



College of Agriculture
Department of Agronomy _____

2003 Herbicide Evaluation Trials

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The following trials were conducted in corn, soybeans, and tobacco at the Spindletop Research Facility located in Lexington, Kentucky.

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HERBICIDES IN REPORT

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
AATREX	ATRAZINE	SYNGENTA
ACCENT	NICOSULFURON	DUPONT
ACTIVATOR 90	SURFACTANT	LOVELAND
AIM	CARFENTRAZONE	FMC
AMPLIFY	CLORANSULAM	MONSANTO
AMS	AMMONIUM SULFATE	CLEAN CROP
ARROW	CLETHODIM	MANA
ASSURE II	QUIZALOFOP	DUPONT
AUTHORITY	SULFENTRAZONE	FMC
AXIOM	THIAFLUAMIDE + METRIBUZIN	BAYER
BACKDRAFT	GLYPHOSATE + IMAZAQUIN	BASF
BALANCE PRO	ISOXAFLUTOLE	BAYER
BASAGRAN	BENTAZON	BASF
BASIS	RIMSULFURON + THIFENSULFURON	DUPONT
BASIS GOLD	RIMSULFURON + NICOSULFURON + ATRAZINE	DUPONT
BICEP II MAGNUM	S-METOLACHLOR + ATRAZINE + BENOXACOR	SYNGENTA
BOUNDARY	S-METOLACHLOR + METRIBUZIN	SYNGENTA
BUCTRIL/ATRA	BROMOXYNIL + ATRAZINE	BAYER
CALLISTO	MESOTRIONE	SYNGENTA
CAMIX	MESOTRIONE + S-METOLACHLOR	SYNGENTA
CANOPY XL	CHLORIMURON + SULFENTRAZONE (1:5 RATIO)	DUPONT
CELEBRITY PLUS	DICAMBA + DIFLUFENZOPYR + NICOSULFURON	BASF
CINCH	S-METOLOCHLOR + BENOXACOR	DUPONT
CINCH ATZ	S-METOLACHLOR + ATRAZINE + BENOXACOR	DUPONT
CLARITY	DICAMBA	BASF
CLASSIC	CHLORIMURON	DUPONT
CLEAROUT 41 PLUS	GLYPHOSATE	CHEMICAL PRODUCTS TECHNOLOGIES
COBRA	LACTOFEN	VALENT
COMMAND	CLOMAZONE	FMC
CROP OIL CONCENTRATE (COC)		LOVELAND
DEFINE	FLUFENACET	BAYER
DEGREE	ACETOCHLOR	MONSANTO
DEGREE XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
DISTINCT	DIFLUFENZOPYR/SODIUM SALT OF 3,6 O-ANISIC ACID	BASF
DUAL II MAGNUM	S-METOLACHLOR + BENOXACOR	SYNGENTA
EPIC	FLUFEMACET + ISOXAFLUTOLE	BAYER
EQUIP CORN HERBICIDE	FORAMSULFURON + IODPSULFURON-METHYL-SODIUM	BAYER
EXPERT	S-METOLACHLOR + ATRAZINE + BENOXACOR +GLYPHOSATE	SYNGENTA
EXTREME	GLYPHOSATE + IMAZETHAPYR	BASF

HERBICIDES IN REPORT (CONTINUED)

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
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
GRAMOXONE MAX	PARAQUAT	SYNGENTA
GLYPHOMAX HC	GLYPHOSATE	DOW AGROSCIENCE
GLYPHOMAX PLUS	GLYPHOSATE	DOW AGROSCIENCE
GUARDSMAN	DIMETHENAMID + ATRAZINE	BASF
GUARDSMAN MAX	DIMETHENAMID-P + ATRAZINE	BASF
HARNESS XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
HARMONY GT	THIFENSULFURON	DUPONT
HONCHO	GLYPHOSATE	MONSANTO
HORNET	FLUMETSULAM + CLOPYRALID	DOW AGROSCIENCE
KEYSTONE	ACETOCHLOR + ATRAZINE	DOW AGROSCIENCE
KIH-485	KIH-485	KUMIAI CHEMICAL
LASSO	ALACHLOR	MONSANTO
LIBERTY	GLUFOSINATE	BAYER
LIGHTNING	IMAZETHAPYR + IMAZAPYR	BASF
LIQUID N	28% NITROGEN	
LUMAX	MESOTRIONE + S-METOLACHLOR + ATRAZINE	SYNGENTA
MARKSMAN	DICAMBA + ATRAZINE (2.1 + 1.1)	BASF
MSO	METHYLATED SEED OIL	LOVELAND
MUSTANG MAX	S-CYANO METHYL+ DIMETHYLCYCLOPROPANE CARBOXYLATE	FMC
OPTION	FORAMSULFURON	BAYER
OUTLOOK	DIMETHENAMID-P	BASF
PHOENIX	LACTOFEN	VALENT
POAST	SETHOXYDIM	BASF
PRINCEP	SIMAZINE	SYNGENTA
PROWL H2O	PENDIMETHALIN	BASF
RAPTOR	IMAZAMOX	BASF
RIMSULFURON	RIMSULFURON	DUPONT
ROUNDUP ULTRAMAX	GLYPHOSATE + ADJUVANT	MONSANTO
ROUNDUP Weather Max	GLYPHOSATE + ADJUVANT (POTASSIUM SALT)	MONSANTO
SELECT	CLETHODIM	VALENT
SPARTAN	SULFENTRAZONE	FMC
SPIRIT	PRIMISULFURON + PROSULFURON	SYNGENTA
STEADFAST	NICOSULFURON + RIMSULFURON	DUPONT
STEADFAST ATZ	NICOSULFURON + RIMSULFURON + ATRAZINE	DUPONT
STELLAR	FLUMICLORAC PENTYL + LACTOFEN	VALENT

HERBICIDES IN REPORT (CONTINUED)

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
SYNCHRONY STS	CHLORIMURON + THIFENSULFURON	DUPONT
TOUCHDOWN IQ	GLYPHOSATE	SYNGENTA
TOUCHDOWN TOTAL	GLYPHOSATE	SYNGENTA
VALOR	FLUMIOXAZIN (V-53482)	VALENT
V-10117	V-10117	VALENT
V-10136	V-10136	VALENT
WEEDONE LV4	2,4-D ESTER	NUFARM AMERICAS INC
YUKON	HALOSULFURON + DICAMBA	MONSANTO

DEFINITIONS FOR METHODS OF APPLICATION

PREEMERGENCE

3WK	3 WEEKS BEFORE PLANTING
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"
LP	LATE POSTEMERGENCE WEEDS 4-6"
LLP	LATE/LATE POSTEMERGENCE WEEDS 6-8"
3C	3 LEAF CORN
5C	5 LEAF CORN
12C	12 INCH CORN
16C	16 INCH CORN
18C	18 INCH CORN
30C	30 INCH CORN
V4	12 INCH CORN, 5LF
V6	20 INCH CORN, 6LF
12J	12 INCH JOHNSONGRASS
18J	18 INCH JOHNSONGRASS
+14D	14 DAYS AFTER LAST APPLICATION
REG	WEED REGROWTH
IFN	IF NEEDED
LBY	LAY-BY

ABBREVIATIONS

Crop and Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
AMACH	Smooth Pigweed	<i>Amaranthus hybridus</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
CAPBP	Shepherdspurse	<i>Capsella bursa-pastoris</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
DIGSA	Large Crabgrass	<i>Digitaria sanguinalis</i>
ERICA	Horseweed	<i>Conyza canadensis</i>
GERCA	Carolina Geranium	<i>Geranium carolinianum L.</i>
GLXMA	Soybean	<i>Glycine max</i>
IPOSS	Morningglory	<i>Ipomoea ssp.</i>
LACSE	Prickly Lettuce	<i>Lactuca serriola L.</i>
NIOTA	Burley Tobacco	<i>Nicotiana tabacum L.</i>
PANDI	Fall Panicum	<i>Panicum dichotomiflorum</i>
POLPY	Pennsylvania Smartweed	<i>Polygonum pensylvanicum</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>
TRZAW	Winter Wheat	<i>Triticum aestivum L.</i>
XANST	Common Cocklebur	<i>Xanthium strumarium</i>
ZEAMX	Corn	<i>Zea mays</i>

APRIL CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
04-01-2003	72	47	60		47	32	51	45	55	44	
04-02-2003	71	57	64		58	43	55	49	61	50	
04-03-2003	73	57	65		68	47	57	52	64	53	
04-04-2003	74	61	68		81	52	58	55	63	57	
04-05-2003	66	34	50	0.36	100	69	57	52	60	50	
04-06-2003	45	32	38	0.33	93	63	51	48	49	45	
04-07-2003	66	43	54	0.30	100	59	53	48	58	47	
04-08-2003	52	41	46	0.39	95	79	52	50	54	50	
04-09-2003	40	37	38	0.16	93	89	50	47	49	45	
04-10-2003	54	39	46	0.12	90	58	49	46	50	44	
04-11-2003	63	36	50		88	31	52	47	58	45	
04-12-2003	69	41	55		70	33	54	48	60	47	
04-13-2003	63	40	52		83	43	55	49	61	48	
04-14-2003	76	42	59		75	32	56	50	64	49	
04-15-2003	79	57	68		61	36	58	54	67	54	
04-16-2003	77	61	69		63	34	60	56	69	57	
04-17-2003	64	52	58	0.86	100	59	58	56	63	57	
04-18-2003	67	53	60	0.01	100	100	57	55	62	55	
04-19-2003	78	51	64		100	50	60	55	67	55	
04-20-2003	75	58	66	0.15	94	61	61	58	66	60	
04-21-2003	64	51	58	0.09	96	58	60	58	64	60	
04-22-2003	50	38	44	0.01	93	67	58	54	60	55	
04-23-2003	64	32	48		94	31	58	50	60	51	
04-24-2003	63	41	52		70	43	56	52	58	53	
04-25-2003	65	50	58	0.03	95	63	56	54	58	54	
04-26-2003	67	48	58	0.20	95	40	60	55	62	55	
04-27-2003	71	42	56		71	25	61	54	64	54	
04-28-2003	76	43	60		82	43	62	55	65	56	
04-29-2003	74	58	66	0.13	95	64	65	60	69	61	
04-30-2003 E	79	62	70		100	52	66	63			

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				TOTAL EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	67	47	57	3.14	85	52	57	52	61	52	
Deviation	+1	+2	+2	-0.74							

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

"E" indicates data estimated by NWS.

MAY CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
05-01-2003	80	61	70	0.02	90	46	67	62	71	63	
05-02-2003	72	56	64	0.50	100	74	65	63	68	63	
05-03-2003	61	48	54		100	75	64	61	65	62	
05-04-2003	63	38	50	0.21	100	66	61	58	64	57	
05-05-2003	75	56	66	1.26	100	89	63	59	66	60	
05-06-2003	78	60	69		100	59	65	62	70	62	
05-07-2003	70	60	65	0.51	98	79	65	63	68	60	
05-08-2003	78	62	70	0.24	97	58	68	64	73	62	
05-09-2003	80	65	72	0.45	96	78	68	66	72	62	
05-10-2003	E 83	70	76	0.05	99	72	68	67	72	64	
05-11-2003	74	58	66	0.65	97	43	68	65	72	66	
05-12-2003	65	55	60		68	47	65	62	66	61	
05-13-2003	69	48	58		86	35	64	60	69	58	
05-14-2003	74	52	63		86	48	65	61	69	61	
05-15-2003	69	56	62	0.58	95	73	64	62	68	63	
05-16-2003	77	51	64	0.01	100	47	66	61	74	60	
05-17-2003	74	60	67	0.54	97	84	65	64	69	65	
05-18-2003	73	63	68	0.16	96	81	66	64	70	66	
05-19-2003	E 69	58	64	0.27	99	82	68	65	70	66	
05-20-2003	72	56	64	0.65	95	83	67	66	70	67	
05-21-2003	61	51	56	0.02	95	69	66	63	67	63	
05-22-2003	64	52	58		92	68	64	62	68	61	
05-23-2003	69	52	60		92	49	65	62	70	62	
05-24-2003	67	45	56		94	41	64	60	70	59	
05-25-2003	65	52	58	0.11	95	54	62	61	64	61	
05-26-2003	69	48	58	0.01	100	53	63	60	70	59	
05-27-2003	72	54	63	0.13	100	49	64	61	71	61	
05-28-2003	76	52	64	0.08	95	39	64	61	69	60	
05-29-2003	68	56	62	0.21	96	63	63	62	67	61	
05-30-2003	71	51	61		97	53	64	60	69	59	
05-31-2003	68	57	62	0.02	86	63	63	62	66	62	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	71	55	63	6.68	95	62	65	62	69	62	
Deviation	-5	+0	-2	+2.21							

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"E" indicates data estimated by NWS.

JUNE CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
06-01-2003	65	49	57		93	42	63	60	70	58	
06-02-2003	67	47	57	0.02	82	35	62	59	68	58	
06-03-2003	73	53	63	1.10	95	76	63	60	67	60	
06-04-2003	61	55	58		94	78	63	61	64	62	
06-05-2003	74	50	62		93	35	65	60	69	58	
06-06-2003	78	53	66	0.77	95	36	67	61	70	60	
06-07-2003	73	61	67	0.40	95	74	68	65	71	65	
06-08-2003	79	59	69	0.50	96	53	69	65	72	64	
06-09-2003	78	58	68		79	41	70	64	73	62	
06-10-2003	78	60	69	0.08	91	47	70	65	72	64	
06-11-2003	75	66	70	0.19	93	80	70	67	71	67	
06-12-2003	79	66	72	0.19	94	68	71	68	73	68	
06-13-2003	80	68	74	0.08	94	69	73	69	76	69	
06-14-2003	81	68	74	0.22	95	74	73	70	75	70	
06-15-2003	81	68	74		100	66	75	71	78	70	
06-16-2003	78	67	72	1.08	100	96	75	72	77	71	
06-17-2003	81	67	74	0.10	100	70	76	72	80	71	
06-18-2003	81	65	73		100	45	76	72	80	72	
06-19-2003	76	62	69		95	71	74	72	77	71	
06-20-2003	70	52	61		86	47	74	69	76	65	
06-21-2003	75	51	63		94	38	74	67	78	64	
06-22-2003	80	54	67		95	36	75	67	82	66	
06-23-2003	84	57	70		86	39	76	68	85	68	
06-24-2003	86	58	72		88	38	77	69	87	70	
06-25-2003	87	61	74		90	45	77	71	88	72	
06-26-2003	84	66	75	0.12	94	56	75	73	85	75	
06-27-2003	78	61	70		92	42	76	71	83	73	
06-28-2003	81	58	70		94	40	76	69	87	69	
06-29-2003	85	61	73		87	31	76	70	89	72	
06-30-2003	86	63	74		95	48	77	71	88	74	

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
	78	59	69	4.85	93	54	72	67	77	67	
	-5	-3	-4	+1.19							

Data if used for legal purposes must be certified by NCDC,
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JULY CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
07-01-2003	80	67	74		100	61	76	73	85	76	
07-02-2003	82	63	72		100	54	77	71	87	74	
07-03-2003	87	65	76		96	48	78	72	89	75	
07-04-2003	89	69	79		92	48	79	74	92	77	
07-05-2003	89	65	77		92	51	79	73	91	77	
07-06-2003	86	71	78		94	57	78	74	88	79	
07-07-2003	88	72	80		93	57	78	74	89	79	
07-08-2003	90	75	82		93	55	80	75	90	79	
07-09-2003	87	70	78	0.02	94	57	78	75	87	79	
07-10-2003	85	68	76	0.73	95	71	76	74	81	76	
07-11-2003	79	65	72	0.01	93	44	75	72	78	72	
07-12-2003	83	61	72	0.10	91	53	75	70	80	70	
07-13-2003	84	59	72		95	39	77	70	83	70	
07-14-2003	87	62	74		94	40	78	72	85	72	
07-15-2003	82	68	75	1.04	95	68	76	73	80	75	
07-16-2003	84	71	78	0.02	100	50	80	74	85	75	
07-17-2003	84	62	73		95	46	79	73	85	72	
07-18-2003	83	67	75		94	56	77	74	83	74	
07-19-2003	79	64	72		96	68	79	73	86	74	
07-20-2003	86	59	72		97	46	79	72	89	72	
07-21-2003	76	66	71	0.22	95	69	77	73	81	74	
07-22-2003	78	65	72	0.02	95	65	75	72	79	72	
07-23-2003	71	60	66	0.05	95	75	74	72	76	71	
07-24-2003	82	59	70	0.01	100	44	77	69	83	68	
07-25-2003	84	61	72		95	36	79	71	87	71	
07-26-2003	86	64	75		93	48	78	72	87	74	
07-27-2003	87	71	79		91	46	79	74	89	76	
07-28-2003	79	69	74	0.16	94	73	77	75	82	77	
07-29-2003	81	66	74		95	52	80	74	86	74	
07-30-2003	85	61	73		92	47	80	72	88	73	
07-31-2003	78	68	73	0.30	95	76	77	74	81	76	

	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
	83	66	74	2.68	95	55	78	73	85	74	
Deviation	-3	+1	-1	-2.32							

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

AUGUST CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
08-01-2003	86	66	76		100	48	80	73	86	73	
08-02-2003	84	67	76	0.01	94	52	79	75	85	75	
08-03-2003	82	65	74	0.15	95	50	80	74	85	75	
08-04-2003	80	66	73	0.60	95	65	77	73	81	74	
08-05-2003	81	62	72		94	54	79	72	84	71	
08-06-2003	81	63	72	0.18	95	52	79	73	85	73	
08-07-2003	80	64	72	0.26	100	61	79	74	82	74	
08-08-2003	83	61	72	0.03	100	54	79	73	82	71	
08-09-2003	82	63	72	0.45	100	51	81	73	83	72	
08-10-2003	79	60	70		100	60	79	73	80	72	
08-11-2003	79	63	71	1.38	100	56	79	73	81	72	
08-12-2003	81	59	70		100	60	79	71	81	69	
08-13-2003	85	67	76		96	56	79	74	80	73	
08-14-2003	88	69	78		96	59	82	75	86	74	
08-15-2003	89	70	80	0.55	100	61	83	77	87	77	
08-16-2003	86	70	78		95	57	82	77	85	76	
08-17-2003	83	68	76		93	62	83	77	87	77	
08-18-2003	80	60	70		91	50	82	75	88	73	
08-19-2003	84	60	72		95	44	82	74	88	73	
08-20-2003 E	88	65	76		99	58	80	76			
08-21-2003	88	74	81		92	58	82	78	90	79	
08-22-2003	86	68	77	0.17	93	71	79	76	83	76	
08-23-2003	82	66	74	0.01	95	47	80	74	85	74	
08-24-2003	85	59	72		93	40	80	73	87	72	
08-25-2003	88	63	76		93	45	80	74	88	74	
08-26-2003	89	67	78		92	55	80	74	89	76	
08-27-2003	90	73	82		90	51	80	76	88	78	
08-28-2003	89	69	79		94	55	81	76	90	78	
08-29-2003	87	73	80		91	56	80	76	88	78	
08-30-2003 E	79	71	75	0.55	98	69	80	78			
08-31-2003	84	68	76	0.92	96	68	80	75	83	75	

Deviation	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MN	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	84	66	75	5.26	96	56	80	75	85	74	
	+0	+3	+2	+1.33							

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National Climate Data Center (Phone 828/271-4800)

"E" indicates data estimated by NWS.

