V	1WK				
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
11	AMS	100	SG	2.5	% V/V	LP				
11	ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG				
11	AMS	100	SG	2.5	% V/V	REG				
11	AG3903									
12	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	91	89
12	AMS	100	SG	2.5	% V/V	1WK				
12	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
12	AMPLIFY	84	W	0.032	LB A/A	LP				
12	AMS	100	SG	2.5	% V/V	LP				
12	AG3903									
13	GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK	0	95	93	78
13	AMS	100	SG	2.5	% V/V	1WK				
13	EXTREME	2.17	EC	0.814	LB A/A	LP				
13	AMS		L	2.5	% V/V	LP				
13	AG3903									
14	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	93	84
14	AMPLIFY	84	W	0.032	LB A/A	1WK				
14	AMS	100	SG	2.5	% V/V	1WK				
14	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
14	AMS	100	SG	2.5	% V/V	LP				
14	AG3903									
15	EXTREME	2.17	EC	0.814	LB A/A	1WK	0	95	91	88
15	AMS		L	2.5	% V/V	1WK				
15	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP				
15	AMS	100	SG	2.5	% V/V	LP				
15	AG3903									
LSD (P=.05)				1.8	0.0	6.5	8.0			
Standard Deviation				1.3	0.0	4.6	5.6			
CV				774.6	0.0	4.96	6.57			

Dept. of Agronomy, Univ. of Ky
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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-29-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10RR
Planting Date: 05-05-02 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-14-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 3	% OM: 4	Texture: SILT LOAM
% Silt: 63	pH: 6.4	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

Dept. of Agronomy, Univ. of Ky
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MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-08-02	06-05-02	06-05-02
Time of Day:	1:00	10:00	10:30
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	12C	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	70 F	76 F	76 F
% Relative Humidity:	77	76	76
Wind Velocity, Unit:	3 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	68 F	79 F	79 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15	15

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA 12C	SETFA LP
Stage Scale:		5LF	5LF
Density, Unit:		5 IN	5 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR 12C	AMBTR LP
Stage Scale:		6LF	6LF
Density, Unit:		5 IN	5 IN
Weed 3 Code, Stage:	CHEAL PRE	CHEAL 12C	CHEAL LP
Stage Scale:		8LF	8LF
Density, Unit:		5 IN	5 IN
Weed 4 Code, Stage:	IPOHE PRE	IPOHE 12C	IPOHE LP
Stage Scale:		3LF	3LF
Density, Unit:		3 IN	3 IN

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

MINIMUM TILL SOYBEAN FULL SEASON

Trial ID: S2031

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg												
1 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	97	96	99	0	95	93	71	0	95	93	71
1 AMS	100 SG		2.5 % V/V	1WK													
1 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
1 AMS	100 SG		2.5 % V/V	LP													
1 ROUNDUP ULTRAMAX	5 SL		0.78 LB A/A	REG													
1 AMS	100 SG		2.5 % V/V	REG													
1 94B23																	
2 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		100	100	100	100	0	95	95	90	0	95	95	90
2 AMS	100 SG		2.5 % V/V	1WK													
2 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
2 AMPLIFY	84 W		0.032 LB A/A	LP													
2 AMS	100 SG		2.5 % V/V	LP													
2 94B23																	
3 GLYPHOMAX PLUS	4 SL		1 LB A/A	1WK		100	99	97	100	10	95	95	85	5	95	95	85
3 AMS	100 SG		2.5 % V/V	1WK													
3 EXTREME	2.17 EC		0.814 LB A/A	LP													
3 AMS	L		2.5 % V/V	LP													
3 94B23																	
4 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		100	100	100	100	0	95	95	93	0	95	95	93
4 AMPLIFY	84 W		0.032 LB A/A	1WK													
4 AMS	100 SG		2.5 % V/V	1WK													
4 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
4 AMS	100 SG		2.5 % V/V	LP													
4 94B23																	
5 EXTREME	2.17 EC		0.814 LB A/A	1WK		100	99	97	100	0	95	95	85	0	95	95	85
5 AMS	L		2.5 % V/V	1WK													
5 GLYPHOMAX PLUS	4 SL		1 LB A/A	LP													
5 AMS	100 SG		2.5 % V/V	LP													
5 94B23																	

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	HPPVU	AMBTR	STEME	GLXMA	SETFA	AMBTR	IPOHE	GLXMA	SETFA	AMBTR	IPOHE
6 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	97	99	99	0	95	95	80	0	95	95	80
6 AMS	100 SG		2.5 % V/V	1WK													
6 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
6 AMS	100 SG		2.5 % V/V	LP													
6 ROUNDUP ULTRAMAX	5 SL		0.78 LB A/A	REG													
6 AMS	100 SG		2.5 % V/V	REG													
6 AG3903																	
7 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		99	97	98	99	0	95	95	88	0	95	95	88
7 AMS	100 SG		2.5 % V/V	1WK													
7 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
7 AMPLIFY	84 W		0.032 LB A/A	LP													
7 AMS	100 SG		2.5 % V/V	LP													
7 AG3903																	
8 GLYPHOMAX PLUS	4 SL		1 LB A/A	1WK		100	96	99	99	20	95	91	81	10	95	91	81
8 AMS	100 SG		2.5 % V/V	1WK													
8 EXTREME	2.17 EC		0.814 LB A/A	LP													
8 AMS	L		2.5 % V/V	LP													
8 AG3903																	
9 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK		100	100	100	100	0	95	95	85	0	95	95	85
9 AMPLIFY	84 W		0.032 LB A/A	1WK													
9 AMS	100 SG		2.5 % V/V	1WK													
9 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP													
9 AMS	100 SG		2.5 % V/V	LP													
9 AG3903																	
10 EXTREME	2.17 EC		0.814 LB A/A	1WK		100	97	99	100	0	95	95	93	0	95	95	93
10 AMS	L		2.5 % V/V	1WK													
10 GLYPHOMAX PLUS	4 SL		1 LB A/A	LP													
10 AMS	100 SG		2.5 % V/V	LP													
10 AG3903																	

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg												
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	100	100	100	100	0	95	93	84	0	95	93	84
11	AMS	100	SG	2.5	% V/V	1WK												
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
11	AMS	100	SG	2.5	% V/V	LP												
11	ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG												
11	AMS	100	SG	2.5	% V/V	REG												
11	AG4403																	
12	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	99	99	98	99	0	95	86	89	0	95	86	89
12	AMS	100	SG	2.5	% V/V	1WK												
12	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
12	AMPLIFY	84	W	0.032	LB A/A	LP												
12	AMS	100	SG	2.5	% V/V	LP												
12	AG4403																	
13	GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK	98	98	98	99	20	95	89	74	10	95	89	74
13	AMS	100	SG	2.5	% V/V	1WK												
13	EXTREME	2.17	EC	0.814	LB A/A	LP												
13	AMS		L	2.5	% V/V	LP												
13	AG4403																	
14	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	99	99	99	99	0	95	95	86	0	95	95	86
14	AMPLIFY	84	W	0.032	LB A/A	1WK												
14	AMS	100	SG	2.5	% V/V	1WK												
14	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP												
14	AMS	100	SG	2.5	% V/V	LP												
14	AG4403																	
15	EXTREME	2.17	EC	0.814	LB A/A	1WK	99	98	99	99	0	95	94	94	0	95	94	94
15	AMS		L	2.5	% V/V	1WK												
15	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP												
15	AMS	100	SG	2.5	% V/V	LP												
15	AG4403																	
LSD (P=.05)							1.1	3.9	3.4	0.7	0.0	0.0	5.2	12.2	0.0	0.0	5.2	12.2
Standard Deviation							0.8	2.7	2.4	0.5	0.0	0.0	3.7	8.6	0.0	0.0	3.7	8.6
CV							0.76	2.79	2.42	0.47	0.0	0.0	3.92	10.06	0.0	0.0	3.92	10.06