SEPTEMBER CLIMATOLOGICAL DATA. SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
09-01-2003	85	68	76	0.40	95	64	78	75	82	75	
09-02-2003	72	68	70	1.16	100	94	76	74	77	74	
09-03-2003	77	68	72	0.36	100	87	75	73	77	73	
09-04-2003	77	61	69		100	58	76	73	80	72	
09-05-2003	73	55	64		93	52	74	70	78	68	
09-06-2003	73	53	63		95	52	74	69	78	66	
09-07-2003	73	54	64		96	66	72	68	75	67	
09-08-2003	76	60	68		96	54	73	69	76	68	
09-09-2003	82	54	68		100	51	75	69	80	67	
09-10-2003	82	60	71		95	47	76	70	82	69	
09-11-2003	78	60	69		95	51	75	71	82	70	
09-12-2003	81	56	68		92	55	74	69	79	68	
09-13-2003	83	61	72		92	45	75	70	80	69	
09-14-2003	74	64	69	0.01	95	75	72	71	74	70	
09-15-2003	74	54	64		95	40	72	69	78	69	
09-16-2003	79	51	65		93	34	72	66	79	65	
09-17-2003	78	49	64		94	40	71	66	79	65	
09-18-2003	77	52	64		92	47	71	65	79	66	
09-19-2003	75	55	65		94	60	69	67	74	68	
09-20-2003	66	45	56		98	59	67	64	68	64	
09-21-2003	79	53	66		96	56	70	65	76	66	
09-22-2003	71	59	65	1.53	96	71	69	67	72	67	
09-23-2003	67	52	60		92	45	68	65	71	63	
09-24-2003	79	49	64		93	33	68	63	71	60	
09-25-2003	68	51	60		94	58	67	65	68	64	
09-26-2003	79	49	64		100	56	69	67			
09-27-2003	73	54	64	0.48	96	51	67	65	69	64	
09-28-2003	57	46	52	0.06	94	58	65	61	64	59	
09-29-2003	57	43	50		94	48	61	59	63	56	
09-30-2003	64	42	53	0.22	94	41	61	57	64	53	

DATE	AIR TEMP			TOTAL PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
Deviation	74	55	65	4.22	95	55	71	67	75	66	
	-3	-1	-2	+1.02							

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

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

CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	AMBTR CONTROL PERCENT	XANST CONTROL PERCENT	IPOSS CONTROL PERCENT	ZEAMX INJURY PERCENT
1	BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		0	99	95	96	91	0
2	HARNESS XTRA	5.6 EC		3.36 LB	A/A PRE		0	99	93	93	88	0
3	DEGREE XTRA	4.04 CS		2.8 LB	A/A PRE		0	99	95	95	90	0
4	CINCH ATZ	5.5 L		2.8 LB	A/A PRE		0	99	93	93	92	0
5	LUMAX	3.94 SE		2.44 LB	A/A PRE		0	99	94	96	96	0
6	LUMAX	3.94 SE		2.44 LB	A/A 3C		0	99	99	99	99	0
7	LUMAX	3.94 SE		2.44 LB	A/A PRE		0	99	99	99	99	0
7	AATREX	4 F		1 LB	A/A PRE							
8	LUMAX	3.94 SE		2.44 LB	A/A 3C		0	99	99	99	99	0
8	AATREX	4 F		1 LB	A/A 3C							
9	KEYSTONE	5.25 L		3.48 LB	A/A PRE		0	99	96	96	93	0
9	AATREX	4 F		0.5 LB	A/A PRE							
10	KEYSTONE	5.25 L		3.48 LB	A/A PRE	10	99	99	99	99	99	0
10	AATREX	4 F		0.5 LB	A/A PRE							
10	OPTION	35 WG		0.033 LB	A/A MP							
10	HORNET	68.5 WG		0.128 LB	A/A MP							
10	MSO	L		0.75 QT/A	MP							
10	AMS	100 SG		2 LB	A/A MP							
11	KEYSTONE	5.25 L		3.48 LB	A/A PRE	10	99	99	99	99	98	0
11	AATREX	4 F		0.5 LB	A/A PRE							
11	HORNET	68.5 WG		0.128 LB	A/A MP							
11	MSO	L		0.75 QT/A	MP							
11	AMS	100 SG		2 LB	A/A MP							
12	KEYSTONE	5.25 L		3.48 LB	A/A PRE	0	99	99	98	98	95	0
12	HORNET	68.5 WG		0.128 LB	A/A PRE							
12	AATREX	4 F		0.5 LB	A/A PRE							
13	CINCH ATZ	5.5 L		2.89 LB	A/A PRE	0	99	93	93	93	92	0
14	CINCH ATZ	5.5 L		1.51 LB	A/A PRE	0	99	98	98	98	98	0
14	STEADFAST ATZ	89.3 DF		0.78 LB	A/A MP							
14	COC	L		1 QT/A	MP							
14	LIQUID N	L		1 QT/A	MP							

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	ZEAMX	ZEAMX
Crop Code	ZEAMX		ZEAMX		ZEAMX	
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 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 Rate	Unit	Grow Stg						
15 BASIS	75	DF	0.035	LB	A/A PRE	0	99	91	93	90	0
15 PRINCEP	4	F	1	LB	A/A PRE						
15 AATREX	4	F	1	LB	A/A PRE						
16 AATREX	4	F	1.5	LB	A/A PRE	3	98	99	99	99	0
16 STEADFAST ATZ	89.3	DF	0.78	LB	A/A MP						
16 CALLISTO	4	SC	0.063	LB	A/A MP						
16 COC		L	1	QT/A	MP						
16 LIQUID N		L	1	QT/A	MP						
LSD (P=.05)						2.4	1.0	6.4	5.8	6.0	0.0
Standard Deviation						1.4	0.6	3.8	3.5	3.6	0.0
CV						98.97	0.58	3.98	3.58	3.77	0.0

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CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	SETFA
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	ZEAMX
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	INJURY CONTROL
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 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	Rate Unit	Grow Stg	SETFA	AMBTR	XANST	IPOSS	ZEAMX	SETFA
1	BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		99	87	88	83	0	99
2	HARNESS XTRA	5.6 EC		3.36 LB	A/A PRE		99	85	85	85	0	99
3	DEGREE XTRA	4.04 CS		2.8 LB	A/A PRE		99	85	87	80	0	99
4	CINCH ATZ	5.5 L		2.8 LB	A/A PRE		99	87	87	82	0	99
5	LUMAX	3.94 SE		2.44 LB	A/A PRE		99	91	95	91	0	99
6	LUMAX	3.94 SE		2.44 LB	A/A 3C		99	98	98	98	0	99
7	LUMAX	3.94 SE		2.44 LB	A/A PRE		99	95	95	92	0	99
7	AATREX	4 F		1 LB	A/A PRE							
8	LUMAX	3.94 SE		2.44 LB	A/A 3C		99	98	98	96	0	99
8	AATREX	4 F		1 LB	A/A 3C							
9	KEYSTONE	5.25 L		3.48 LB	A/A PRE		99	91	91	87	0	99
9	AATREX	4 F		0.5 LB	A/A PRE							
10	KEYSTONE	5.25 L		3.48 LB	A/A PRE		99	96	96	95	0	99
10	AATREX	4 F		0.5 LB	A/A PRE							
10	OPTION	35 WG		0.033 LB	A/A MP							
10	HORNET	68.5 WG		0.128 LB	A/A MP							
10	MSO	L		0.75 QT/A	MP							
10	AMS	100 SG		2 LB	A/A MP							
11	KEYSTONE	5.25 L		3.48 LB	A/A PRE		99	96	96	95	0	98
11	AATREX	4 F		0.5 LB	A/A PRE							
11	HORNET	68.5 WG		0.128 LB	A/A MP							
11	MSO	L		0.75 QT/A	MP							
11	AMS	100 SG		2 LB	A/A MP							
12	KEYSTONE	5.25 L		3.48 LB	A/A PRE		99	96	95	88	0	99
12	HORNET	68.5 WG		0.128 LB	A/A PRE							
12	AATREX	4 F		0.5 LB	A/A PRE							
13	CINCH ATZ	5.5 L		2.89 LB	A/A PRE		99	90	90	83	0	99
14	CINCH ATZ	5.5 L		1.51 LB	A/A PRE		99	95	95	95	0	99
14	STEADFAST ATZ	89.3 DF		0.78 LB	A/A MP							
14	COC	L		1 QT/A	MP							
14	LIQUID N	L		1 QT/A	MP							

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

Weed Code		SETFA	AMBTR	XANST	IPOSS		SETFA		
Crop Code						ZEAMX			
Rating Data Type		CONTROL	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	Form Form	Rate	Grow						
No. Name	Conc Type Rate	Unit	Stg						
15 BASIS	75 DF	0.035 LB	A/A PRE	98	88	90	85	0	95
15 PRINCEP	4 F	1 LB	A/A PRE						
15 AATREX	4 F	1 LB	A/A PRE						
16 AATREX	4 F	1.5 LB	A/A PRE	98	95	95	95	0	98
16 STEADFAST ATZ	89.3 DF	0.78 LB	A/A MP						
16 CALLISTO	4 SC	0.063 LB	A/A MP						
16 COC	L	1 QT/A	MP						
16 LIQUID N	L	1 QT/A	MP						
LSD (P=.05)				1.4	11.4	11.2	9.3	0.0	2.4
Standard Deviation				0.8	6.9	6.7	5.6	0.0	1.4
CV				0.84	7.46	7.3	6.27	0.0	1.45

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CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS
Crop Code			
Rating Data Type	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 Rate	Rate Unit	Grow Stg			
1	BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		87	88	82
2	HARNESS XTRA	5.6 EC		3.36 LB	A/A PRE		83	83	80
3	DEGREE XTRA	4.04 CS		2.8 LB	A/A PRE		85	83	70
4	CINCH ATZ	5.5 L		2.8 LB	A/A PRE		85	85	73
5	LUMAX	3.94 SE		2.44 LB	A/A PRE		91	95	88
6	LUMAX	3.94 SE		2.44 LB	A/A 3C		98	98	93
7	LUMAX	3.94 SE		2.44 LB	A/A PRE		96	96	85
7	AATREX	4 F		1 LB	A/A PRE				
8	LUMAX	3.94 SE		2.44 LB	A/A 3C		98	98	95
8	AATREX	4 F		1 LB	A/A 3C				
9	KEYSTONE	5.25 L		3.48 LB	A/A PRE		91	91	80
9	AATREX	4 F		0.5 LB	A/A PRE				
10	KEYSTONE	5.25 L		3.48 LB	A/A PRE		96	96	95
10	AATREX	4 F		0.5 LB	A/A PRE				
10	OPTION	35 WG		0.033 LB	A/A MP				
10	HORNET	68.5 WG		0.128 LB	A/A MP				
10	MSO	L		0.75 QT/A	MP				
10	AMS	100 SG		2 LB	A/A MP				
11	KEYSTONE	5.25 L		3.48 LB	A/A PRE		96	96	93
11	AATREX	4 F		0.5 LB	A/A PRE				
11	HORNET	68.5 WG		0.128 LB	A/A MP				
11	MSO	L		0.75 QT/A	MP				
11	AMS	100 SG		2 LB	A/A MP				
12	KEYSTONE	5.25 L		3.48 LB	A/A PRE		95	93	80
12	HORNET	68.5 WG		0.128 LB	A/A PRE				
12	AATREX	4 F		0.5 LB	A/A PRE				
13	CINCH ATZ	5.5 L		2.89 LB	A/A PRE		87	88	75
14	CINCH ATZ	5.5 L		1.51 LB	A/A PRE		93	95	95
14	STEADFAST ATZ	89.3 DF		0.78 LB	A/A MP				
14	COC	L		1 QT/A	MP				
14	LIQUID N	L		1 QT/A	MP				

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

CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS
Crop Code			
Rating Data Type	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	Form	Rate	Grow				
		Conc	Type	Rate	Unit	Stg			
15	BASIS	75	DF	0.035	LB A/A	PRE	88	90	78
15	PRINCEP	4	F	1	LB A/A	PRE			
15	AATREX	4	F	1	LB A/A	PRE			
16	AATREX	4	F	1.5	LB A/A	PRE	95	95	93
16	STEADFAST ATZ	89.3	DF	0.78	LB A/A	MP			
16	CALLISTO	4	SC	0.063	LB A/A	MP			
16	COC		L	1	QT/A	MP			
16	LIQUID N		L	1	QT/A	MP			
	LSD (P=.05)						11.7	11.4	8.6
	Standard Deviation						7.0	6.8	5.1
	CV						7.7	7.42	6.06

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

CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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:** 2.5 **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:	04-28-03	05-16-03	06-02-03
Time of Day:	3:00	11:00	1:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3C	MP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	75 F	64 F	57 F
% Relative Humidity:	65	74	65
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	61 F	67 F	63 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	15	15

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CORN PREEMERGENCE

Trial ID: C3001
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 3C	ZEAMX MP
Height, Unit:	3	IN	8 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA 3C	SETFA MP
Density, Unit:	2	IN	5 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR 3C	AMBTR MP
Density, Unit:	3	IN	6 IN
Weed 3 Code, Stage:	XANST PRE	XANST 3C	XANST MP
Density, Unit:	3	IN	5 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS 3C	IPOSS MP
Density, Unit:	2	IN	4 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:	20 IN	28 IN	34 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	XANST	AMBTR	IPOSS	ZEAMX	XANST	AMBTR
Crop Code	CONTROL		CONTROL	INJURY	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						
Rating Date						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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 Rate	Unit	Grow Stg						
1 DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	82	87	92	8	73	73
2 DEGREE XTRA	4.04	CS	2.1	LB A/A	PRE	75	78	80	4	80	80
2 BALANCE PRO	4	SC	0.053	LB A/A	PRE						
3 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	93	93	92	12	90	90
4 HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	94	93	93	20	93	93
4 BALANCE PRO	4	SC	0.053	LB A/A	PRE						
5 DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	92	93	92	4	93	90
5 HORNET	68.5	WG	0.171	LB A/A	PRE						
6 LUMAX	3.94	SE	2.96	LB A/A	PRE	93	95	95	5	93	87
7 LUMAX	3.94	SE	2.47	LB A/A	PRE	93	93	92	6	90	83
8 DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	7	7	7	0	85	93
8 COC	L		0.5	QT/A	5C						
9 DEGREE XTRA	4.04	CS	1.39	LB A/A	5C	30	30	30	2	95	93
9 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	5C						
10 HARNESS XTRA	5.6	EC	3.36	LB A/A	5C	17	17	17	0	92	93
10 COC	L		0.5	QT/A	5C						
11 HARNESS XTRA	5.6	EC	1.68	LB A/A	5C	30	30	30	0	93	95
11 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	5C						
12 DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	17	17	17	0	95	95
12 YUKON	67.5	WG	0.168	LB A/A	5C						
12 ACTIVATOR 90	L		0.25	% V/V	5C						
13 DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	23	23	23	0	95	95
13 YUKON	67.5	WG	0.168	LB A/A	5C						
13 ACTIVATOR 90	L		0.25	% V/V	5C						
13 ACCENT	75	WG	0.015	LB A/A	5C						
14 HARNESS XTRA	5.6	EC	3.36	LB A/A	5C	17	17	17	0	95	95
14 YUKON	67.5	WG	0.168	LB A/A	5C						
14 ACTIVATOR 90	L		0.25	% V/V	5C						

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	XANST	AMBTR	IPOSS	ZEAMX	XANST	AMBTR
Crop Code	CONTROL		CONTROL	INJURY CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						
Rating Date						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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 Rate	Rate Unit	Grow Stg						
15 LUMAX	3.94	SE	2.96	LB A/A	5C	13	13	13	0	95	95
15 ACTIVATOR 90		L	0.25	% V/V	5C						
16 LUMAX	3.94	SE	2.47	LB A/A	5C	0	0	0	0	95	95
16 ACTIVATOR 90		L	0.25	% V/V	5C						
17 LUMAX	3.94	SE	2.96	LB A/A	5C	23	23	23	3	95	95
17 AATREX		4 F	0.5	LB A/A	5C						
17 ACTIVATOR 90		L	0.25	% V/V	5C						
18 HARNESS XTRA	5.6	EC	1.68	LB A/A	PRE	80	78	80	9	82	70
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	30C						
19 DEGREE XTRA	4.04	CS	2.53	LB A/A	PRE	94	95	95	5	92	87
19 BALANCE PRO		4 SC	0.063	LB A/A	PRE						
20 STEADFAST	75	WG	0.035	LB A/A	5C	30	30	30	0	92	95
20 CALLISTO		4 SC	0.094	LB A/A	5C						
20 COC		L	1	QT/A	5C						
20 AMS	100	SG	2	LB A/A	5C						
LSD (P=.05)						27.5	27.6	27.5	4.9	8.8	7.5
Standard Deviation						16.6	16.7	16.7	3.0	5.3	4.5
CV						33.16	33.01	32.77	77.34	5.85	5.04

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	IPOSS	ZEAMX	XANST	AMBTR	IPOSS	ZEAMX
1 DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	87	0	65	57	65	0
2 DEGREE XTRA	4.04	CS	2.1	LB A/A	PRE	83	0	70	70	77	0
2 BALANCE PRO	4	SC	0.053	LB A/A	PRE						
3 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	92	8	82	82	85	8
4 HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	93	17	90	90	93	15
4 BALANCE PRO	4	SC	0.053	LB A/A	PRE						
5 DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	93	2	87	80	80	3
5 HORNET	68.5	WG	0.171	LB A/A	PRE						
6 LUMAX	3.94	SE	2.96	LB A/A	PRE	93	2	87	83	85	0
7 LUMAX	3.94	SE	2.47	LB A/A	PRE	87	3	88	83	87	0
8 DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	92	0	68	80	82	2
8 COC	L		0.5	QT/A	5C						
9 DEGREE XTRA	4.04	CS	1.39	LB A/A	5C	95	0	85	85	85	0
9 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	5C						
10 HARNESS XTRA	5.6	EC	3.36	LB A/A	5C	93	13	82	90	90	12
10 COC	L		0.5	QT/A	5C						
11 HARNESS XTRA	5.6	EC	1.68	LB A/A	5C	95	5	87	92	83	0
11 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	5C						
12 DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	95	7	95	93	95	2
12 YUKON	67.5	WG	0.168	LB A/A	5C						
12 ACTIVATOR 90	L		0.25	% V/V	5C						
13 DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	95	5	95	95	95	5
13 YUKON	67.5	WG	0.168	LB A/A	5C						
13 ACTIVATOR 90	L		0.25	% V/V	5C						
13 ACCENT	75	WG	0.015	LB A/A	5C						
14 HARNESS XTRA	5.6	EC	3.36	LB A/A	5C	95	20	95	95	95	16
14 YUKON	67.5	WG	0.168	LB A/A	5C						
14 ACTIVATOR 90	L		0.25	% V/V	5C						

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	IPOSS 4 WEEK	ZEAMX 4 WEEK	XANST 8 WEEK	AMBTR 8 WEEK	IPOSS 8 WEEK	ZEAMX 8 WEEK
15 LUMAX	3.94	SE	2.96	LB A/A	5C	95	3	95	95	95	7
15 ACTIVATOR 90		L	0.25	% V/V	5C						
16 LUMAX	3.94	SE	2.47	LB A/A	5C	95	3	95	93	92	3
16 ACTIVATOR 90		L	0.25	% V/V	5C						
17 LUMAX	3.94	SE	2.96	LB A/A	5C	95	3	92	92	92	2
17 AATREX		4 F	0.5	LB A/A	5C						
17 ACTIVATOR 90		L	0.25	% V/V	5C						
18 HARNESS XTRA	5.6	EC	1.68	LB A/A	PRE	87	2	63	40	73	3
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	30C						
19 DEGREE XTRA	4.04	CS	2.53	LB A/A	PRE	88	2	80	78	78	7
19 BALANCE PRO		4 SC	0.063	LB A/A	PRE						
20 STEADFAST	75	WG	0.035	LB A/A	5C	95	0	83	84	85	0
20 CALLISTO		4 SC	0.094	LB A/A	5C						
20 COC		L	1	QT/A	5C						
20 AMS	100	SG	2	LB A/A	5C						
LSD (P=.05)						5.0	5.7	15.1	15.0	10.9	6.6
Standard Deviation						3.0	3.4	9.2	9.1	6.6	4.0
CV						3.26	72.25	10.9	10.96	7.72	94.07