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	93	81
1 AMS	100	SG	2.5	% V/V	1WK				
1 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
1 AMS	100	SG	2.5	% V/V	LP				
1 ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG				
1 AMS	100	SG	2.5	% V/V	REG				
1 94B23									
2 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	95	91
2 AMS	100	SG	2.5	% V/V	1WK				
2 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
2 AMPLIFY	84	W	0.032	LB A/A	LP				
2 AMS	100	SG	2.5	% V/V	LP				
2 94B23									
3 GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK	0	95	95	86
3 AMS	100	SG	2.5	% V/V	1WK				
3 EXTREME	2.17	EC	0.814	LB A/A	LP				
3 AMS		L	2.5	% V/V	LP				
3 94B23									
4 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	95	93
4 AMPLIFY	84	W	0.032	LB A/A	1WK				
4 AMS	100	SG	2.5	% V/V	1WK				
4 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
4 AMS	100	SG	2.5	% V/V	LP				
4 94B23									
5 EXTREME	2.17	EC	0.814	LB A/A	1WK	0	95	95	89
5 AMS		L	2.5	% V/V	1WK				
5 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP				
5 AMS	100	SG	2.5	% V/V	LP				
5 94B23									

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
6	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK	0	95	95	85	
6	AMS	100	SG	2.5 % V/V	1WK					
6	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP					
6	AMS	100	SG	2.5 % V/V	LP					
6	ROUNDUP ULTRAMAX	5	SL	0.78 LB A/A	REG					
6	AMS	100	SG	2.5 % V/V	REG					
6	AG3903									
7	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK	0	95	95	88	
7	AMS	100	SG	2.5 % V/V	1WK					
7	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP					
7	AMPLIFY	84	W	0.032 LB A/A	LP					
7	AMS	100	SG	2.5 % V/V	LP					
7	AG3903									
8	GLYPHOMAX PLUS	4	SL	1 LB A/A	1WK	0	95	93	85	
8	AMS	100	SG	2.5 % V/V	1WK					
8	EXTREME	2.17	EC	0.814 LB A/A	LP					
8	AMS		L	2.5 % V/V	LP					
8	AG3903									
9	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	1WK	0	95	95	88	
9	AMPLIFY	84	W	0.032 LB A/A	1WK					
9	AMS	100	SG	2.5 % V/V	1WK					
9	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	LP					
9	AMS	100	SG	2.5 % V/V	LP					
9	AG3903									
10	EXTREME	2.17	EC	0.814 LB A/A	1WK	0	95	95	93	
10	AMS		L	2.5 % V/V	1WK					
10	GLYPHOMAX PLUS	4	SL	1 LB A/A	LP					
10	AMS	100	SG	2.5 % V/V	LP					
10	AG3903									

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
11 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	93	89
11 AMS	100	SG	2.5	% V/V	1WK				
11 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
11 AMS	100	SG	2.5	% V/V	LP				
11 ROUNDUP ULTRAMAX	5	SL	0.78	LB A/A	REG				
11 AMS	100	SG	2.5	% V/V	REG				
11 AG4403									
12 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	88	91
12 AMS	100	SG	2.5	% V/V	1WK				
12 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
12 AMPLIFY	84	W	0.032	LB A/A	LP				
12 AMS	100	SG	2.5	% V/V	LP				
12 AG4403									
13 GLYPHOMAX PLUS	4	SL	1	LB A/A	1WK	3	95	89	84
13 AMS	100	SG	2.5	% V/V	1WK				
13 EXTREME	2.17	EC	0.814	LB A/A	LP				
13 AMS		L	2.5	% V/V	LP				
13 AG4403									
14 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK	0	95	95	89
14 AMPLIFY	84	W	0.032	LB A/A	1WK				
14 AMS	100	SG	2.5	% V/V	1WK				
14 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
14 AMS	100	SG	2.5	% V/V	LP				
14 AG4403									
15 EXTREME	2.17	EC	0.814	LB A/A	1WK	0	95	94	94
15 AMS		L	2.5	% V/V	1WK				
15 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP				
15 AMS	100	SG	2.5	% V/V	LP				
15 AG4403									

LSD (P=.05)	1.8	0.0	4.8	7.0
Standard Deviation	1.3	0.0	3.3	4.9
CV	774.6	0.0	3.56	5.59

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Affiliation: UNIVERSITY OF KENTUCKY

Postal Code: 40546

Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON

Trial Status: COMPLETE

State/Prov.: KENTUCKY

Postal Code: 40511

Initiation Date: 04-30-02

Country: USA

Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	HPPVU MARESTAIL, COMMON	HIPPURIS VULGARIS L.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
5.	IPOHE MORNINGGLORY, IVYLEAF IPOMOEA HEDERACEA (L.) JACQ.	