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002

Study Dir.: SLACK/MURPHY

Location:

Investigator: Charles Slack

Weed Code	
Crop Code	ZEAMX
Rating Data Type	YIELD
Rating Unit	BU/.A
Rating Date	
Trt-Eval Interval	15 %
ARM Action Codes	TY1
# Subsamples, Dec.	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	
1	DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	130
2	DEGREE XTRA	4.04	CS	2.1	LB A/A	PRE	144
2	BALANCE PRO	4	SC	0.053	LB A/A	PRE	
3	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	145
4	HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	160
4	BALANCE PRO	4	SC	0.053	LB A/A	PRE	
5	DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	156
5	HORNET	68.5	WG	0.171	LB A/A	PRE	
6	LUMAX	3.94	SE	2.96	LB A/A	PRE	172
7	LUMAX	3.94	SE	2.47	LB A/A	PRE	170
8	DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	154
8	COC		L	0.5	QT/A	5C	
9	DEGREE XTRA	4.04	CS	1.39	LB A/A	5C	164
9	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	5C	
10	HARNESS XTRA	5.6	EC	3.36	LB A/A	5C	175
10	COC		L	0.5	QT/A	5C	
11	HARNESS XTRA	5.6	EC	1.68	LB A/A	5C	155
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	5C	
12	DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	162
12	YUKON	67.5	WG	0.168	LB A/A	5C	
12	ACTIVATOR 90		L	0.25	% V/V	5C	
13	DEGREE XTRA	4.04	CS	2.77	LB A/A	5C	159
13	YUKON	67.5	WG	0.168	LB A/A	5C	
13	ACTIVATOR 90		L	0.25	% V/V	5C	
13	ACCENT	75	WG	0.015	LB A/A	5C	
14	HARNESS XTRA	5.6	EC	3.36	LB A/A	5C	163
14	YUKON	67.5	WG	0.168	LB A/A	5C	
14	ACTIVATOR 90		L	0.25	% V/V	5C	

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code
Crop Code ZEAMX
Rating Data Type YIELD
Rating Unit BU/.A
Rating Date
Trt-Eval Interval 15 %
ARM Action Codes TY1
Subsamples, Dec. 0

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	
15	LUMAX	3.94	SE	2.96	LB A/A	5C	167
15	ACTIVATOR 90		L	0.25	% V/V	5C	
16	LUMAX	3.94	SE	2.47	LB A/A	5C	164
16	ACTIVATOR 90		L	0.25	% V/V	5C	
17	LUMAX	3.94	SE	2.96	LB A/A	5C	159
17	AATREX		4 F	0.5	LB A/A	5C	
17	ACTIVATOR 90		L	0.25	% V/V	5C	
18	HARNESS XTRA	5.6	EC	1.68	LB A/A	PRE	159
18	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	30C	
19	DEGREE XTRA	4.04	CS	2.53	LB A/A	PRE	143
19	BALANCE PRO		4 SC	0.063	LB A/A	PRE	
20	STEADFAST	75	WG	0.035	LB A/A	5C	157
20	CALLISTO		4 SC	0.094	LB A/A	5C	
20	COC		L	1	QT/A	5C	
20	AMS	100	SG	2	LB A/A	5C	

LSD (P=.05) 31.6
Standard Deviation 19.2
CV 12.15

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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: 62 **pH:** 6.4 **Soil Name:** MAURY
% Clay: 32 **CEC:** 17 **Fert. Level:** EXCELLENT

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	04-28-03	05-16-03	06-16-03
Time of Day:	4:00	10:00	1:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	5C	30C
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	75 F	70 F	72 F
% Relative Humidity:	65	74	98
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	61 F	67 F	74 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	15	20

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CORN PREEMERGNECE ROUNDUP READY

Trial ID: C3002
Location:

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 5C	ZEAMX 30C
Height, Unit:	5	IN	30 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	XANST PRE	XANST 5C	XANST 30C
Density, Unit:	4	IN	7 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR 5C	AMBTR 30C
Density, Unit:	4	IN	8 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS 5C	IPOSS 30C
Density, Unit:	2	IN	4 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:	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	28 IN	48 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 PREEMERGENCE II

Trial ID: C3003
Location: LEXINGTON, KY

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

Weed Code				SETFA	AMBTR	XANST	IPOSS				
Crop Code				ZEAMX				ZEAMX			
Rating Data Type				INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY		
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Trt-Eval Interval				2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 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 Rate	Unit	Grow Stg						
1 V-10136	1 EC		0.094 LB	A/A PRE		0	90	43	43	50	0
2 V-10136	1 EC		0.156 LB	A/A PRE		0	93	75	77	75	0
3 V-10136	1 EC		0.094 LB	A/A PRE		0	96	73	73	75	0
3 DUAL II MAGNUM	7.6 EC		1.1 LB	A/A PRE							
4 V-10136	1 EC		0.156 LB	A/A PRE		0	95	73	73	77	0
4 DUAL II MAGNUM	7.6 EC		1.1 LB	A/A PRE							
5 V-10136	1 EC		0.094 LB	A/A PRE		0	94	90	90	92	0
5 AATREX	4 F		1 LB	A/A PRE							
6 BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		0	98	92	92	92	0
7 BALANCE PRO	4 SC		0.078 LB	A/A PRE		0	99	95	95	97	0
7 DUAL II MAGNUM	7.6 EC		1.59 LB	A/A PRE							
8 DEGREE XTRA	4.04 CS		2.8 LB	A/A PRE		0	100	99	99	99	0
9 KEYSTONE	5.25 L		3.48 LB	A/A PRE		0	99	97	98	98	0
9 AATREX	4 F		0.5 LB	A/A PRE							
10 EPIC	58 DF		0.47 LB	A/A PRE		0	99	96	96	97	0
11 LUMAX	3.94 SE		2.46 LB	A/A PRE		0	99	90	94	96	0
12 CHECK UNTREATED						0	0	0	0	0	0
LSD (P=.05)						0.0	5.4	11.0	10.5	13.0	0.0
Standard Deviation						0.0	3.2	6.5	6.2	7.7	0.0
CV						0.0	3.59	8.42	7.99	9.73	0.0

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CORN PREEMERGENCE II

Trial ID: C3003
Location: LEXINGTON, KY

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

Weed Code				SETFA	AMBTR	XANST	IPOSS		SETFA
Crop Code								ZEAMX	
Rating Data Type				CONTROL	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	Form Form	Rate	Grow						
No. Name	Conc Type Rate	Unit	Stg						
1 V-10136	1 EC	0.094 LB	A/A PRE	90	37	37	48	0	90
2 V-10136	1 EC	0.156 LB	A/A PRE	93	68	72	72	0	90
3 V-10136	1 EC	0.094 LB	A/A PRE	96	65	65	68	0	96
3 DUAL II MAGNUM	7.6 EC	1.1 LB	A/A PRE						
4 V-10136	1 EC	0.156 LB	A/A PRE	95	67	67	70	0	95
4 DUAL II MAGNUM	7.6 EC	1.1 LB	A/A PRE						
5 V-10136	1 EC	0.094 LB	A/A PRE	93	82	80	82	0	93
5 AATREX	4 F	1 LB	A/A PRE						
6 BICEP II MAGNUM	5.5 L	2.89 LB	A/A PRE	98	85	85	87	0	98
7 BALANCE PRO	4 SC	0.078 LB	A/A PRE	99	87	88	90	0	99
7 DUAL II MAGNUM	7.6 EC	1.59 LB	A/A PRE						
8 DEGREE XTRA	4.04 CS	2.8 LB	A/A PRE	100	93	93	90	0	100
9 KEYSTONE	5.25 L	3.48 LB	A/A PRE	99	93	93	93	0	99
9 AATREX	4 F	0.5 LB	A/A PRE						
10 EPIC	58 DF	0.47 LB	A/A PRE	99	88	90	83	0	99
11 LUMAX	3.94 SE	2.46 LB	A/A PRE	99	88	88	90	0	99
12 CHECK UNTREATED				0	0	0	0	0	0
LSD (P=.05)				6.3	16.1	16.2	19.0	0.0	6.1
Standard Deviation				3.7	9.5	9.6	11.2	0.0	3.6
CV				4.21	13.35	13.38	15.44	0.0	4.06

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

Trial ID: C3003
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS
Crop Code			
Rating Data Type	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 Rate	Rate Unit	Grow Stg	AMBTR	XANST	IPOSS
1	V-10136	1 EC		0.094 LB	A/A PRE		30	30	45
2	V-10136	1 EC		0.156 LB	A/A PRE		50	53	63
3	V-10136	1 EC		0.094 LB	A/A PRE		55	55	58
3	DUAL II MAGNUM	7.6 EC		1.1 LB	A/A PRE				
4	V-10136	1 EC		0.156 LB	A/A PRE		57	57	60
4	DUAL II MAGNUM	7.6 EC		1.1 LB	A/A PRE				
5	V-10136	1 EC		0.094 LB	A/A PRE		68	67	72
5	AATREX	4 F		1 LB	A/A PRE				
6	BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		73	73	72
7	BALANCE PRO	4 SC		0.078 LB	A/A PRE		73	77	80
7	DUAL II MAGNUM	7.6 EC		1.59 LB	A/A PRE				
8	DEGREE XTRA	4.04 CS		2.8 LB	A/A PRE		85	85	80
9	KEYSTONE	5.25 L		3.48 LB	A/A PRE		80	80	82
9	AATREX	4 F		0.5 LB	A/A PRE				
10	EPIC	58 DF		0.47 LB	A/A PRE		73	78	73
11	LUMAX	3.94 SE		2.46 LB	A/A PRE		77	77	83
12	CHECK UNTREATED						0	0	0
LSD (P=.05)							13.4	14.4	17.1
Standard Deviation							7.9	8.5	10.1
CV							13.18	13.98	15.78

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

CORN PREEMERGENCE II

Trial ID: C3003
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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

Overall Moisture Conditions: NORMAL

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

APPLICATION DESCRIPTION

A

Application Date: 04-28-03
Time of Day: 2:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 75 F
% Relative Humidity: 65
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 61 F
Soil Moisture: ADEQUATE
% Cloud Cover: 15

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CORN PREEMERGENCE II

Trial ID: C3003
Location: LEXINGTON, KY

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

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: XANST PRE

Weed 4 Code, Stage: IPOSS 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: 20 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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NO-TILL CORN

Trial ID: C3004
Location: LEXINGTON, KY

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

Weed Code	CHEAL	SETFA	TAROF	CHEAL	AMACH	SETFA
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Weed Stage	BURNDOWN					
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 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 Rate Unit	Grow Stg						
1 CHECK UNTREATED					0	0	0	0	0	0
2 EXPERT	4.85	SC	3.64 LB A/A PRE		100	96	58	97	96	90
2 AMS	100	SG	2.5 LB A/A PRE							
3 EXPERT	4.85	SC	4.55 LB A/A PRE		100	98	63	97	93	93
3 AMS	100	SG	2.5 LB A/A PRE							
4 FIELDMASTER	4.25	EC	4.25 LB A/A PRE		100	95	40	95	93	88
4 AMS	100	SG	2.5 LB A/A PRE							
5 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		100	93	40	93	93	90
5 AMS	100	SG	2.5 LB A/A PRE							
6 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		100	98	95	97	97	95
6 COC		L	1 QT/A PRE							
6 EXPERT	4.85	SC	3.03 LB A/A EP							
7 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		100	99	97	98	97	94
7 COC		L	1 QT/A PRE							
7 EXPERT	4.85	SC	4.85 LB A/A EP							
8 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		100	96	96	97	97	91
8 COC		L	1 QT/A PRE							
8 FIELDMASTER	4.25	EC	4.25 LB A/A EP							
9 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		100	97	87	95	95	92
9 COC		L	1 QT/A PRE							
9 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A EP							
9 AMS	100	SG	2.5 LB A/A EP							
10 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		100	95	95	95	95	87
10 AMS	100	SG	2.5 LB A/A PRE							
10 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A EP							
10 AMS	100	SG	2.5 LB A/A EP							
LSD (P=.05)					0.0	3.8	24.7	3.5	4.3	6.3
Standard Deviation					0.0	2.6	17.0	2.4	3.0	4.4
CV					0.0	3.02	25.48	2.8	3.46	5.32

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NO-TILL CORN

Trial ID: C3004
Location: LEXINGTON, KY

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

Weed Code	TAROF	CHEAL	AMACH	SETFA	TAROF	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Weed Stage						
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 Rate Unit	Grow Stg						
1 CHECK UNTREATED					0	0	0	0	0	0
2 EXPERT	4.85	SC	3.64 LB A/A PRE		38	93	93	86	33	93
2 AMS	100	SG	2.5 LB A/A PRE							
3 EXPERT	4.85	SC	4.55 LB A/A PRE		45	93	86	86	40	93
3 AMS	100	SG	2.5 LB A/A PRE							
4 FIELDMASTER	4.25	EC	4.25 LB A/A PRE		23	91	90	86	23	91
4 AMS	100	SG	2.5 LB A/A PRE							
5 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		13	83	84	85	13	66
5 AMS	100	SG	2.5 LB A/A PRE							
6 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		90	95	94	95	86	95
6 COC		L	1 QT/A PRE							
6 EXPERT	4.85	SC	3.03 LB A/A EP							
7 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		92	95	95	94	88	93
7 COC		L	1 QT/A PRE							
7 EXPERT	4.85	SC	4.85 LB A/A EP							
8 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		93	94	94	91	89	93
8 COC		L	1 QT/A PRE							
8 FIELDMASTER	4.25	EC	4.25 LB A/A EP							
9 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		75	88	88	88	73	78
9 COC		L	1 QT/A PRE							
9 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A EP							
9 AMS	100	SG	2.5 LB A/A EP							
10 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		81	87	88	85	75	76
10 AMS	100	SG	2.5 LB A/A PRE							
10 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A EP							
10 AMS	100	SG	2.5 LB A/A EP							
LSD (P=.05)					24.4	4.6	5.5	10.1	21.3	7.9
Standard Deviation					16.8	3.2	3.8	7.0	14.7	5.5
CV					30.64	3.91	4.71	8.77	28.42	7.02

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NO-TILL CORN

Trial ID: C3004
Location: LEXINGTON, KY

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

Weed Code AMACH
Crop Code
Rating Data Type CONTROL YIELDS
Rating Unit PERCENT BU/A
Weed Stage
Trt-Eval Interval 8 WEEK
ARM Action Codes P TY1
Subsamples, Dec. 0 0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg		
1 CHECK UNTREATED						0	18
2 EXPERT	4.85	SC	3.64	LB A/A	PRE	90	160
2 AMS	100	SG	2.5	LB A/A	PRE		
3 EXPERT	4.85	SC	4.55	LB A/A	PRE	85	162
3 AMS	100	SG	2.5	LB A/A	PRE		
4 FIELDMASTER	4.25	EC	4.25	LB A/A	PRE	90	154
4 AMS	100	SG	2.5	LB A/A	PRE		
5 ROUNDUP WeatherMAX	5.5	SL	0.91	LB A/A	PRE	70	83
5 AMS	100	SG	2.5	LB A/A	PRE		
6 GRAMOXONE MAX	3	AS	0.49	LB A/A	PRE	94	178
6 COC		L	1	QT/A	PRE		
6 EXPERT	4.85	SC	3.03	LB A/A	EP		
7 GRAMOXONE MAX	3	AS	0.49	LB A/A	PRE	93	184
7 COC		L	1	QT/A	PRE		
7 EXPERT	4.85	SC	4.85	LB A/A	EP		
8 GRAMOXONE MAX	3	AS	0.49	LB A/A	PRE	93	190
8 COC		L	1	QT/A	PRE		
8 FIELDMASTER	4.25	EC	4.25	LB A/A	EP		
9 GRAMOXONE MAX	3	AS	0.49	LB A/A	PRE	80	175
9 COC		L	1	QT/A	PRE		
9 ROUNDUP WeatherMAX	5.5	SL	0.91	LB A/A	EP		
9 AMS	100	SG	2.5	LB A/A	EP		
10 ROUNDUP WeatherMAX	5.5	SL	0.91	LB A/A	PRE	76	177
10 AMS	100	SG	2.5	LB A/A	PRE		
10 ROUNDUP WeatherMAX	5.5	SL	0.69	LB A/A	EP		
10 AMS	100	SG	2.5	LB A/A	EP		
LSD (P=.05)						9.1	33.2
Standard Deviation						6.3	22.9
CV						8.12	15.47

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

NO-TILL CORN

Trial ID: C3004
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.
5.	TRZAW WHEAT, WINTER	TRITICUM AESTIVUM L.

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 05-01-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** ROUGH/TRASHY
Soil Temperature: 65 F **Soil Moisture:** NORMAL **Emergence Date:** 05-10-03

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

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

NO-TILL CORN

Trial ID: C3004
Location: LEXINGTON, KYStudy Dir.: CHARLES H. SLACK
Investigator: Charles Slack**APPLICATION DESCRIPTION**

	A		B	
Application Date:	05-01-03		05-19-03	
Time of Day:	2:00		3:00	
Application Method:	SPRAY		SPRAY	
Application Timing:	PRE		EP	
Applic. Placement:	BROSOI		BROFOL	
Air Temp., Unit:	70	F	64	F
% Relative Humidity:	68		91	
Wind Velocity, Unit:	3	MPH	4	MPH
Dew Presence (Y/N):	N		N	
Soil Temp., Unit:	65	F	68	F
Soil Moisture:	ADEQUATE		ADEQUATE	
% Cloud Cover:	10		15	

CROP STAGE AT EACH APPLICATION

	A		B	
Crop 1 Code, Stage:	ZEAMX	PRE	ZEAMX	EP
Height, Unit:			4	IN

WEED STAGE AT EACH APPLICATION

	A		B	
Weed 1 Code, Stage:	SETFA	PRE	SETFA	EP
Density, Unit:			3	IN
Weed 2 Code, Stage:	TAROF	PRE	TAROF	EP
Density, Unit:			3	IN
Weed 3 Code, Stage:	CHEAL	PRE	CHEAL	EP
Density, Unit:			5	IN
Weed 4 Code, Stage:	AMACH	PRE	AMACH	EP
Density, Unit:			4	IN
Weed 5 Code, Stage:	TRZAW		TRZAW	

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:	10	FT	10	FT
Boom Height, Unit:	20	IN	28	IN
Ground Speed, Unit:	4	MPH	3	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 CORN STALKLAND

Trial ID: C3004-2
Location: LEXINGTON, KY

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

Weed Code	ZEAMX				SETFA	LACSE
Crop Code	INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						
Rating Date						
Weed Stage	BURNDOWN		BURNDOWN		BURNDOWN	
Trt-Eval Interval	1 WEEK	2 WEEK	4 WEEK	8 WEEK	2 WEEK	2 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 Rate Unit	Grow Stg	1 WEEK	2 WEEK	4 WEEK	8 WEEK	2 WEEK	2 WEEK
1 CHECK UNTREATED					0	0	0	0	0	0
2 EXPERT	4.85	SC	3.64 LB A/A	PRE	0	0	0	0	100	98
2 AMS	100	SG	2.5 LB A/A	PRE						
3 EXPERT	4.85	SC	4.55 LB A/A	PRE	0	0	0	0	100	99
3 AMS	100	SG	2.5 LB A/A	PRE						
4 FIELDMASTER	4.25	EC	4.25 LB A/A	PRE	0	0	0	0	100	99
4 AMS	100	SG	2.5 LB A/A	PRE						
5 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A	PRE	0	0	0	0	100	98
5 AMS	100	SG	2.5 LB A/A	PRE						
6 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	0	0	0	0	100	98
6 COC		L	1 QT/A	PRE						
6 EXPERT	4.85	SC	3.03 LB A/A	EP						
7 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	0	0	0	0	100	100
7 COC		L	1 QT/A	PRE						
7 EXPERT	4.85	SC	4.85 LB A/A	EP						
8 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	0	0	0	0	100	100
8 COC		L	1 QT/A	PRE						
8 FIELDMASTER	4.25	EC	4.25 LB A/A	EP						
9 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	0	0	0	0	100	98
9 COC		L	1 QT/A	PRE						
9 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A	EP						
9 AMS	100	SG	2.5 LB A/A	EP						
10 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A	PRE	0	0	0	0	100	98
10 AMS	100	SG	2.5 LB A/A	PRE						
10 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A	EP						
10 AMS	100	SG	2.5 LB A/A	EP						
LSD (P=.05)					0.0	0.0	0.0	0.0	0.0	3.5
Standard Deviation					0.0	0.0	0.0	0.0	0.0	2.0
CV					0.0	0.0	0.0	0.0	0.0	2.3