Crop 1: GLXMA SOYBEAN

Variety: PIONEER 94B23

Planting Date: 05-15-02

Planting Method: DRILLED

Rate: 190000 S/A

Depth: 1.25 IN

Row Spacing: 7.25 IN

Seed Bed: SMOOTH/TRASHY

Soil Temperature: 62 F

Soil Moisture: NORMAL

Emergence Date: 05-24-02

Crop 2: GLXMA SOYBEAN

Variety: ASGROW AG4403

Planting Date: 05-15-02

Planting Method: DRILLED

Rate: 190000 S/A

Depth: 1.25 IN

Row Spacing: 7.25 IN

Seed Bed: SMOOTH/TRASHY

Soil Temperature: 62 F

Soil Moisture: NORMAL

Emergence Date: 05-24-02

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Crop 3: GLXMA SOYBEAN Variety: ASGROW AG3903
Planting Date: 05-15-02 Planting Method: DRILLED
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 7.25 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-24-02

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: NO-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 3 % OM: 4 Texture: SILT LOAM
% Silt: 63 pH: 6.5 Soil Name: LANTON
% Clay: 34 CEC: 25 Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	05-15-02	06-17-02
Time of Day:	11:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	1WK	LP
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	58 F	65 F
% Relative Humidity:	65	66
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	62 F	72 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15

NO-TILL SOYBEAN FULL SEASON

Trial ID: S2030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:	8	IN
Crop 2 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:	8	IN
Crop 3 Code, Stage:	GLXMA 1WK	GLXMA LP
Height, Unit:	8	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA 1WK	SETFA LP
Stage Scale:	6LF	4LF
Density, Unit:	5 IN	3 IN
Weed 2 Code, Stage:	HPPVU 1WK	HPPVU LP
Density, Unit:	3 IN	5 IN
Weed 3 Code, Stage:	AMBTR 1WK	AMBTR LP
Stage Scale:	8 LF	4LF
Density, Unit:	6 IN	3 IN
Weed 4 Code, Stage:	STEME 1 WK	STEME LP
Density, Unit:	3 IN	5 IN
Weed 5 Code, Stage:	IPOHE 1 WK	IPOHE LP
Stage Scale:	2LF	4LF
Density, Unit:	2 IN	3 IN

APPLICATION EQUIPMENT

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

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

NO-TILL SOYBEAN II

Trial ID: S2034
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	TAROF	TRFPR	STEME	TRFRE	TAROF	TRFPR	STEME	TRFRE	TAROF	TRFPR	STEME	TRFRE
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	TAROF	TRFPR	STEME	TRFRE	TAROF	TRFPR	STEME	TRFRE
1 CHECK UNTREATED						0	0	0	0	0	0	0	0
2 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE		73	70	95	77	80	80	100	80
3 RESOURCE	0.86 EC		0.014 LB	A/A PRE		77	53	100	78	85	82	100	83
3 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE									
4 V-10097	4.06 SC		1.014 LB	A/A PRE		80	47	95	70	87	77	100	70
5 V-10097	4.06 SC		1.063 LB	A/A PRE		87	57	95	80	85	77	100	80
6 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE		90	80	95	73	87	83	100	77
6 AIM	2 EC		0.002 LB	A/A PRE									
LSD (P=.05)						25.2	23.4	0.0	9.9	16.8	18.3	0.0	12.9
Standard Deviation						13.9	12.9	0.0	5.5	9.2	10.1	0.0	7.1
CV						20.46	25.17	0.0	8.65	13.11	15.17	0.0	10.88
													11.29
													6.4
													0.0
													13.39

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

NO-TILL SOYBEAN II

Trial ID: S2034 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-18-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
2.	TRFPR CLOVER, RED	TRIFOLIUM PRATENSE L.
3.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
4.	TRFRE CLOVER, WHITE	TRIFOLIUM REPENS L.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4403
Planting Date: 05-15-02 Planting Method: DRILLED
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: ROUGH/TRASHY
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 4	% OM: 4	Texture: SILT LOAM
% Silt: 62	pH: 6.5	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

NO-TILL SOYBEAN II

Trial ID: S2034 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

APPLICATION DESCRIPTION

A
Application Date: 04-18-02
Time of Day: 10:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROFOL
Air Temp., Unit: 70 F
& Relative Humidity: 76
Wind Velocity, Unit: 4 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 67 F
Soil Moisture: ADEQUATE
& Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: GLXMA PRE

WEED STAGE AT EACH APPLICATION

A
Weed 1 Code, Stage: TAROF PRE
Weed 2 Code, Stage: TRFPR PRE
Weed 3 Code, Stage: STEME PRE
Weed 4 Code, Stage: TRFRE PRE

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

NO-TILL SOYBEAN II

Trial ID: S2034
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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

NO-TILL SOYBEAN DANDELION

Trial ID: S2033 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	TAROF	TRFPR	STEME	TRFRE	TAROF	TRFPR	STEME	TRFRE
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Rate	Rate Unit	Grow Stg	TAROF	TRFPR	STEME	TRFRE	TAROF	TRFPR	STEME	TRFRE
1	CHECK UNTREATED					0	0	0	0	0	0	0	0
2	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE		88	70	100	57	90	87	100	80
2	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
3	VALOR	50 WG	0.031 LB	A/A PRE		97	87	97	77	97	90	100	85
3	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE									
3	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
4	VALOR	50 WG	0.047 LB	A/A PRE		95	80	97	67	97	85	100	73
4	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE									
4	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
5	VALOR	50 WG	0.063 LB	A/A PRE		97	83	97	80	98	93	100	92
5	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE									
5	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
6	VALOR	50 WG	0.078 LB	A/A PRE		97	88	97	92	98	92	100	93
6	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE									
6	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
7	VALOR	50 WG	0.094 LB	A/A PRE		93	92	97	78	95	92	100	85
7	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE									
7	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
8	CANOPY XL					92	77	100	77	93	87	100	88
8	AUTHORITY	75 DF	0.123 LB	A/A PRE									
8	CLASSIC	25 DF	0.025 LB	A/A PRE									
8	ROUNDUP ULTRAMAX	5 SL	1.5 LB	A/A PRE									
8	WEEDONE LV4	3.8 E	0.5 LB	A/A PRE									
LSD (P=.05)						9.8	12.4	5.2	18.4	9.1	7.1	0.0	14.1
Standard Deviation						5.6	7.1	3.0	10.5	5.2	4.0	0.0	8.1
CV						6.78	9.81	3.5	15.94	6.2	5.16	0.0	10.8

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

NO-TILL SOYBEAN DANDELION

Trial ID: S2033 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 04-18-02
Country: USA
Angle y-axis to North °: 0.00

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
2.	TRFPR CLOVER, RED	TRIFOLIUM PRATENSE L.
3.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
4.	TRFRE CLOVER, WHITE	TRIFOLIUM REPENS L.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG 4403
Planting Date: 05-15-02 Planting Method: DRILLED
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: ROUGH/TRASHY
Soil Temperature: 62 F Soil Moisture: NORMAL Emergence Date: 05-25-02

SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 30 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 4	% OM: 4	Texture: SILT LOAM
% Silt: 62	pH: 6.5	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

NO-TILL SOYBEAN DANDELION

Trial ID: S2033 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

APPLICATION DESCRIPTION

A

Application Date: 04-18-02
Time of Day: 10:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROFOL
Air Temp., Unit: 70 F
& Relative Humidity: 76
Wind Velocity, Unit: 4 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 67 F
Soil Moisture: ADEQUATE
& Cloud Cover: 20