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

NO-TILL CORN STALKLAND

Trial ID: C3004-2
Location: LEXINGTON, KY

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

Weed Code	STEME	ERICA	SETFA	XANST	AMBTR	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Weed Stage	BURNDOWN	BURNDOWN				
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 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	STEME	ERICA	SETFA	XANST	AMBTR	CHEAL
1 CHECK UNTREATED					0	0	0	0	0	0
2 EXPERT	4.85	SC	3.64 LB A/A	PRE	100	96	93	78	78	92
2 AMS	100	SG	2.5 LB A/A	PRE						
3 EXPERT	4.85	SC	4.55 LB A/A	PRE	100	99	98	96	366	99
3 AMS	100	SG	2.5 LB A/A	PRE						
4 FIELDMASTER	4.25	EC	4.25 LB A/A	PRE	100	93	95	86	358	95
4 AMS	100	SG	2.5 LB A/A	PRE						
5 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A	PRE	100	98	17	70	280	87
5 AMS	100	SG	2.5 LB A/A	PRE						
6 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	100	94	100	99	99	99
6 COC		L	1 QT/A	PRE						
6 EXPERT	4.85	SC	3.03 LB A/A	EP						
7 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	100	100	100	100	100	100
7 COC		L	1 QT/A	PRE						
7 EXPERT	4.85	SC	4.85 LB A/A	EP						
8 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	100	100	100	99	99	100
8 COC		L	1 QT/A	PRE						
8 FIELDMASTER	4.25	EC	4.25 LB A/A	EP						
9 GRAMOXONE MAX	3	AS	0.49 LB A/A	PRE	100	100	97	95	97	99
9 COC		L	1 QT/A	PRE						
9 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A	EP						
9 AMS	100	SG	2.5 LB A/A	EP						
10 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A	PRE	100	99	98	98	98	99
10 AMS	100	SG	2.5 LB A/A	PRE						
10 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A	EP						
10 AMS	100	SG	2.5 LB A/A	EP						
LSD (P=.05)					0.0	6.6	5.7	10.2	361.5	8.9
Standard Deviation					0.0	3.9	3.3	6.0	210.7	5.2
CV					0.0	4.38	4.15	7.25	133.85	6.0

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

NO-TILL CORN STALKLAND

Trial ID: C3004-2
Location: LEXINGTON, KY

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

Weed Code	ERICA	SETFA	XANST	AMBTR	CHEAL	ERICA
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Weed Stage						
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 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	ERICA	SETFA	XANST	AMBTR	CHEAL	ERICA
1 CHECK UNTREATED					0	0	0	0	0	0
2 EXPERT	4.85	SC	3.64 LB A/A PRE		92	90	68	68	88	92
2 AMS	100	SG	2.5 LB A/A PRE							
3 EXPERT	4.85	SC	4.55 LB A/A PRE		99	94	91	93	98	99
3 AMS	100	SG	2.5 LB A/A PRE							
4 FIELDMASTER	4.25	EC	4.25 LB A/A PRE		93	88	80	82	94	93
4 AMS	100	SG	2.5 LB A/A PRE							
5 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		94	13	57	57	77	94
5 AMS	100	SG	2.5 LB A/A PRE							
6 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		99	98	97	97	98	99
6 COC		L	1 QT/A PRE							
6 EXPERT	4.85	SC	3.03 LB A/A EP							
7 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		100	99	99	99	99	100
7 COC		L	1 QT/A PRE							
7 EXPERT	4.85	SC	4.85 LB A/A EP							
8 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		99	99	97	97	99	99
8 COC		L	1 QT/A PRE							
8 FIELDMASTER	4.25	EC	4.25 LB A/A EP							
9 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		69	90	93	93	97	99
9 COC		L	1 QT/A PRE							
9 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A EP							
9 AMS	100	SG	2.5 LB A/A EP							
10 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		99	93	93	93	96	99
10 AMS	100	SG	2.5 LB A/A PRE							
10 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A EP							
10 AMS	100	SG	2.5 LB A/A EP							
LSD (P=.05)					28.9	7.7	11.6	11.2	8.0	3.8
Standard Deviation					16.8	4.5	6.8	6.5	4.6	2.2
CV					19.99	5.88	8.75	8.4	5.49	2.54

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

Trial ID: C3004-2
Location: LEXINGTON, KY

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

Weed Code	SETFA	XANST	AMBTR	CHEAL	ERICA	ZEAMX
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Rating Date						
Weed Stage						
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	SETFA	XANST	AMBTR	CHEAL	ERICA	ZEAMX
1 CHECK UNTREATED					0	0	0	0	0	49
2 EXPERT	4.85	SC	3.64 LB A/A PRE		85	63	63	87	92	201
2 AMS	100	SG	2.5 LB A/A PRE							
3 EXPERT	4.85	SC	4.55 LB A/A PRE		89	88	89	98	99	264
3 AMS	100	SG	2.5 LB A/A PRE							
4 FIELDMASTER	4.25	EC	4.25 LB A/A PRE		87	77	78	94	93	235
4 AMS	100	SG	2.5 LB A/A PRE							
5 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		13	57	57	77	93	168
5 AMS	100	SG	2.5 LB A/A PRE							
6 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		98	97	97	98	99	255
6 COC		L	1 QT/A PRE							
6 EXPERT	4.85	SC	3.03 LB A/A EP							
7 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		99	99	99	99	100	263
7 COC		L	1 QT/A PRE							
7 EXPERT	4.85	SC	4.85 LB A/A EP							
8 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		99	97	97	99	99	232
8 COC		L	1 QT/A PRE							
8 FIELDMASTER	4.25	EC	4.25 LB A/A EP							
9 GRAMOXONE MAX	3	AS	0.49 LB A/A PRE		90	93	93	97	99	260
9 COC		L	1 QT/A PRE							
9 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A EP							
9 AMS	100	SG	2.5 LB A/A EP							
10 ROUNDUP WeatherMAX	5.5	SL	0.91 LB A/A PRE		93	92	90	93	98	254
10 AMS	100	SG	2.5 LB A/A PRE							
10 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A EP							
10 AMS	100	SG	2.5 LB A/A EP							
LSD (P=.05)					7.2	14.4	14.0	7.5	3.6	40.6
Standard Deviation					4.2	8.4	8.2	4.4	2.1	23.7
CV					5.55	11.04	10.73	5.23	2.43	10.85

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

NO-TILL CORN STALKLAND

Trial ID: C3004-2
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 05-01-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 65 F **Soil Moisture:** NORMAL **Emergence Date:** 05-10-03

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6 **% OM:** 2.6 **Texture:** SILT LOAM
% Silt: 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
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NO-TILL CORN STALKLAND

Trial ID: C3004-2
Location: LEXINGTON, KY

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

APPLICATION DESCRIPTION

	A	B
Application Date:	05-01-03	05-19-03
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	EP
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	70 F	64 F
% Relative Humidity:	68	91
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	65 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	15

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX EP
Height, Unit:		4 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA EP
Density, Unit:	2 IN	3 IN
Weed 2 Code, Stage:	LACSE PRE	LACSE EP
Density, Unit:	8 IN	3 IN
Weed 3 Code, Stage:	STEME PRE	STEME EP
Density, Unit:	10 IN	2 IN
Weed 4 Code, Stage:	ERICA PRE	ERICA EP
Density, Unit:	8 IN	4 IN
Weed 5 Code, Stage:	SETFA PRE	SETFA EP
Density, Unit:	2 IN	3 IN
Weed 6 Code, Stage:	XANST PRE	XANST EP
Density, Unit:	2 IN	4 IN
Weed 7 Code, Stage:	AMBTR PRE	AMBTR EP
Density, Unit:	4 IN	6 IN
Weed 8 Code, Stage:	CHEAL PRE	CHEAL EP
Density, Unit:	2-4 IN	4-6 IN
Weed 9 Code, Stage:	ERICA PRE	ERICA EP
Density, Unit:	8 IN	4 IN

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	20 IN	28 IN
Ground Speed, Unit:	4 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

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CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

Weed Code					SETFA	AMBTR	XANST	IPOSS			
Crop Code					ZEAMX				ZEAMX		
Rating Data Type					INJURY	CONTROL	CONTROL	CONTROL	INJURY		
Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Trt-Eval Interval					2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK		
ARM Action Codes					P	P	P	P	P		
# Subsamples, Dec.					0	0	0	0	0		
Trt Treatment	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
1 CHECK UNTREATED						0	0	0	0		
2 CAMIX	3.67	SE	1.84	LB	A/A PRE	0	100	90	90	95	0
3 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	100	98	98	98	0
4 CAMIX	3.67	SE	1.84	LB	A/A PRE	0	100	94	94	95	0
4 PRINCEP	4	F	1	LB	A/A PRE						
5 CAMIX	3.67	SE	1.84	LB	A/A PRE	0	100	94	94	95	0
5 AATREX	4	F	1	LB	A/A PRE						
6 CAMIX	3.67	SE	1.84	LB	A/A PRE	0	100	98	98	98	0
6 AATREX	4	F	2	LB	A/A PRE						
7 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	100	98	98	98	0
7 AATREX	4	F	0.5	LB	A/A PRE						
8 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	100	97	97	98	0
8 AATREX	4	F	1	LB	A/A PRE						
9 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	100	98	98	98	0
9 AATREX	4	F	1.25	LB	A/A PRE						
10 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	100	94	94	96	0
10 PRINCEP	4	F	0.5	LB	A/A PRE						
11 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	100	97	97	97	0
11 PRINCEP	4	F	1	LB	A/A PRE						
12 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	100	98	98	98	0
13 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	100	95	97	98	0
13 CALLISTO	4	SC	0.169	LB	A/A PRE						
14 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	100	99	99	99	0
14 PRINCEP	4	F	1	LB	A/A PRE						
15 HARNESS XTRA	5.6	EC	3.5	LB	A/A PRE	0	100	95	95	97	0
16 KEYSTONE	5.25	L	2.76	LB	A/A PRE	0	100	96	98	99	0
16 HORNET	68.5	WG	0.128	LB	A/A PRE						

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CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

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

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)						0.0 0.0 5.7 5.2 3.7 0.0
Standard Deviation						0.0 0.0 3.4 3.1 2.2 0.0
CV						0.0 0.0 3.79 3.43 2.4 0.0

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

Weed Code				SETFA	AMBTR	XANST	IPOSS		SETFA		
Crop Code								ZEAMX			
Rating Data Type				CONTROL	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	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
1 CHECK UNTREATED						0	0	0	0		
2 CAMIX	3.67	SE	1.84	LB	A/A PRE	100	83	87	92	0	100
3 LUMAX	3.94	SE	2.46	LB	A/A PRE	100	93	93	93	0	100
4 CAMIX	3.67	SE	1.84	LB	A/A PRE	100	90	90	93	0	100
4 PRINCEP	4	F	1	LB	A/A PRE						
5 CAMIX	3.67	SE	1.84	LB	A/A PRE	100	93	94	95	0	100
5 AATREX	4	F	1	LB	A/A PRE						
6 CAMIX	3.67	SE	1.84	LB	A/A PRE	100	93	93	93	0	100
6 AATREX	4	F	2	LB	A/A PRE						
7 LUMAX	3.94	SE	2.46	LB	A/A PRE	100	95	95	95	0	100
7 AATREX	4	F	0.5	LB	A/A PRE						
8 LUMAX	3.94	SE	2.46	LB	A/A PRE	100	93	93	94	0	100
8 AATREX	4	F	1	LB	A/A PRE						
9 LUMAX	3.94	SE	2.46	LB	A/A PRE	100	95	95	95	0	100
9 AATREX	4	F	1.25	LB	A/A PRE						
10 LUMAX	3.94	SE	2.46	LB	A/A PRE	100	90	90	92	0	100
10 PRINCEP	4	F	0.5	LB	A/A PRE						
11 LUMAX	3.94	SE	2.46	LB	A/A PRE	100	93	95	93	0	100
11 PRINCEP	4	F	1	LB	A/A PRE						
12 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	100	92	92	95	0	100
13 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	100	93	95	96	0	100
13 CALLISTO	4	SC	0.169	LB	A/A PRE						
14 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	100	97	97	96	0	100
14 PRINCEP	4	F	1	LB	A/A PRE						
15 HARNESS XTRA	5.6	EC	3.5	LB	A/A PRE	100	89	90	95	0	100
16 KEYSTONE	5.25	L	2.76	LB	A/A PRE	100	90	92	93	0	98
16 HORNET	68.5	WG	0.128	LB	A/A PRE						

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CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS		SETFA
Crop Code					ZEAMX	
Rating Data Type	CONTROL	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	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)	0.0		6.6		5.7	5.1
Standard Deviation	0.0		4.0		3.4	3.0
CV	0.0		4.59		3.95	3.46
						0.0
						1.2
						0.7
						0.77

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS	ZEAMX
Crop Code				
Rating Data Type	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	XANST	IPOSS	ZEAMX
1	CHECK UNTREATED						0	0	0	17
2	CAMIX	3.67	SE	1.84	LB A/A	PRE	77	78	83	139
3	LUMAX	3.94	SE	2.46	LB A/A	PRE	85	85	88	150
4	CAMIX	3.67	SE	1.84	LB A/A	PRE	80	80	87	131
4	PRINCEP	4	F	1	LB A/A	PRE				
5	CAMIX	3.67	SE	1.84	LB A/A	PRE	83	85	90	150
5	AATREX	4	F	1	LB A/A	PRE				
6	CAMIX	3.67	SE	1.84	LB A/A	PRE	87	87	90	161
6	AATREX	4	F	2	LB A/A	PRE				
7	LUMAX	3.94	SE	2.46	LB A/A	PRE	87	87	88	152
7	AATREX	4	F	0.5	LB A/A	PRE				
8	LUMAX	3.94	SE	2.46	LB A/A	PRE	87	87	90	150
8	AATREX	4	F	1	LB A/A	PRE				
9	LUMAX	3.94	SE	2.46	LB A/A	PRE	87	87	88	158
9	AATREX	4	F	1.25	LB A/A	PRE				
10	LUMAX	3.94	SE	2.46	LB A/A	PRE	82	85	83	139
10	PRINCEP	4	F	0.5	LB A/A	PRE				
11	LUMAX	3.94	SE	2.46	LB A/A	PRE	88	88	88	161
11	PRINCEP	4	F	1	LB A/A	PRE				
12	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	82	82	85	144
13	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	90	92	92	145
13	CALLISTO	4	SC	0.169	LB A/A	PRE				
14	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	85	87	87	142
14	PRINCEP	4	F	1	LB A/A	PRE				
15	HARNESS XTRA	5.6	EC	3.5	LB A/A	PRE	75	75	85	160
16	KEYSTONE	5.25	L	2.76	LB A/A	PRE	82	83	82	168
16	HORNET	68.5	WG	0.128	LB A/A	PRE				

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

CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS	
Crop Code				ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0

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

LSD (P=.05)	8.3	7.7	7.2	36.4
Standard Deviation	5.0	4.6	4.3	21.8
CV	6.38	5.84	5.26	15.42

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

CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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: 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**

Application Date: 04-28-03
Time of Day: 4:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 75 F
% Relative Humidity: 65
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 61 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

CORN PREEMERGENCE III

Trial ID: C3005
Location: LEXINGTON, KY

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

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: XANST PRE

Weed 4 Code, Stage: IPOSS 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: 10 FT
Boom Height, Unit: 20 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

Dept. of Agronomy, Univ. of Ky
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CORN PREEMERGENCE IV

Trial ID: C3006
Location: LEXINGTON, KY

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

Weed Code	ZEAMX		SETFA	AMBTR	IPOSS	ZEAMX	
Crop Code	INJURY	INJURY	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit							
Rating Date							
Trt-Eval Interval	1 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	
ARM Action Codes	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
1 CHECK UNTREATED						0	0	0	0	0	0
2 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	0	98	95	95	0
3 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	0	98	95	97	0
3 AATREX	4	F	1	LB	A/A PRE						
4 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	0	98	96	96	0
4 PRINCEP	4	F	1	LB	A/A PRE						
5 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	0	98	88	90	0
6 HARNESS XTRA	5.6	EC	3.42	LB	A/A PRE	0	0	98	94	94	0
7 EPIC	58	DF	0.44	LB	A/A PRE	0	0	98	90	88	0
8 KEYSTONE	5.25	L	3.42	LB	A/A PRE	0	0	98	92	92	0
9 KEYSTONE	5.25	L	3.42	LB	A/A PRE	0	0	98	97	94	0
9 HORNET	68.5	WG	0.129	LB	A/A PRE						
10 KEYSTONE	5.25	L	3.42	LB	A/A PRE	0	0	98	95	95	0
10 BALANCE PRO	4	SC	0.07	LB	A/A PRE						
11 GUARDSMAN MAX	5	E	2.5	LB	A/A PRE	0	0	98	92	90	0
12 CAMIX	3.67	SE	1.84	LB	A/A PRE	0	0	98	92	92	0
12 PRINCEP	4	F	1	LB	A/A PRE						
LSD (P=.05)						0.0	0.0	0.0	4.4	5.7	0.0
Standard Deviation						0.0	0.0	0.0	2.6	3.4	0.0
CV						0.0	0.0	0.0	3.03	3.96	0.0

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Weed Science Field Research

CORN PREEMERGENCE IV

Trial ID: C3006
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	IPOSS	ZEAMX	SETFA	AMBTR
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
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	SETFA	AMBTR	IPOSS	ZEAMX	SETFA	AMBTR
1 CHECK UNTREATED						0	0	0	0	0	0
2 LUMAX	3.94	SE	2.46	LB	A/A PRE	98	90	90	0	98	83
3 LUMAX	3.94	SE	2.46	LB	A/A PRE	98	90	93	0	98	85
3 AATREX	4	F	1	LB	A/A PRE						
4 LUMAX	3.94	SE	2.46	LB	A/A PRE	98	92	92	0	98	87
4 PRINCEP	4	F	1	LB	A/A PRE						
5 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	98	78	82	0	98	70
6 HARNESS XTRA	5.6	EC	3.42	LB	A/A PRE	98	88	88	0	98	75
7 EPIC	58	DF	0.44	LB	A/A PRE	98	82	85	0	98	67
8 KEYSTONE	5.25	L	3.42	LB	A/A PRE	98	88	88	0	95	82
9 KEYSTONE	5.25	L	3.42	LB	A/A PRE	98	93	92	0	98	87
9 HORNET	68.5	WG	0.129	LB	A/A PRE						
10 KEYSTONE	5.25	L	3.42	LB	A/A PRE	98	93	92	0	98	85
10 BALANCE PRO	4	SC	0.07	LB	A/A PRE						
11 GUARDSMAN MAX	5	E	2.5	LB	A/A PRE	98	83	85	0	98	68
12 CAMIX	3.67	SE	1.84	LB	A/A PRE	98	82	85	0	98	72
12 PRINCEP	4	F	1	LB	A/A PRE						
LSD (P=.05)						0.0	7.8	6.6	0.0	2.3	8.7
Standard Deviation						0.0	4.6	3.9	0.0	1.3	5.1
CV						0.0	5.73	4.8	0.0	1.49	7.16

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CORN PREEMERGENCE IV

Trial ID: C3006
Location: LEXINGTON, KY

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

Weed Code	IPOSS
Crop Code	ZEAMX
Rating Data Type	CONTROL YIELD
Rating Unit	PERCENT BU/A
Rating Date	
Trt-Eval Interval	8 WEEK 15 %
ARM Action Codes	P TY1
# Subsamples, Dec.	0 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	IPOSS CONTROL PERCENT	ZEAMX YIELD BU/A
1	CHECK UNTREATED						0	15
2	LUMAX	3.94	SE	2.46	LB A/A PRE		85	145
3	LUMAX	3.94	SE	2.46	LB A/A PRE		90	137
3	AATREX	4	F	1	LB A/A PRE			
4	LUMAX	3.94	SE	2.46	LB A/A PRE		87	123
4	PRINCEP	4	F	1	LB A/A PRE			
5	BICEP II MAGNUM	5.5	L	2.89	LB A/A PRE		73	133
6	HARNESS XTRA	5.6	EC	3.42	LB A/A PRE		78	122
7	EPIC	58	DF	0.44	LB A/A PRE		72	95
8	KEYSTONE	5.25	L	3.42	LB A/A PRE		83	130
9	KEYSTONE	5.25	L	3.42	LB A/A PRE		87	147
9	HORNET	68.5	WG	0.129	LB A/A PRE			
10	KEYSTONE	5.25	L	3.42	LB A/A PRE		83	136
10	BALANCE PRO	4	SC	0.07	LB A/A PRE			
11	GUARDSMAN MAX	5	E	2.5	LB A/A PRE		73	119
12	CAMIX	3.67	SE	1.84	LB A/A PRE		78	120
12	PRINCEP	4	F	1	LB A/A PRE			
	LSD (P=.05)						9.2	39.0
	Standard Deviation						5.4	23.0
	CV						7.31	19.43

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CORN PREEMERGENCE IV

Trial ID: C3006
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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: 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

Application Date: 04-28-03
Time of Day: 6:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 60 F
% Relative Humidity: 63
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 61 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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CORN PREEMERGENCE IV

Trial ID: C3006
Location: LEXINGTON, KY

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

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: IPOSS 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: 10 FT
Boom Height, Unit: 20 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

Weed Code	LACSE	STEME	ERICA	SETFA
Crop Code	ZEAMX			
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	BURNDOWN	BURNDOWN	BURNDOWN	2 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	LACSE	STEME	ERICA	ZEAMX	SETFA
1	BALANCE PRO	4	SC	0.063	LB A/A	2WK	97	100	98	0	100
1	AATREX	4	F	0.5	LB A/A	2WK					
1	COC		L	1	QT/A	2WK					
1	OPTION	35	WG	0.033	LB A/A	MP					
1	MSO		L	0.75	QT/A	MP					
1	LIQUID N		L	1.5	QT/A	MP					
2	BALANCE PRO	4	SC	0.063	LB A/A	2WK	95	100	97	0	100
2	AATREX	4	F	0.5	LB A/A	2WK					
2	COC		L	1	QT/A	2WK					
2	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
2	MSO		L	0.75	QT/A	MP					
2	LIQUID N		L	1.5	QT/A	MP					
3	BALANCE PRO	4	SC	0.063	LB A/A	1WK	99	100	98	0	100
3	AATREX	4	F	0.5	LB A/A	1WK					
3	COC		L	1	QT/A	1WK					
3	OPTION	35	WG	0.033	LB A/A	MP					
3	MSO		L	0.75	QT/A	MP					
3	LIQUID N		L	1.5	QT/A	MP					
4	BALANCE PRO	4	SC	0.063	LB A/A	1WK	99	100	100	0	100
4	AATREX	4	F	0.5	LB A/A	1WK					
4	COC		L	1	QT/A	1WK					
4	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
4	MSO		L	0.75	QT/A	MP					
4	LIQUID N		L	1.5	QT/A	MP					
5	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	90	100	97	0	99
5	COC		L	1	QT/A	1WK					
5	OPTION	35	WG	0.033	LB A/A	MP					
5	MSO		L	0.75	QT/A	MP					
5	LIQUID N		L	1.5	QT/A	MP					
6	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	93	100	93	0	100
6	COC		L	1	QT/A	1WK					
6	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
6	MSO		L	0.75	QT/A	MP					
6	LIQUID N		L	1.5	QT/A	MP					
7	BALANCE PRO	4	SC	0.063	LB A/A	1WK	98	100	96	0	93
7	AATREX	4	F	1	LB A/A	1WK					
7	COC		L	1	QT/A	1WK					

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

Weed Code	LACSE	STEME	ERICA	SETFA
Crop Code			ZEAMX	
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	BURNDOWN	BURNDOWN	BURNDOWN	2 WEEK 2 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	LACSE	STEME	ERICA	ZEAMX	SETFA
8 BALANCE PRO	4	SC	0.094	LB A/A	1WK	100	100	100	0	99
8 AATREX	4	F	1	LB A/A	1WK					
8 COC		L	1	QT/A	1WK					
9 WEEDONE LV4	3.8	E	1	LB A/A	1WK	100	100	100	0	92
9 BALANCE PRO	4	SC	0.063	LB A/A	1WK					
9 AATREX	4	F	1	LB A/A	1WK					
9 COC		L	1	QT/A	1WK					
10 WEEDONE LV4	3.8	E	1	LB A/A	1WK	100	100	100	0	96
10 BALANCE PRO	4	SC	0.094	LB A/A	1WK					
10 AATREX	4	F	1	LB A/A	1WK					
10 COC		L	1	QT/A	1WK					
11 BICEP II MAGNUM	5.5	L	2.89	LB A/A	1WK	100	100	100	0	97
11 GRAMOXONE MAX	3	AS	0.67	LB A/A	1WK					
11 COC		L	1	QT/A	1WK					
12 AIM	2	EC	0.008	LB A/A	2WK	100	100	100	0	97
12 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK					
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A	2WK					
12 COC		L	1	QT/A	2WK					
13 AIM	2	EC	0.008	LB A/A	2WK	100	100	100	0	98
13 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK					
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK					
13 AMS		L	3.9	% V/V	2WK					
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP					
13 AMS		L	3.9	% V/V	MP					
14 CHECK UNTREATED						0	0	0	0	0
LSD (P=.05)						9.5	0.0	5.5	0.0	6.7
Standard Deviation						5.6	0.0	3.3	0.0	4.0
CV						6.2	0.0	3.6	0.0	4.4

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	ERICA	ZEAMX	SETFA
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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	AMBTR	XANST	ERICA	ZEAMX	SETFA
1	BALANCE PRO	4	SC	0.063	LB A/A	2WK	99	99	99	0	97
1	AATREX	4	F	0.5	LB A/A	2WK					
1	COC		L	1	QT/A	2WK					
1	OPTION	35	WG	0.033	LB A/A	MP					
1	MSO		L	0.75	QT/A	MP					
1	LIQUID N		L	1.5	QT/A	MP					
2	BALANCE PRO	4	SC	0.063	LB A/A	2WK	98	98	98	0	98
2	AATREX	4	F	0.5	LB A/A	2WK					
2	COC		L	1	QT/A	2WK					
2	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
2	MSO		L	0.75	QT/A	MP					
2	LIQUID N		L	1.5	QT/A	MP					
3	BALANCE PRO	4	SC	0.063	LB A/A	1WK	97	97	99	0	98
3	AATREX	4	F	0.5	LB A/A	1WK					
3	COC		L	1	QT/A	1WK					
3	OPTION	35	WG	0.033	LB A/A	MP					
3	MSO		L	0.75	QT/A	MP					
3	LIQUID N		L	1.5	QT/A	MP					
4	BALANCE PRO	4	SC	0.063	LB A/A	1WK	99	99	99	0	99
4	AATREX	4	F	0.5	LB A/A	1WK					
4	COC		L	1	QT/A	1WK					
4	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
4	MSO		L	0.75	QT/A	MP					
4	LIQUID N		L	1.5	QT/A	MP					
5	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	93	93	98	0	98
5	COC		L	1	QT/A	1WK					
5	OPTION	35	WG	0.033	LB A/A	MP					
5	MSO		L	0.75	QT/A	MP					
5	LIQUID N		L	1.5	QT/A	MP					
6	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	99	98	99	0	99
6	COC		L	1	QT/A	1WK					
6	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
6	MSO		L	0.75	QT/A	MP					
6	LIQUID N		L	1.5	QT/A	MP					
7	BALANCE PRO	4	SC	0.063	LB A/A	1WK	89	89	94	0	86
7	AATREX	4	F	1	LB A/A	1WK					
7	COC		L	1	QT/A	1WK					

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	XANST	ERICA	ZEAMX	SETFA
8 BALANCE PRO	4	SC	0.094	LB A/A	1WK	92	92	96	0	96
8 AATREX	4	F	1	LB A/A	1WK					
8 COC		L	1	QT/A	1WK					
9 WEEDONE LV4	3.8	E	1	LB A/A	1WK	92	92	97	0	82
9 BALANCE PRO	4	SC	0.063	LB A/A	1WK					
9 AATREX	4	F	1	LB A/A	1WK					
9 COC		L	1	QT/A	1WK					
10 WEEDONE LV4	3.8	E	1	LB A/A	1WK	88	90	96	0	93
10 BALANCE PRO	4	SC	0.094	LB A/A	1WK					
10 AATREX	4	F	1	LB A/A	1WK					
10 COC		L	1	QT/A	1WK					
11 BICEP II MAGNUM	5.5	L	2.89	LB A/A	1WK	93	95	95	0	92
11 GRAMOXONE MAX	3	AS	0.67	LB A/A	1WK					
11 COC		L	1	QT/A	1WK					
12 AIM	2	EC	0.008	LB A/A	2WK	90	90	97	0	92
12 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK					
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A	2WK					
12 COC		L	1	QT/A	2WK					
13 AIM	2	EC	0.008	LB A/A	2WK	99	99	100	0	93
13 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK					
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK					
13 AMS		L	3.9	% V/V	2WK					
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP					
13 AMS		L	3.9	% V/V	MP					
14 CHECK UNTREATED						0	0	0	0	0
LSD (P=.05)						10.7	10.2	4.9	0.0	10.4
Standard Deviation						6.4	6.0	2.9	0.0	6.2
CV						7.28	6.88	3.26	0.0	7.07

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	ERICA	ZEAMX	SETFA
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 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	AMBTR	XANST	ERICA	ZEAMX	SETFA
1	BALANCE PRO	4	SC	0.063	LB A/A	2WK	99	99	99	0	92
	AATREX	4	F	0.5	LB A/A	2WK					
	COC		L	1	QT/A	2WK					
	OPTION	35	WG	0.033	LB A/A	MP					
	MSO		L	0.75	QT/A	MP					
	LIQUID N		L	1.5	QT/A	MP					
2	BALANCE PRO	4	SC	0.063	LB A/A	2WK	98	97	98	0	92
	AATREX	4	F	0.5	LB A/A	2WK					
	COC		L	1	QT/A	2WK					
	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
	MSO		L	0.75	QT/A	MP					
	LIQUID N		L	1.5	QT/A	MP					
3	BALANCE PRO	4	SC	0.063	LB A/A	1WK	96	95	98	0	96
	AATREX	4	F	0.5	LB A/A	1WK					
	COC		L	1	QT/A	1WK					
	OPTION	35	WG	0.033	LB A/A	MP					
	MSO		L	0.75	QT/A	MP					
	LIQUID N		L	1.5	QT/A	MP					
4	BALANCE PRO	4	SC	0.063	LB A/A	1WK	96	96	99	0	93
	AATREX	4	F	0.5	LB A/A	1WK					
	COC		L	1	QT/A	1WK					
	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
	MSO		L	0.75	QT/A	MP					
	LIQUID N		L	1.5	QT/A	MP					
5	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	92	93	98	0	95
	COC		L	1	QT/A	1WK					
	OPTION	35	WG	0.033	LB A/A	MP					
	MSO		L	0.75	QT/A	MP					
	LIQUID N		L	1.5	QT/A	MP					
6	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	95	94	99	0	96
	COC		L	1	QT/A	1WK					
	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP					
	MSO		L	0.75	QT/A	MP					
	LIQUID N		L	1.5	QT/A	MP					
7	BALANCE PRO	4	SC	0.063	LB A/A	1WK	88	87	94	0	86
	AATREX	4	F	1	LB A/A	1WK					
	COC		L	1	QT/A	1WK					

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	XANST	ERICA	ZEAMX	SETFA
8 BALANCE PRO	4	SC	0.094	LB A/A	1WK	86	86	96	0	92
8 AATREX	4	F	1	LB A/A	1WK					
8 COC		L	1	QT/A	1WK					
9 WEEDONE LV4	3.8	E	1	LB A/A	1WK	83	83	97	0	70
9 BALANCE PRO	4	SC	0.063	LB A/A	1WK					
9 AATREX	4	F	1	LB A/A	1WK					
9 COC		L	1	QT/A	1WK					
10 WEEDONE LV4	3.8	E	1	LB A/A	1WK	80	80	96	0	85
10 BALANCE PRO	4	SC	0.094	LB A/A	1WK					
10 AATREX	4	F	1	LB A/A	1WK					
10 COC		L	1	QT/A	1WK					
11 BICEP II MAGNUM	5.5	L	2.89	LB A/A	1WK	91	93	95	0	87
11 GRAMOXONE MAX	3	AS	0.67	LB A/A	1WK					
11 COC		L	1	QT/A	1WK					
12 AIM	2	EC	0.008	LB A/A	2WK	84	84	97	0	82
12 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK					
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A	2WK					
12 COC		L	1	QT/A	2WK					
13 AIM	2	EC	0.008	LB A/A	2WK	98	98	100	0	88
13 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK					
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK					
13 AMS		L	3.9	% V/V	2WK					
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP					
13 AMS		L	3.9	% V/V	MP					
14 CHECK UNTREATED						0	0	0	0	0
LSD (P=.05)						12.2	11.8	4.9	0.0	12.4
Standard Deviation						7.3	7.1	2.9	0.0	7.4
CV						8.61	8.33	3.2	0.0	8.97

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	ERICA
Crop Code			
Rating Data Type	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	AMBTR	XANST	ERICA
1	BALANCE PRO	4	SC	0.063	LB A/A	2WK	95	95	99
1	AATREX	4	F	0.5	LB A/A	2WK			
1	COC		L	1	QT/A	2WK			
1	OPTION	35	WG	0.033	LB A/A	MP			
1	MSO		L	0.75	QT/A	MP			
1	LIQUID N		L	1.5	QT/A	MP			
2	BALANCE PRO	4	SC	0.063	LB A/A	2WK	97	97	98
2	AATREX	4	F	0.5	LB A/A	2WK			
2	COC		L	1	QT/A	2WK			
2	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP			
2	MSO		L	0.75	QT/A	MP			
2	LIQUID N		L	1.5	QT/A	MP			
3	BALANCE PRO	4	SC	0.063	LB A/A	1WK	95	95	98
3	AATREX	4	F	0.5	LB A/A	1WK			
3	COC		L	1	QT/A	1WK			
3	OPTION	35	WG	0.033	LB A/A	MP			
3	MSO		L	0.75	QT/A	MP			
3	LIQUID N		L	1.5	QT/A	MP			
4	BALANCE PRO	4	SC	0.063	LB A/A	1WK	95	95	99
4	AATREX	4	F	0.5	LB A/A	1WK			
4	COC		L	1	QT/A	1WK			
4	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP			
4	MSO		L	0.75	QT/A	MP			
4	LIQUID N		L	1.5	QT/A	MP			
5	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	90	88	97
5	COC		L	1	QT/A	1WK			
5	OPTION	35	WG	0.033	LB A/A	MP			
5	MSO		L	0.75	QT/A	MP			
5	LIQUID N		L	1.5	QT/A	MP			
6	GRAMOXONE MAX	3	AS	0.65	LB A/A	1WK	93	94	99
6	COC		L	1	QT/A	1WK			
6	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP			
6	MSO		L	0.75	QT/A	MP			
6	LIQUID N		L	1.5	QT/A	MP			
7	BALANCE PRO	4	SC	0.063	LB A/A	1WK	85	85	94
7	AATREX	4	F	1	LB A/A	1WK			
7	COC		L	1	QT/A	1WK			

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	ERICA
Crop Code			
Rating Data Type	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 Rate	Unit	Grow Stg	AMBTR	XANST	ERICA
8 BALANCE PRO	4	SC	0.094	LB A/A	1WK	78	78	94
8 AATREX	4	F	1	LB A/A	1WK			
8 COC		L	1	QT/A	1WK			
9 WEEDONE LV4	3.8	E	1	LB A/A	1WK	80	77	97
9 BALANCE PRO	4	SC	0.063	LB A/A	1WK			
9 AATREX	4	F	1	LB A/A	1WK			
9 COC		L	1	QT/A	1WK			
10 WEEDONE LV4	3.8	E	1	LB A/A	1WK	72	70	96
10 BALANCE PRO	4	SC	0.094	LB A/A	1WK			
10 AATREX	4	F	1	LB A/A	1WK			
10 COC		L	1	QT/A	1WK			
11 BICEP II MAGNUM	5.5	L	2.89	LB A/A	1WK	85	88	95
11 GRAMOXONE MAX	3	AS	0.67	LB A/A	1WK			
11 COC		L	1	QT/A	1WK			
12 AIM	2	EC	0.008	LB A/A	2WK	78	78	97
12 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK			
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A	2WK			
12 COC		L	1	QT/A	2WK			
13 AIM	2	EC	0.008	LB A/A	2WK	96	96	99
13 WEEDONE LV4	3.8	E	0.119	LB A/A	2WK			
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK			
13 AMS		L	3.9	% V/V	2WK			
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP			
13 AMS		L	3.9	% V/V	MP			
14 CHECK UNTREATED						0	0	0
LSD (P=.05)						14.7	14.6	5.4
Standard Deviation						8.8	8.7	3.2
CV						10.76	10.68	3.56

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	LACSE LETTUCE, PRICKLY	LACTUCA SERRIOLA L./TORN.
2.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
3.	ERICA HORSEWEED	CONYZA CANADENSIS
4.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
5.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
6.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 05-01-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 65 F **Soil Moisture:** NORMAL **Emergence Date:** 05-09-03

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 **Unit:** MI

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C3007
Location: LEXINGTON, KY

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	04-18-03	04-25-03	05-22-03
Time of Day:	10:00	1:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	1WK	MP
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	60 F	58 F	64 F
% Relative Humidity:	100	79	80
Wind Velocity, Unit:	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	56 F	55 F	63 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	20	20

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

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:	24 IN	24 IN	28 IN
Ground Speed, Unit:	4 MPH	4 MPH	3 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 POSTEMGERGERNCE JOHNSONGRASS ROUNDUP READY