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: GLXMA PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: TAROF PRE
Weed 2 Code, Stage: TRFPR PRE
Weed 3 Code, Stage: STEME PRE
Weed 4 Code, Stage: TRFRE PRE

NO-TILL SOYBEAN DANDELION

Trial ID: S2033

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

A

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

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

BURLEY TOBACCO

Trial ID: T2001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg			
1	SPARTAN	4 F		0.313 LB	A/A PPI		0	88	93
2	SPARTAN	4 F		0.313 LB	A/A PRT		3	88	95
3	SPARTAN	4 F		0.313 LB	A/A PPI		3	96	98
3	COMMAND	3 ME		0.75 LB	A/A PPI				
4	SPARTAN	4 F		0.313 LB	A/A PRT		0	95	97
4	COMMAND	3 ME		0.75 LB	A/A PRT				
5	SPARTAN	4 F		0.313 LB	A/A PRT		3	93	94
5	COMMAND	3 ME		0.75 LB	A/A LBY				
6	PROWL H20	3.8 CS		0.75 LB	A/A PPI		0	87	92
6	COMMAND	3 ME		0.75 LB	A/A LBY				
7	SPARTAN	4 F		0.313 LB	A/A PPI		0	95	97
7	PROWL H20	3.8 CS		0.75 LB	A/A PPI				
8	SPARTAN	4 F		0.313 LB	A/A PRT		3	92	96
8	PROWL H20	3.8 CS		0.75 LB	A/A PRT				
9	SPARTAN	4 F		0.313 LB	A/A PRT		3	93	95
9	POAST	1.53 EC		0.28 LB	A/A LBY				
9	COC	L		1 QT/A	LBY				
10	SPARTAN	4 F		0.313 LB	A/A PRT		3	92	93
10	AIM	2 EC		0.024 LB	A/A LBY				
10	ACTIVATOR 90			0.25 %	V/V LBY				
11	SPARTAN	4 F		0.313 LB	A/A PRT		0	90	93
11	AIM	2 EC		0.024 LB	A/A LBY				
11	POAST	1.53 EC		0.375 LB	A/A LBY				
11	COC	L		1 QT/A	LBY				

LSD (P=.05)	7.6	5.6	4.3
Standard Deviation	4.5	3.3	2.5
CV	245.97	3.56	2.64

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

BURLEY TOBACCO

Trial ID: T2001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: LEXINGTON Trial Status: COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40511 Initiation Date: 05-22-02
Country: USA
Angle y-axis to North °: 0.00

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

CROP AND WEED DESCRIPTION

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

Crop 1: NIOTA TOBACCO, BURLEY Variety: NC-3
Planting Date: 05-22-02 Planting Method: ROW
Rate: 7474 P/A Depth: 2 IN
Row Spacing: 40 IN Seed Bed: VERY FINE
Soil Temperature: 58 F Soil Moisture: NORMAL

SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

BURLEY TOBACCO

Trial ID: T2001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-22-02	05-22-02	06-20-02
Time of Day:	1:00	2:00	1:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PPI	PRT	LAYBY
Applic. Placement:	BROSOI	BROSOI	BROFOL
Air Temp., Unit:	51 F	51 F	76 F
% Relative Humidity:	56	56	64
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	58 F	58 F	78 F
Soil Moisture:	ADEQUATE	ADEQUATE	INADEQUAT
% Cloud Cover:	20	20	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	NIOTA PPI	NIOTA PRT	NIOTA LBY
Height, Unit:			12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PPI	SETFA PRT	SETFA LBY
Stage Scale:			2LF
Density, Unit:			3 IN
Weed 2 Code, Stage:	AMACH PPI	AMACH PRT	AMACH LBY
Stage Scale:			3LF
Density, Unit:			3 IN

BURLEY TOBACCO

Trial ID: T2001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

	A		B		C	
Appl. Equipment:	ATV		ATV		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	20	IN
Ground Speed, Unit:	4	MPH	4	MPH	3.5	MPH
Carrier:	WATER		WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA	24	GPA
Propellant:	CO2		CO2		CO2	