Trial ID: C3010
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	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	Rate Unit	Grow Stg				
1	DEGREE XTRA	4.04	CS	3.03	LB A/A	PRE	0	100	0	98
1	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	12J				
1	AMS		L	3.0	% V/V	12J				
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	12J	0	99	0	95
2	AMS		L	3.0	% V/V	12J				
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	REG				
2	AMS		L	3.0	% V/V	REG				
3	DEGREE XTRA	4.04	CS	3.03	LB A/A	PRE	0	100	0	98
3	ROUNDUP ULTRAMAX	5	SL	28	FL OZ/A	12J				
3	AMS		L	3.9	% V/V	12J				
4	ROUNDUP ULTRAMAX	5	SL	28	FL OZ/A	12J	0	99	0	98
4	AMS		L	3.9	% V/V	12J				
4	ROUNDUP ULTRAMAX	5	SL	28	FL OZ/A	REG				
4	AMS		L	3.9	% V/V	REG				
5	BICEP II MAGNUM	5.5	L	2.1	QT/A	PRE	0	99	0	97
5	TOUCHDOWN IQ	4	SL	32	FL OZ/A	12J				
5	AMS		L	3.9	% V/V	12J				
6	TOUCHDOWN IQ	4	SL	32	FL OZ/A	12J	0	99	0	97
6	AMS		L	3.9	% V/V	12J				
6	TOUCHDOWN IQ	4	SL	32	FL OZ/A	REG				
6	AMS		L	3.9	% V/V	REG				
7	BICEP II MAGNUM	5.5	L	2.1	QT/A	PRE	0	100	0	98
7	TOUCHDOWN TOTAL	4.17	SL	32	FL OZ/A	12J				
7	AMS		L	3.9	% V/V	12J				
8	TOUCHDOWN TOTAL	4.17	SL	32	FL OZ/A	12J	0	99	0	97
8	AMS		L	3.9	% V/V	12J				
8	TOUCHDOWN TOTAL	4.17	SL	32	FL OZ/A	REG				
8	AMS		L	3.9	% V/V	REG				
9	KEYSTONE	5.25	L	2.65	QT/A	PRE	0	100	0	98
9	GLYPHOMAX PLUS	4	SL	32	FL OZ/A	12J				
9	AMS		L	3.9	% V/V	12J				
10	GLYPHOMAX PLUS	4	SL	32	FL OZ/A	12J	0	100	0	98
10	AMS		L	3.9	% V/V	12J				
10	GLYPHOMAX PLUS	4	SL	32	FL OZ/A	REG				
10	AMS		L	3.9	% V/V	REG				

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMGERGERNCE JOHNSONGRASS ROUNDUP READY

Trial ID: C3010
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	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	Rate Unit	Grow Stg				
11	BICEP	4	F	2.1	QT/A	PRE	0	100	0	98
11	CLEAROUT 41 PLUS	4	SL	32	OZ/A	12J				
12	CLEAROUT 41 PLUS	4	SL	32	OZ/A	12J	0	100	0	98
12	CLEAROUT 41 PLUS	4	SL	32	OZ/A	REG				
13	CHECK						0	0	0	0
14	CHECK						0	0	0	0
LSD (P=.05)							0.0	0.6	0.0	3.3
Standard Deviation							0.0	0.4	0.0	2.0
CV							0.0	0.44	0.0	2.35

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

CORN POSTEMGERGERNCE JOHNSONGRASS ROUNDUP READY

Trial ID: C3010
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 05-02-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-10-03

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

APPLICATION DESCRIPTION

	A	B
Application Date:	05-08-03	06-04-03
Time of Day:	11:00	1:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	12J
Applic. Placement:	BROSIOI	BROFOL
Air Temp., Unit:	70 F	62 F
% Relative Humidity:	78	86
Wind Velocity, Unit:	3 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	63 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20

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

CORN POSTEMGERGERNCE JOHNSONGRASS ROUNDUP READY

Trial ID: C3010
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 12J
Height, Unit:	10	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SORHA PRE	SORHA 12J
Density, Unit:	12	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:	20 IN	32 IN
Ground Speed, Unit:	4 MPH	3 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 JOHNSONGRASS LIBERTY

Trial ID: C3011
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	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	ZEAMX 4 WEEK	SORHA 4 WEEK	ZEAMX 8 WEEK	SORHA 8 WEEK
1	OPTION	35	WG	0.011	LB A/A	12C	0	96	0	92
	1 MSO	L		0.75	QT/A	12C				
	1 LIQUID N	L		1.5	QT/A	12C				
2	OPTION	35	WG	0.022	LB A/A	12C	0	98	0	95
	2 MSO	L		0.75	QT/A	12C				
	2 LIQUID N	L		1.5	QT/A	12C				
3	OPTION	35	WG	0.033	LB A/A	12C	0	99	0	99
	3 MSO	L		0.75	QT/A	12C				
	3 LIQUID N	L		1.5	QT/A	12C				
4	EQUIP CORN HERBICIDE	32	WDG	0.01	LB A/A	12C	0	95	0	90
	4 MSO	L		0.75	QT/A	12C				
	4 LIQUID N	L		1.5	QT/A	12C				
5	EQUIP CORN HERBICIDE	32	WDG	0.02	LB A/A	12C	0	98	0	93
	5 MSO	L		0.75	QT/A	12C				
	5 LIQUID N	L		1.5	QT/A	12C				
6	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	12C	0	99	0	99
	6 MSO	L		0.75	QT/A	12C				
	6 LIQUID N	L		1.5	QT/A	12C				
7	EQUIP CORN HERBICIDE	32	WDG	0.01	LB A/A	16C	0	96	0	92
	7 MSO	L		0.75	QT/A	16C				
	7 LIQUID N	L		1.5	QT/A	16C				
8	OPTION	35	WG	0.011	LB A/A	16C	0	96	0	93
	8 MSO	L		0.75	QT/A	16C				
	8 LIQUID N	L		1.5	QT/A	16C				
9	OPTION	35	WG	0.022	LB A/A	16C	0	98	0	95
	9 MSO	L		0.75	QT/A	16C				
	9 LIQUID N	L		1.5	QT/A	16C				
10	OPTION	35	WG	0.033	LB A/A	16C	0	99	0	99
	10 MSO	L		0.75	QT/A	16C				
	10 LIQUID N	L		1.5	QT/A	16C				

LSD (P=.05)	0.0	3.2	0.0	3.2
Standard Deviation	0.0	1.8	0.0	1.9
CV	0.0	1.89	0.0	1.95

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

CORN POSTEMERGENCE JOHNSONGRASS LIBERTY

Trial ID: C3011
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 05-02-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-10-03

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

APPLICATION DESCRIPTION

	A	B
Application Date:	06-04-03	06-09-03
Time of Day:	1:30	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	12C	16C
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	62 F	68 F
% Relative Humidity:	86	60
Wind Velocity, Unit:	3 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	63 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	20

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

CORN POSTEMERGENCE JOHNSONGRASS LIBERTY

Trial ID: C3011

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX 12C	ZEAMX 16C
Height, Unit:	12 IN	16 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SORHA 12C	SORHA 16C
Density, Unit:	12 IN	14 IN

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:	32 IN	36 IN
Ground Speed, Unit:	3 MPH	3 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 JOHNSONGRASS LIBERTY II

Trial ID: C3012
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	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 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	Zeamx 2 Week	Sorha 2 Week	Zeamx 8 Week	Sorha 8 Week
1	LIBERTY	1.67	E	0.42	LB A/A	12J	0	99	0	99
1	RIMSULFURON	25	DF	0.0029	LB A/A	12J				
1	AMS	100	SG	2	LB A/A	12J				
2	LIBERTY	1.67	E	0.42	LB A/A	12J	0	99	0	99
2	RIMSULFURON	25	DF	0.0058	LB A/A	12J				
2	AMS	100	SG	2	LB A/A	12J				
3	LIBERTY	1.67	E	0.21	LB A/A	12J	0	99	0	99
3	RIMSULFURON	25	DF	0.0029	LB A/A	12J				
3	AMS	100	SG	2	LB A/A	12J				
4	LIBERTY	1.67	E	0.21	LB A/A	12J	0	99	0	99
4	RIMSULFURON	25	DF	0.0058	LB A/A	12J				
4	AMS	100	SG	2	LB A/A	12J				
LSD (P=.05)							0.0	0.0	0.0	0.0
Standard Deviation							0.0	0.0	0.0	0.0
CV							0.0	0.0	0.0	0.0

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

CORN POSTEMERGENCE JOHNSONGRASS LIBERTY II

Trial ID: C3012
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 05-02-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-10-03

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

APPLICATION DESCRIPTION

A

Application Date: 06-04-03
Time of Day: 2:00
Application Method: SPRAY
Application Timing: 12J
Applic. Placement: BROFOL
Air Temp., Unit: 62 F
% Relative Humidity: 86
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 63 F
Soil Moisture: ADEQUATE
% Cloud Cover: 20

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

CORN POSTEMERGENCE JOHNSONGRASS LIBERTY II

Trial ID: C3012

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX 12J

Height, Unit: 10 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SORHA 12J

Density, Unit: 12 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: 32 IN

Ground Speed, Unit: 3 MPH

Carrier: WATER

Spray Volume, Unit: 24 GPA

Propellant: CO2

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

CORN POSTEMERGENCE JOHNSONGRASS CLEARFIELD

Trial ID: C3013
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	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	Grow Unit	Stg				
1	GUARDSMAN MAX	5 E		2 PT/A	PRE		0	99	0	96
1	LIGHTNING	70 DG		1.28 OZ/A	12J					
1	AATREX	4 F		2 PT/A	12J					
1	COC	L		1 QT/A	12J					
1	LIQUID N	L		1.5 QT/A	12J					
2	AATREX	4 F		2 PT/A	PRE		0	99	0	96
2	LIGHTNING	70 DG		1.28 OZ/A	12J					
2	AATREX	4 F		2 PT/A	12J					
2	COC	L		1 QT/A	12J					
2	LIQUID N	L		1.5 QT/A	12J					
3	AATREX	4 F		2 PT/A	PRE		0	99	0	98
3	LIGHTNING	70 DG		1.28 OZ/A	12J					
3	DISTINCT	70 WG		2 OZ/A	12J					
3	COC	L		1 QT/A	12J					
3	LIQUID N	L		1.5 QT/A	12J					
4	GUARDSMAN MAX	5 E		2 PT/A	PRE		0	99	0	98
4	LIGHTNING	70 DG		1.28 OZ/A	12J					
4	DISTINCT	70 WG		2 OZ/A	12J					
4	COC	L		1 QT/A	12J					
4	LIQUID N	L		1.5 QT/A	12J					
	LSD (P=.05)			0.0	0.0	0.0	0.0	2.7		
	Standard Deviation			0.0	0.0	0.0	0.0	1.3		
	CV			0.0	0.0	0.0	0.0	1.37		

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

CORN POSTEMERGENCE JOHNSONGRASS CLEARFIELD

Trial ID: C3013
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 05-02-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-10-03

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

APPLICATION DESCRIPTION

	A	B
Application Date:	05-08-03	06-04-03
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	12J
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	77 F	62 F
% Relative Humidity:	78	86
Wind Velocity, Unit:	3 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	63 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20

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

CORN POSTEMERGENCE JOHNSONGRASS CLEARFIELD

Trial ID: C3013
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 12J
Height, Unit:	10	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SORHA PRE	SORHA 12J
Density, Unit:	12	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:	20 IN	32 IN
Ground Speed, Unit:	4 MPH	3 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 PREEMERGENCE & POSTEMERGENCE

Trial ID: C3014
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
1 BALANCE PRO	4	SC	0.078	LB	A/A PRE	3	98	95	95	3	98
1 AATREX	4	F	1.5	LB	A/A PRE						
2 EPIC	58	DF	0.54	LB	A/A PRE	0	98	93	93	0	98
3 CAMIX	3.67	SE	2.75	LB	A/A PRE	0	98	93	94	0	98
4 BALANCE PRO	4	SC	0.047	LB	A/A PRE	0	98	92	93	0	98
4 DEFINE	3.99	SC	0.37	LB	A/A PRE						
4 AATREX	4	F	1.5	LB	A/A PRE						
5 LUMAX	3.9	SE	2.44	LB	A/A PRE	0	98	88	90	0	98
6 BALANCE PRO	4	SC	0.07	LB	A/A PRE	0	98	93	93	0	98
6 DEFINE	3.99	SC	0.37	LB	A/A PRE						
6 AATREX	4	F	1.5	LB	A/A PRE						
7 LUMAX	3.9	SE	2.93	LB	A/A PRE	0	98	94	95	0	98
8 OPTION	35	WG	0.033	LB	A/A EP	0	98	90	88	0	98
8 MSO		L	0.75	QT/A	EP						
8 LIQUID N		L	1.5	QT/A	EP						
9 EQUIP CORN HERBICIDE	32	WDG	0.03	LB	A/A EP	3	98	93	93	3	95
9 MSO		L	0.75	QT/A	EP						
9 LIQUID N		L	1.5	QT/A	EP						
10 OPTION	35	WG	0.033	LB	A/A EP	0	98	93	93	0	98
10 DISTINCT	70	WG	0.088	LB	A/A EP						
10 MSO		L	0.75	QT/A	EP						
10 LIQUID N		L	1.5	QT/A	EP						
11 EQUIP CORN HERBICIDE	32	WDG	0.03	LB	A/A EP	0	98	95	95	0	98
11 DISTINCT	70	WG	0.088	LB	A/A EP						
11 MSO		L	0.75	QT/A	EP						
11 LIQUID N		L	1.5	QT/A	EP						
12 OPTION	35	WG	0.033	LB	A/A EP	0	98	92	92	0	98
12 AATREX	4	F	1.5	LB	A/A EP						
12 MSO		L	0.75	QT/A	EP						
12 LIQUID N		L	1.5	QT/A	EP						

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C3014
Location: LEXINGTON, KY.

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

Weed Code				SETFA	XANST	IPOSS		SETFA			
Crop Code				ZEAMX				ZEAMX			
Rating Data Type				INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL			
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Trt-Eval Interval				2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK			
ARM Action Codes				P	P	P	P	P			
# Subsamples, Dec.				0	0	0	0	0			
Trt Treatment	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
13 EQUIP CORN HERBICIDE	32	WDG	0.03 LB	A/A EP		0	98	92	92	0	98
13 AATREX	4	F	1.5 LB	A/A EP							
13 MSO		L	0.75 QT/A	EP							
13 LIQUID N		L	1.5 QT/A	EP							
14 CHECK UNTREATED						0	0	0	0	0	0
LSD (P=.05)						3.7	0.0	7.2	6.7	3.7	2.1
Standard Deviation						2.2	0.0	4.3	4.0	2.2	1.2
CV						445.0	0.0	5.0	4.61	445.0	1.36

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C3014
Location: LEXINGTON, KY.

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
1	BALANCE PRO	4	SC	0.078	LB A/A	PRE	88	85	0	98	82	80
1	AATREX	4	F	1.5	LB A/A	PRE						
2	EPIC	58	DF	0.54	LB A/A	PRE	83	88	0	98	80	83
3	CAMIX	3.67	SE	2.75	LB A/A	PRE	87	91	0	98	82	87
4	BALANCE PRO	4	SC	0.047	LB A/A	PRE	87	90	0	98	83	87
4	DEFINE	3.99	SC	0.37	LB A/A	PRE						
4	AATREX	4	F	1.5	LB A/A	PRE						
5	LUMAX	3.9	SE	2.44	LB A/A	PRE	80	87	0	97	75	82
6	BALANCE PRO	4	SC	0.07	LB A/A	PRE	83	87	0	98	75	82
6	DEFINE	3.99	SC	0.37	LB A/A	PRE						
6	AATREX	4	F	1.5	LB A/A	PRE						
7	LUMAX	3.9	SE	2.93	LB A/A	PRE	88	93	0	98	83	90
8	OPTION	35	WG	0.033	LB A/A	EP	85	83	0	98	78	77
8	MSO		L	0.75	QT/A	EP						
8	LIQUID N		L	1.5	QT/A	EP						
9	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	92	92	3	95	88	85
9	MSO		L	0.75	QT/A	EP						
9	LIQUID N		L	1.5	QT/A	EP						
10	OPTION	35	WG	0.033	LB A/A	EP	95	93	0	97	92	92
10	DISTINCT	70	WG	0.088	LB A/A	EP						
10	MSO		L	0.75	QT/A	EP						
10	LIQUID N		L	1.5	QT/A	EP						
11	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	95	95	0	98	93	92
11	DISTINCT	70	WG	0.088	LB A/A	EP						
11	MSO		L	0.75	QT/A	EP						
11	LIQUID N		L	1.5	QT/A	EP						
12	OPTION	35	WG	0.033	LB A/A	EP	93	90	0	98	90	88
12	AATREX	4	F	1.5	LB A/A	EP						
12	MSO		L	0.75	QT/A	EP						
12	LIQUID N		L	1.5	QT/A	EP						

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C3014
Location: LEXINGTON, KY.

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
13 EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	95	95	0	97	95	92
13 AATREX	4	F	1.5	LB A/A	EP						
13 MSO		L	0.75	QT/A	EP						
13 LIQUID N		L	1.5	QT/A	EP						
14 CHECK UNTREATED						0	0	0	0	0	0
LSD (P=.05)						8.6	7.8	2.6	2.5	11.3	10.4
Standard Deviation						5.1	4.6	1.5	1.5	6.7	6.2
CV						6.26	5.57	587.57	1.64	8.56	7.81

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C3014

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:** 04-22-03
Country: USA

Conducted Under GLP (Y/N): N**Conducted Under GEP (Y/N):** N**CROP AND WEED DESCRIPTION**

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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

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

	A	B
Application Date:	04-28-03	05-30-03
Time of Day:	1:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	EP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	60 F	62 F
% Relative Humidity:	63	75
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	61 F	64 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

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

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C3014

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 EP
Height, Unit:	4	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA PRE	SETFA EP
Density, Unit:	2	IN
Weed 2 Code, Stage:	XANST PRE	XANST EP
Density, Unit:	2	IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS EP
Density, Unit:	1.5	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:	20 IN	24 IN
Ground Speed, Unit:	4 MPH	3 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 II

Trial ID: C3015
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	88	89	91	0	98
1	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	88	89	91	0	98
1	STEADFAST	75	WG	0.035	LB A/A	V4							
1	COC		L	1	QT/A	V4							
1	LIQUID N		L	1	QT/A	V4							
2	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	95	95	95	0	98
2	STEADFAST	75	WG	0.035	LB A/A	V4							
2	AATREX	4	F	0.75	LB A/A	V4							
2	COC		L	1	QT/A	V4							
2	LIQUID N		L	1	QT/A	V4							
3	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	96	96	96	0	98
3	STEADFAST	75	WG	0.035	LB A/A	V4							
3	CALLISTO	4	SC	0.047	LB A/A	V4							
3	COC		L	1	QT/A	V4							
3	LIQUID N		L	1	QT/A	V4							
4	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	97	97	97	0	98
4	STEADFAST	75	WG	0.035	LB A/A	V4							
4	CALLISTO	4	SC	0.047	LB A/A	V4							
4	AATREX	4	F	0.75	LB A/A	V4							
4	COC		L	1	QT/A	V4							
4	LIQUID N		L	1	QT/A	V4							
5	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	98	98	98	0	98
5	STEADFAST	75	WG	0.035	LB A/A	V4							
5	DISTINCT	70	WG	0.088	LB A/A	V4							
5	COC		L	1	QT/A	V4							
5	LIQUID N		L	1	QT/A	V4							
6	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	88	88	88	0	98
6	STEADFAST	75	WG	0.035	LB A/A	V6							
6	COC		L	1	QT/A	V6							
6	LIQUID N		L	1	QT/A	V6							
7	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	78	78	78	0	98
7	STEADFAST	75	WG	0.035	LB A/A	V6							
7	AATREX	4	F	0.75	LB A/A	V6							
7	COC		L	1	QT/A	V6							
7	LIQUID N		L	1	QT/A	V6							

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	98	70	70	70	0	98
8	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	70	70	70	0	98
8	STEADFAST	75	WG	0.035	LB A/A	V6							
8	CALLISTO	4	SC	0.047	LB A/A	V6							
8	COC		L	1	QT/A	V6							
8	LIQUID N		L	1	QT/A	V6							
9	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	75	75	75	0	98
9	STEADFAST	75	WG	0.035	LB A/A	V6							
9	CALLISTO	4	SC	0.047	LB A/A	V6							
9	AATREX	4	F	0.75	LB A/A	V6							
9	COC		L	1	QT/A	V6							
9	LIQUID N		L	1	QT/A	V6							
10	CINCH	7.64	EC	1.1	LB A/A	PRE	0	98	90	90	90	0	98
10	STEADFAST	75	WG	0.035	LB A/A	V6							
10	DISTINCT	70	WG	0.088	LB A/A	V6							
10	COC		L	1	QT/A	V6							
10	LIQUID N		L	1	QT/A	V6							
	LSD (P=.05)						0.0	0.0	10.1	9.9	9.4	0.0	0.0
	Standard Deviation						0.0	0.0	5.9	5.8	5.5	0.0	0.0
	CV						0.0	0.0	6.75	6.59	6.22	0.0	0.0

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS	ZEAMX	SETFA	AMBTR	XANST
Crop Code							
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 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 Rate	Rate Unit	Grow Stg	AMBTR	XANST	IPOSS	ZEAMX	SETFA	AMBTR	XANST
1	CINCH	7.64	EC	1.1	LB A/A	PRE	83	85	87	0	98	77	82
1	STEADFAST	75	WG	0.035	LB A/A	V4							
1	COC		L	1	QT/A	V4							
1	LIQUID N		L	1	QT/A	V4							
2	CINCH	7.64	EC	1.1	LB A/A	PRE	90	90	92	0	98	85	85
2	STEADFAST	75	WG	0.035	LB A/A	V4							
2	AATREX	4	F	0.75	LB A/A	V4							
2	COC		L	1	QT/A	V4							
2	LIQUID N		L	1	QT/A	V4							
3	CINCH	7.64	EC	1.1	LB A/A	PRE	93	93	92	0	98	90	90
3	STEADFAST	75	WG	0.035	LB A/A	V4							
3	CALLISTO	4	SC	0.047	LB A/A	V4							
3	COC		L	1	QT/A	V4							
3	LIQUID N		L	1	QT/A	V4							
4	CINCH	7.64	EC	1.1	LB A/A	PRE	97	97	97	0	98	95	95
4	STEADFAST	75	WG	0.035	LB A/A	V4							
4	CALLISTO	4	SC	0.047	LB A/A	V4							
4	AATREX	4	F	0.75	LB A/A	V4							
4	COC		L	1	QT/A	V4							
4	LIQUID N		L	1	QT/A	V4							
5	CINCH	7.64	EC	1.1	LB A/A	PRE	95	95	97	0	98	95	95
5	STEADFAST	75	WG	0.035	LB A/A	V4							
5	DISTINCT	70	WG	0.088	LB A/A	V4							
5	COC		L	1	QT/A	V4							
5	LIQUID N		L	1	QT/A	V4							
6	CINCH	7.64	EC	1.1	LB A/A	PRE	73	77	80	0	98	70	73
6	STEADFAST	75	WG	0.035	LB A/A	V6							
6	COC		L	1	QT/A	V6							
6	LIQUID N		L	1	QT/A	V6							
7	CINCH	7.64	EC	1.1	LB A/A	PRE	63	63	67	0	98	53	53
7	STEADFAST	75	WG	0.035	LB A/A	V6							
7	AATREX	4	F	0.75	LB A/A	V6							
7	COC		L	1	QT/A	V6							
7	LIQUID N		L	1	QT/A	V6							

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

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

Weed Code	AMBTR	XANST	IPOSS	ZEAMX	SETFA	AMBTR	XANST
Crop Code							
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK	8 WEEK	8 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 Rate	Rate Unit	Grow Stg	AMBTR	XANST	IPOSS	ZEAMX	SETFA	AMBTR	XANST
8	CINCH	7.64	EC	1.1	LB A/A	PRE	72	72	70	0	98	63	63
8	STEADFAST	75	WG	0.035	LB A/A	V6							
8	CALLISTO	4	SC	0.047	LB A/A	V6							
8	COC		L	1	QT/A	V6							
8	LIQUID N		L	1	QT/A	V6							
9	CINCH	7.64	EC	1.1	LB A/A	PRE	67	67	73	0	98	62	62
9	STEADFAST	75	WG	0.035	LB A/A	V6							
9	CALLISTO	4	SC	0.047	LB A/A	V6							
9	AATREX	4	F	0.75	LB A/A	V6							
9	COC		L	1	QT/A	V6							
9	LIQUID N		L	1	QT/A	V6							
10	CINCH	7.64	EC	1.1	LB A/A	PRE	92	92	92	0	98	88	88
10	STEADFAST	75	WG	0.035	LB A/A	V6							
10	DISTINCT	70	WG	0.088	LB A/A	V6							
10	COC		L	1	QT/A	V6							
10	LIQUID N		L	1	QT/A	V6							
	LSD (P=.05)						10.4	10.2	10.0	0.0	0.0	11.8	11.8
	Standard Deviation						6.0	6.0	5.8	0.0	0.0	6.9	6.9
	CV						7.32	7.19	6.91	0.0	0.0	8.84	8.73

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	
1	CINCH	7.64	EC	1.1	LB A/A	PRE	83
1	STEADFAST	75	WG	0.035	LB A/A	V4	
1	COC		L	1	QT/A	V4	
1	LIQUID N		L	1	QT/A	V4	
2	CINCH	7.64	EC	1.1	LB A/A	PRE	88
2	STEADFAST	75	WG	0.035	LB A/A	V4	
2	AATREX	4	F	0.75	LB A/A	V4	
2	COC		L	1	QT/A	V4	
2	LIQUID N		L	1	QT/A	V4	
3	CINCH	7.64	EC	1.1	LB A/A	PRE	87
3	STEADFAST	75	WG	0.035	LB A/A	V4	
3	CALLISTO	4	SC	0.047	LB A/A	V4	
3	COC		L	1	QT/A	V4	
3	LIQUID N		L	1	QT/A	V4	
4	CINCH	7.64	EC	1.1	LB A/A	PRE	95
4	STEADFAST	75	WG	0.035	LB A/A	V4	
4	CALLISTO	4	SC	0.047	LB A/A	V4	
4	AATREX	4	F	0.75	LB A/A	V4	
4	COC		L	1	QT/A	V4	
4	LIQUID N		L	1	QT/A	V4	
5	CINCH	7.64	EC	1.1	LB A/A	PRE	92
5	STEADFAST	75	WG	0.035	LB A/A	V4	
5	DISTINCT	70	WG	0.088	LB A/A	V4	
5	COC		L	1	QT/A	V4	
5	LIQUID N		L	1	QT/A	V4	
6	CINCH	7.64	EC	1.1	LB A/A	PRE	78
6	STEADFAST	75	WG	0.035	LB A/A	V6	
6	COC		L	1	QT/A	V6	
6	LIQUID N		L	1	QT/A	V6	
7	CINCH	7.64	EC	1.1	LB A/A	PRE	62
7	STEADFAST	75	WG	0.035	LB A/A	V6	
7	AATREX	4	F	0.75	LB A/A	V6	
7	COC		L	1	QT/A	V6	
7	LIQUID N		L	1	QT/A	V6	

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	
8	CINCH	7.64	EC	1.1	LB A/A	PRE	63
8	STEADFAST	75	WG	0.035	LB A/A	V6	
8	CALLISTO	4	SC	0.047	LB A/A	V6	
8	COC		L	1	QT/A	V6	
8	LIQUID N		L	1	QT/A	V6	
9	CINCH	7.64	EC	1.1	LB A/A	PRE	72
9	STEADFAST	75	WG	0.035	LB A/A	V6	
9	CALLISTO	4	SC	0.047	LB A/A	V6	
9	AATREX	4	F	0.75	LB A/A	V6	
9	COC		L	1	QT/A	V6	
9	LIQUID N		L	1	QT/A	V6	
10	CINCH	7.64	EC	1.1	LB A/A	PRE	85
10	STEADFAST	75	WG	0.035	LB A/A	V6	
10	DISTINCT	70	WG	0.088	LB A/A	V6	
10	COC		L	1	QT/A	V6	
10	LIQUID N		L	1	QT/A	V6	

LSD (P=.05) 12.6
Standard Deviation 7.4
CV 9.16

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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

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

	A	B	C
Application Date:	04-28-03	05-23-03	06-06-03
Time of Day:	11:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	V4	V6
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	60 F	60 F	66 F
% Relative Humidity:	63	71	66
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	61 F	66 F	65 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	10	15

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

CORN POSTEMERGENCE II

Trial ID: C3015
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX V4	ZEAMX V6
Height, Unit:	12 IN	20 IN	

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA V4	SETFA V6
Density, Unit:	4 IN	6 IN	
Weed 2 Code, Stage:	AMBTR PRE	AMBTR V4	AMBTR V6
Density, Unit:	8 IN	10 IN	
Weed 3 Code, Stage:	XANST PRE	XANST V4	XANST V6
Density, Unit:	6 IN	8 IN	
Weed 4 Code, Stage:	IPOSS PRE	IPOSS V4	IPOSS V6
Density, Unit:	4 IN	6 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:	20 IN	32 IN	40 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 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 III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

Weed Code	SETFA	XANST	IPOSS	SETFA
Crop Code	ZEAMX			ZEAMX
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 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	0	98	88	90	0	98
1	BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		0	98	88	90	0	98
1	CALLISTO	4 SC		0.094 LB	A/A 12C							
1	AATREX	4 F		0.5 LB	A/A 12C							
1	COC	L		1 QT/A	12C							
1	LIQUID N	L		2 QT/A	12C							
2	BICEP II MAGNUM	5.5 L		2.89 LB	A/A PRE		0	98	96	96	0	98
2	SPIRIT	57 WG		0.036 LB	A/A 12C							
2	COC	L		1 QT/A	12C							
2	LIQUID N	L		2 QT/A	12C							
3	KEYSTONE	5.25 L		1.75 LB	A/A PRE		0	98	95	97	0	98
3	AATREX	4 F		0.5 LB	A/A PRE							
3	LIGHTNING	70 DG		0.056 LB	A/A MP							
3	COC	L		1 QT/A	MP							
3	LIQUID N	L		1.5 QT/A	MP							
4	AATREX	4 F		1 LB	A/A PRE		0	98	88	88	0	98
4	LIGHTNING	70 DG		0.056 LB	A/A 12C							
4	AATREX	4 F		1 LB	A/A 12C							
4	COC	L		1 QT/A	12C							
4	LIQUID N	L		1.5 QT/A	12C							
5	STEADFAST	75 WG		0.035 LB	A/A 3C		0	98	87	90	0	98
5	ACTIVATOR 90	L		0.25 %	V/V 3C							
5	LIQUID N	L		1 QT/A	3C							
6	STEADFAST	75 WG		0.035 LB	A/A 3C		0	98	90	90	0	98
6	LUMAX	3.94 SE		0.74 LB	A/A 3C							
6	ACTIVATOR 90	L		0.25 %	V/V 3C							
7	STEADFAST	75 WG		0.035 LB	A/A 3C		0	98	93	93	0	98
7	LUMAX	3.94 SE		1.39 LB	A/A 3C							
7	ACTIVATOR 90	L		0.25 %	V/V 3C							
8	STEADFAST	75 WG		0.035 LB	A/A 3C		0	98	95	93	0	98
8	LUMAX	3.94 SE		0.74 LB	A/A 3C							
8	ACTIVATOR 90	L		0.25 %	V/V 3C							
8	AMS	100 SG		2 LB	A/A 3C							
9	STEADFAST	75 WG		0.035 LB	A/A 3C		0	98	93	95	0	98
9	LUMAX	3.94 SE		1.39 LB	A/A 3C							
9	ACTIVATOR 90	L		0.25 %	V/V 3C							
9	AMS	100 SG		2 LB	A/A 3C							

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CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
10 STEADFAST	75	WG	0.035	LB A/A	3C	0	98	96	96	0	98
10 CALLISTO	4	SC	0.047	LB A/A	3C						
10 AATREX	4	F	0.75	LB A/A	3C						
10 COC		L	1	QT/A	3C						
10 LIQUID N		L	2	QT/A	3C						
11 STEADFAST	75	WG	0.035	LB A/A	3C	0	98	97	97	0	98
11 CINCH ATZ	5.5	L	1.375	LB A/A	3C						
11 CALLISTO	4	SC	0.047	LB A/A	3C						
11 ACTIVATOR 90		L	0.25	% V/V	3C						
11 AMS	100	SG	2	LB A/A	3C						
12 PRINCEP	4	F	1	LB A/A	PRE	10	98	92	93	5	98
12 AIM	1.9	EW	0.008	LB A/A	V6						
12 STEADFAST	75	WG	0.035	LB A/A	V6						
12 AATREX	4	F	1	LB A/A	V6						
12 COC		L	1	QT/A	V6						
12 AMS		L	2	% V/V	V6						
13 PRINCEP	4	F	1	LB A/A	PRE	10	98	97	97	5	98
13 AIM	1.9	EW	0.008	LB A/A	V6						
13 AATREX	4	F	1	LB A/A	V6						
13 COC		L	1	QT/A	V6						
13 AMS		L	2	% V/V	V6						
14 PRINCEP	4	F	1	LB A/A	PRE	10	98	96	96	5	98
14 AIM	1.9	EW	0.008	LB A/A	V6						
14 AATREX	4	F	1	LB A/A	V6						
14 HORNET	68.5	WG	0.128	LB A/A	V6						
14 COC		L	1	QT/A	V6						
15 PRINCEP	4	F	1	LB A/A	PRE	10	98	93	93	5	98
15 AIM	1.9	EW	0.008	LB A/A	V6						
15 HORNET	68.5	WG	0.128	LB A/A	V6						
15 COC		L	1	QT/A	V6						
16 AATREX	4	F	1	LB A/A	PRE	0	98	90	90	0	98
16 CELEBRITY PLUS	70	WG	0.21	LB A/A	12C						
16 ACTIVATOR 90		L	0.25	% V/V	12C						
16 LIQUID N		L	1.5	QT/A	12C						

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
17 GUARDSMAN MAX	5	E	1.25	LB A/A	PRE	0	98	90	90	0	98
17 CELEBRITY PLUS	70	WG	0.21	LB A/A	12C						
17 ACTIVATOR 90		L	0.25	% V/V	12C						
17 LIQUID N		L	1.5	QT/A	12C						
18 GUARDSMAN MAX	5	E	1.25	LB A/A	PRE	0	98	90	90	0	98
18 CELEBRITY PLUS	70	WG	0.15	LB A/A	12C						
18 ACTIVATOR 90		L	0.25	% V/V	12C						
18 LIQUID N		L	1.5	QT/A	12C						
19 GUARDSMAN MAX	5	E	1.25	LB A/A	PRE	0	98	87	87	0	98
19 LIGHTNING	70	DG	0.056	LB A/A	12C						
19 AATREX	4	F	1	LB A/A	12C						
19 COC		L	1	QT/A	12C						
19 LIQUID N		L	1.5	QT/A	12C						
20 GUARDSMAN MAX	5	E	1.25	LB A/A	PRE	0	98	93	93	0	98
20 LIGHTNING	70	DG	0.056	LB A/A	12C						
20 DISTINCT	70	WG	0.088	LB A/A	12C						
20 COC		L	1	QT/A	12C						
20 LIQUID N		L	1.5	QT/A	12C						
21 AATREX	4	F	1	LB A/A	PRE	0	98	90	90	0	98
21 LIGHTNING	70	DG	0.056	LB A/A	12C						
21 AATREX	4	F	1	LB A/A	12C						
21 COC		L	1	QT/A	12C						
21 LIQUID N		L	1.5	QT/A	12C						
22 AATREX	4	F	1	LB A/A	PRE	3	98	93	93	0	98
22 LIGHTNING	70	DG	0.056	LB A/A	12C						
22 DISTINCT	70	WG	0.088	LB A/A	12C						
22 COC		L	1	QT/A	12C						
22 LIQUID N		L	1.5	QT/A	12C						
LSD (P=.05)			2.0				0.0	4.5	4.2	0.0	0.0
Standard Deviation			1.2				0.0	2.7	2.5	0.0	0.0
CV			62.49				0.0	2.97	2.74	0.0	0.0

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
1	BICEP II MAGNUM	5.5 L		2.89 LB A/A	PRE		82	85	0	97	70	83
1	CALLISTO	4 SC		0.094 LB A/A	12C							
1	AATREX	4 F		0.5 LB A/A	12C							
1	COC	L		1 QT/A	12C							
1	LIQUID N	L		2 QT/A	12C							
2	BICEP II MAGNUM	5.5 L		2.89 LB A/A	PRE		93	93	0	97	93	93
2	SPIRIT	57 WG		0.036 LB A/A	12C							
2	COC	L		1 QT/A	12C							
2	LIQUID N	L		2 QT/A	12C							
3	KEYSTONE	5.25 L		1.75 LB A/A	PRE		97	97	0	97	93	93
3	AATREX	4 F		0.5 LB A/A	PRE							
3	LIGHTNING	70 DG		0.056 LB A/A	MP							
3	COC	L		1 QT/A	MP							
3	LIQUID N	L		1.5 QT/A	MP							
4	AATREX	4 F		1 LB A/A	PRE		93	90	0	97	93	88
4	LIGHTNING	70 DG		0.056 LB A/A	12C							
4	AATREX	4 F		1 LB A/A	12C							
4	COC	L		1 QT/A	12C							
4	LIQUID N	L		1.5 QT/A	12C							
5	STEADFAST	75 WG		0.035 LB A/A	3C		75	83	0	97	67	83
5	ACTIVATOR 90	L		0.25 % V/V	3C							
5	LIQUID N	L		1 QT/A	3C							
6	STEADFAST	75 WG		0.035 LB A/A	3C		83	85	0	98	78	83
6	LUMAX	3.94 SE		0.74 LB A/A	3C							
6	ACTIVATOR 90	L		0.25 % V/V	3C							
7	STEADFAST	75 WG		0.035 LB A/A	3C		85	90	0	97	78	88
7	LUMAX	3.94 SE		1.39 LB A/A	3C							
7	ACTIVATOR 90	L		0.25 % V/V	3C							
8	STEADFAST	75 WG		0.035 LB A/A	3C		87	88	0	98	77	85
8	LUMAX	3.94 SE		0.74 LB A/A	3C							
8	ACTIVATOR 90	L		0.25 % V/V	3C							
8	AMS	100 SG		2 LB A/A	3C							
9	STEADFAST	75 WG		0.035 LB A/A	3C		92	92	0	98	83	88
9	LUMAX	3.94 SE		1.39 LB A/A	3C							
9	ACTIVATOR 90	L		0.25 % V/V	3C							
9	AMS	100 SG		2 LB A/A	3C							

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CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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 Rate	Unit	Grow Stg						
10 STEADFAST	75	WG	0.035	LB A/A	3C	92	93	0	96	87	92
10 CALLISTO	4	SC	0.047	LB A/A	3C						
10 AATREX	4	F	0.75	LB A/A	3C						
10 COC		L	1	QT/A	3C						
10 LIQUID N		L	2	QT/A	3C						
11 STEADFAST	75	WG	0.035	LB A/A	3C	92	93	0	98	87	90
11 CINCH ATZ	5.5	L	1.375	LB A/A	3C						
11 CALLISTO	4	SC	0.047	LB A/A	3C						
11 ACTIVATOR 90		L	0.25	% V/V	3C						
11 AMS	100	SG	2	LB A/A	3C						
12 PRINCEP	4	F	1	LB A/A	PRE	88	87	0	98	83	85
12 AIM	1.9	EW	0.008	LB A/A	V6						
12 STEADFAST	75	WG	0.035	LB A/A	V6						
12 AATREX	4	F	1	LB A/A	V6						
12 COC		L	1	QT/A	V6						
12 AMS		L	2	% V/V	V6						
13 PRINCEP	4	F	1	LB A/A	PRE	95	92	2	98	88	90
13 AIM	1.9	EW	0.008	LB A/A	V6						
13 AATREX	4	F	1	LB A/A	V6						
13 COC		L	1	QT/A	V6						
13 AMS		L	2	% V/V	V6						
14 PRINCEP	4	F	1	LB A/A	PRE	96	96	5	97	93	95
14 AIM	1.9	EW	0.008	LB A/A	V6						
14 AATREX	4	F	1	LB A/A	V6						
14 HORNET	68.5	WG	0.128	LB A/A	V6						
14 COC		L	1	QT/A	V6						
15 PRINCEP	4	F	1	LB A/A	PRE	93	93	0	94	90	92
15 AIM	1.9	EW	0.008	LB A/A	V6						
15 HORNET	68.5	WG	0.128	LB A/A	V6						
15 COC		L	1	QT/A	V6						
16 AATREX	4	F	1	LB A/A	PRE	93	93	0	97	90	93
16 CELEBRITY PLUS	70	WG	0.21	LB A/A	12C						
16 ACTIVATOR 90		L	0.25	% V/V	12C						
16 LIQUID N		L	1.5	QT/A	12C						

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

CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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 Rate	Grow Unit	Stg						
17 GUARDSMAN MAX	5	E	1.25 LB	A/A	PRE	95	90	0	98	92	88
17 CELEBRITY PLUS	70	WG	0.21 LB	A/A	12C						
17 ACTIVATOR 90		L	0.25 %	V/V	12C						
17 LIQUID N		L	1.5 QT/A		12C						
18 GUARDSMAN MAX	5	E	1.25 LB	A/A	PRE	90	90	0	98	90	90
18 CELEBRITY PLUS	70	WG	0.15 LB	A/A	12C						
18 ACTIVATOR 90		L	0.25 %	V/V	12C						
18 LIQUID N		L	1.5 QT/A		12C						
19 GUARDSMAN MAX	5	E	1.25 LB	A/A	PRE	87	85	0	95	82	80
19 LIGHTNING	70	DG	0.056 LB	A/A	12C						
19 AATREX	4	F	1 LB	A/A	12C						
19 COC		L	1 QT/A		12C						
19 LIQUID N		L	1.5 QT/A		12C						
20 GUARDSMAN MAX	5	E	1.25 LB	A/A	PRE	96	96	0	98	95	95
20 LIGHTNING	70	DG	0.056 LB	A/A	12C						
20 DISTINCT	70	WG	0.088 LB	A/A	12C						
20 COC		L	1 QT/A		12C						
20 LIQUID N		L	1.5 QT/A		12C						
21 AATREX	4	F	1 LB	A/A	PRE	92	92	0	98	92	90
21 LIGHTNING	70	DG	0.056 LB	A/A	12C						
21 AATREX	4	F	1 LB	A/A	12C						
21 COC		L	1 QT/A		12C						
21 LIQUID N		L	1.5 QT/A		12C						
22 AATREX	4	F	1 LB	A/A	PRE	96	95	0	98	95	92
22 LIGHTNING	70	DG	0.056 LB	A/A	12C						
22 DISTINCT	70	WG	0.088 LB	A/A	12C						
22 COC		L	1 QT/A		12C						
22 LIQUID N		L	1.5 QT/A		12C						
LSD (P=.05)						6.6	7.0	1.0	2.5	8.9	6.3
Standard Deviation						4.0	4.3	0.6	1.5	5.4	3.8
CV						4.45	4.69	203.1	1.56	6.25	4.32

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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

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

APPLICATION DESCRIPTION

	A	B	C	D	E
Application Date:	04-28-03	05-16-03	06-02-03	06-02-03	06-06-03
Time of Day:	1:00	10:00	2:00	2:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3C	MP	12C	V6
Applic. Placement:	BROSOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	60 F	64 F	57 F	57 F	66 F
% Relative Humidity:	63	74	59	59	66
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N	N	N
Soil Temp., Unit:	61 F	67 F	63 F	63 F	65 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	15	15	20

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CORN POSTEMERGENCE III CLEARFIELD

Trial ID: C3016
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 3C	ZEAMX MP	ZEAMX 12C
Height, Unit:		6 IN	12 IN	12 IN
	E			
Crop 1 Code, Stage:	ZEAMX V6			
Height, Unit:	20 IN			

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA PRE	SETFA 3C	SETFA MP	SETFA 12C
Density, Unit:		2 IN	5 IN	5 IN
Weed 2 Code, Stage:	XANST PRE	XANST 3C	XANST MP	XANST 12C
Density, Unit:		3 IN	6 IN	6 IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS 3C	IPOSS MP	IPOSS 12C
Density, Unit:		2 IN	4 IN	4 IN
	E			
Weed 1 Code, Stage:	SETFA V6			
Density, Unit:	6 IN			
Weed 2 Code, Stage:	XANST V6			
Density, Unit:	7 IN			
Weed 3 Code, Stage:	IPOSS V6			
Density, Unit:	5 IN			

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:	20 IN	26 IN	32 IN	32 IN	40 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 MPH	3 MPH	3 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

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE LIBERTY

Trial ID: C3022
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg						
1 CHECK UNTREATED					0	0	0	0	0	0
2 EQUIP CORN HERBICIDE	32 WDG		0.03 LB A/A EP		12	98	95	95	0	98
2 MSO	L		0.75 QT/A EP							
2 LIQUID N	L		1.5 QT/A EP							
3 EQUIP CORN HERBICIDE	32 WDG		0.03 LB A/A EP		18	99	99	99	0	99
3 DEFINE	60 DF		0.3 LB A/A EP							
3 AATREX	4 F		1 LB A/A EP							
3 MSO	L		0.75 QT/A EP							
3 LIQUID N	L		1.5 QT/A EP							
4 EQUIP CORN HERBICIDE	32 WDG		0.03 LB A/A EP		13	98	98	98	0	98
4 DEFINE	3.99 SC		0.3 LB A/A EP							
4 AATREX	4 F		1 LB A/A EP							
4 MSO	L		0.75 QT/A EP							
4 LIQUID N	L		1.5 QT/A EP							
5 LIBERTY	1.67 E		0.42 LB A/A EP		0	98	97	97	0	98
5 AMS	100 SG		3 LB A/A EP							
6 LIBERTY	1.67 E		0.42 LB A/A EP		0	98	97	97	0	98
6 DEFINE	60 DF		0.3 LB A/A EP							
6 AATREX	4 F		1 LB A/A EP							
6 AMS	100 SG		3 LB A/A EP							
7 LIBERTY	1.67 E		0.42 LB A/A EP		7	99	99	99	0	99
7 DEFINE	3.99 SC		0.3 LB A/A EP							
7 AATREX	4 F		1 LB A/A EP							
7 AMS	100 SG		3 LB A/A EP							
8 BALANCE PRO	4 SC		0.047 LB A/A PRE		0	99	99	99	0	99
8 LIBERTY	1.67 E		0.42 LB A/A MP							
8 AATREX	4 F		1 LB A/A MP							
8 AMS	100 SG		3 LB A/A MP							
9 BALANCE PRO	4 SC		0.047 LB A/A PRE		30	98	98	98	0	98
9 AATREX	4 F		1 LB A/A PRE							
9 OPTION	35 WG		0.033 LB A/A MP							
9 DISTINCT	70 WG		0.088 LB A/A MP							
9 LIQUID N	L		1.5 QT/A MP							
9 MSO	L		0.75 QT/A MP							

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE LIBERTY

Trial ID: C3022
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
10 BALANCE PRO	4	SC	0.078	LB	A/A PRE	0	98	89	93	0	98
10 AATREX	4	F	0.75	LB	A/A PRE						
10 PRINCEP	4	F	0.75	LB	A/A PRE						
11 DEFINE	3.99	SC	0.56	LB	A/A PRE	0	98	87	95	0	98
11 AATREX	4	F	0.75	LB	A/A PRE						
11 PRINCEP	4	F	0.75	LB	A/A PRE						
12 EPIC	58	DF	0.47	LB	A/A PRE	0	98	96	97	0	98
12 AATREX	4	F	1.5	LB	A/A PRE						
13 DEFINE	3.99	SC	0.31	LB	A/A MP	0	98	98	98	0	98
13 LIBERTY	1.67	E	0.37	LB	A/A MP						
13 AATREX	4	F	1	LB	A/A MP						
13 AMS	100	SG	3	LB	A/A MP						
14 AATREX	4	F	1.5	LB	A/A PRE	30	98	98	98	0	98
14 OPTION	35	WG	0.03	LB	A/A MP						
14 DISTINCT	70	WG	0.088	LB	A/A MP						
14 LIQUID N		L	1.5	QT/A	MP						
14 MSO		L	0.75	QT/A	MP						
15 LIBERTY	1.67	E	0.42	LB	A/A MP	0	98	98	98	0	98
15 AATREX	4	F	1.5	LB	A/A MP						
15 AMS	100	SG	3	LB	A/A MP						
16 DEFINE	3.99	SC	0.66	LB	A/A PRE	22	98	98	98	0	98
16 BUCTRIL/ATRA	3	F	1.125	LB	A/A MP						
17 EQUIP CORN HERBICIDE	32	WDG	0.03	LB	A/A MP	17	98	98	98	0	98
17 AATREX	4	F	1.5	LB	A/A MP						
17 MSO		L	0.75	QT/A	MP						
17 LIQUID N		L	1.5	QT/A	MP						
18 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	97	75	87	0	97
LSD (P=.05)						7.1	1.0	9.6	3.8	0.0	1.0
Standard Deviation						4.2	0.6	5.7	2.3	0.0	0.6
CV						51.41	0.66	6.38	2.46	0.0	0.66

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CORN POSTEMERGENCE LIBERTY

Trial ID: C3022
Location: LEXINGTON, KY

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
1 CHECK UNTREATED					0	0	0	0	0	0
2 EQUIP CORN HERBICIDE	32	WDG	0.03 LB A/A	EP	90	93	0	98	80	90
2 MSO		L	0.75 QT/A	EP						
2 LIQUID N		L	1.5 QT/A	EP						
3 EQUIP CORN HERBICIDE	32	WDG	0.03 LB A/A	EP	99	96	0	99	95	93
3 DEFINE	60	DF	0.3 LB A/A	EP						
3 AATREX	4	F	1 LB A/A	EP						
3 MSO		L	0.75 QT/A	EP						
3 LIQUID N		L	1.5 QT/A	EP						
4 EQUIP CORN HERBICIDE	32	WDG	0.03 LB A/A	EP	95	97	0	98	92	95
4 DEFINE	3.99	SC	0.3 LB A/A	EP						
4 AATREX	4	F	1 LB A/A	EP						
4 MSO		L	0.75 QT/A	EP						
4 LIQUID N		L	1.5 QT/A	EP						
5 LIBERTY	1.67	E	0.42 LB A/A	EP	87	92	0	98	78	88
5 AMS	100	SG	3 LB A/A	EP						
6 LIBERTY	1.67	E	0.42 LB A/A	EP	93	95	0	98	87	93
6 DEFINE	60	DF	0.3 LB A/A	EP						
6 AATREX	4	F	1 LB A/A	EP						
6 AMS	100	SG	3 LB A/A	EP						
7 LIBERTY	1.67	E	0.42 LB A/A	EP	95	98	0	99	92	96
7 DEFINE	3.99	SC	0.3 LB A/A	EP						
7 AATREX	4	F	1 LB A/A	EP						
7 AMS	100	SG	3 LB A/A	EP						
8 BALANCE PRO	4	SC	0.047 LB A/A	PRE	98	96	0	99	95	92
8 LIBERTY	1.67	E	0.42 LB A/A	MP						
8 AATREX	4	F	1 LB A/A	MP						
8 AMS	100	SG	3 LB A/A	MP						
9 BALANCE PRO	4	SC	0.047 LB A/A	PRE	93	96	0	98	90	92
9 AATREX	4	F	1 LB A/A	PRE						
9 OPTION	35	WG	0.033 LB A/A	MP						
9 DISTINCT	70	WG	0.088 LB A/A	MP						
9 LIQUID N		L	1.5 QT/A	MP						
9 MSO		L	0.75 QT/A	MP						

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CORN POSTEMERGENCE LIBERTY

Trial ID: C3022
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	XANST	IPOSS	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	IPOSS CONTROL PERCENT
10 BALANCE PRO	4	SC	0.078 LB	A/A PRE	83	87	0	98	78	85
10 AATREX	4	F	0.75 LB	A/A PRE						
10 PRINCEP	4	F	0.75 LB	A/A PRE						
11 DEFINE	3.99	SC	0.56 LB	A/A PRE	77	90	0	98	80	85
11 AATREX	4	F	0.75 LB	A/A PRE						
11 PRINCEP	4	F	0.75 LB	A/A PRE						
12 EPIC	58	DF	0.47 LB	A/A PRE	87	94	0	98	80	92
12 AATREX	4	F	1.5 LB	A/A PRE						
13 DEFINE	3.99	SC	0.31 LB	A/A MP	96	96	0	98	93	95
13 LIBERTY	1.67	E	0.37 LB	A/A MP						
13 AATREX	4	F	1 LB	A/A MP						
13 AMS	100	SG	3 LB	A/A MP						
14 AATREX	4	F	1.5 LB	A/A PRE	96	94	0	98	92	90
14 OPTION	35	WG	0.03 LB	A/A MP						
14 DISTINCT	70	WG	0.088 LB	A/A MP						
14 LIQUID N		L	1.5 QT/A	MP						
14 MSO		L	0.75 QT/A	MP						
15 LIBERTY	1.67	E	0.42 LB	A/A MP	97	97	0	98	93	95
15 AATREX	4	F	1.5 LB	A/A MP						
15 AMS	100	SG	3 LB	A/A MP						
16 DEFINE	3.99	SC	0.66 LB	A/A PRE	94	96	0	98	92	96
16 BUCTRIL/ATRA	3	F	1.125 LB	A/A MP						
17 EQUIP CORN HERBICIDE	32	WDG	0.03 LB	A/A MP	97	98	2	98	95	96
17 AATREX	4	F	1.5 LB	A/A MP						
17 MSO		L	0.75 QT/A	MP						
17 LIQUID N		L	1.5 QT/A	MP						
18 BICEP II MAGNUM	5.5	L	2.89 LB	A/A PRE	60	83	0	97	50	80
LSD (P=.05)					15.7	6.4	1.1	1.0	13.9	6.4
Standard Deviation					9.4	3.8	0.7	0.6	8.3	3.8
CV					11.03	4.32	734.85	0.64	10.26	4.45

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE LIBERTY

Trial ID: C3022
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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

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

	A	B	C
Application Date:	04-28-03	05-19-03	05-22-03
Time of Day:	2:00	10:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	60 F	64 F	58 F
% Relative Humidity:	63	91	80
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	61 F	68 F	65 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	10

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CORN POSTEMERGENCE LIBERTY

Trial ID: C3022
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX EP	ZEAMX MP
Height, Unit:	4 IN	5 IN	

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA EP	SETFA MP
Density, Unit:	2 IN	3 IN	
Weed 2 Code, Stage:	XANST PRE	XANST EP	XANST MP
Density, Unit:	4 IN	5 IN	
Weed 3 Code, Stage:	IPOSS PRE	IPOSS EP	IPOSS MP
Density, Unit:	2 IN	3 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:	20 IN	24 IN	26 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 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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CORN POSTEMERGENCE LIBERTY II

Trial ID: C3023
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
1 EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	10	96	98	0	93	97
1 MSO		L	0.75	QT/A	EP						
1 LIQUID N		L	1.5	QT/A	EP						
2 EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	10	94	96	0	92	95
2 DEFINE	60	DF	0.3	LB A/A	EP						
2 AATREX	4	F	1	LB A/A	EP						
2 MSO		L	0.75	QT/A	EP						
2 LIQUID N		L	1.5	QT/A	EP						
3 EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	15	97	97	0	97	97
3 DEFINE	3.99	SC	0.3	LB A/A	EP						
3 AATREX	4	F	1	LB A/A	EP						
3 MSO		L	0.75	QT/A	EP						
3 LIQUID N		L	1.5	QT/A	EP						
4 LIBERTY	1.67	E	0.42	LB A/A	EP	0	99	99	0	92	96
4 AMS	100	SG	3	LB A/A	EP						
5 LIBERTY	1.67	E	0.42	LB A/A	EP	0	100	100	0	98	98
5 DEFINE	60	DF	0.3	LB A/A	EP						
5 AATREX	4	F	1	LB A/A	EP						
5 AMS	100	SG	3	LB A/A	EP						
6 LIBERTY	1.67	E	0.42	LB A/A	EP	3	100	100	0	98	98
6 DEFINE	3.99	SC	0.3	LB A/A	EP						
6 AATREX	4	F	1	LB A/A	EP						
6 AMS	100	SG	3	LB A/A	EP						
7 BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	100	100	0	97	98
7 LIBERTY	1.67	E	0.42	LB A/A	MP						
7 AATREX	4	F	1	LB A/A	MP						
7 AMS	100	SG	3	LB A/A	MP						
8 BALANCE PRO	4	SC	0.047	LB A/A	PRE	30	99	99	0	97	98
8 AATREX	4	F	1	LB A/A	PRE						
8 OPTION	35	WG	0.033	LB A/A	MP						
8 DISTINCT	70	WG	0.088	LB A/A	MP						
8 LIQUID N		L	1.5	QT/A	MP						
8 MSO		L	0.75	QT/A	MP						
9 BALANCE PRO	4	SC	0.078	LB A/A	PRE	0	99	99	0	93	96
9 AATREX	4	F	0.75	LB A/A	PRE						
9 PRINCEP	4	F	0.75	LB A/A	PRE						

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CORN POSTEMERGENCE LIBERTY II

Trial ID: C3023
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
10 CHECK UNTREATED						0	0	0	0	0
11 DEFINE	3.99	SC	0.31	LB	A/A MP	0	99	99	0	96
11 LIBERTY	1.67	E	0.37	LB	A/A MP					
11 AATREX	4	F	1	LB	A/A MP					
11 AMS	100	SG	3	LB	A/A MP					
12 AATREX	4	F	1.5	LB	A/A PRE	27	97	97	0	95
12 OPTION	35	WG	0.03	LB	A/A MP					
12 DISTINCT	70	WG	0.088	LB	A/A MP					
12 LIQUID N		L	1.5	QT/A	MP					
12 MSO		L	0.75	QT/A	MP					
13 LIBERTY	1.67	E	0.42	LB	A/A MP	0	99	99	0	97
13 AATREX	4	F	1.5	LB	A/A MP					
13 AMS	100	SG	3	LB	A/A MP					
14 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	3	99	99	0	97
LSD (P=.05)						6.7	3.4	2.1	0.0	3.7
Standard Deviation						4.0	2.1	1.2	0.0	2.2
CV						56.75	2.25	1.36	0.0	2.51

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

Trial ID: C3023
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg			
1	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	0	88	96
1	MSO		L	0.75	QT/A	EP			
1	LIQUID N		L	1.5	QT/A	EP			
2	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	0	88	95
2	DEFINE	60	DF	0.3	LB A/A	EP			
2	AATREX	4	F	1	LB A/A	EP			
2	MSO		L	0.75	QT/A	EP			
2	LIQUID N		L	1.5	QT/A	EP			
3	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	EP	0	95	97
3	DEFINE	3.99	SC	0.3	LB A/A	EP			
3	AATREX	4	F	1	LB A/A	EP			
3	MSO		L	0.75	QT/A	EP			
3	LIQUID N		L	1.5	QT/A	EP			
4	LIBERTY	1.67	E	0.42	LB A/A	EP	0	82	95
4	AMS	100	SG	3	LB A/A	EP			
5	LIBERTY	1.67	E	0.42	LB A/A	EP	0	95	98
5	DEFINE	60	DF	0.3	LB A/A	EP			
5	AATREX	4	F	1	LB A/A	EP			
5	AMS	100	SG	3	LB A/A	EP			
6	LIBERTY	1.67	E	0.42	LB A/A	EP	0	95	98
6	DEFINE	3.99	SC	0.3	LB A/A	EP			
6	AATREX	4	F	1	LB A/A	EP			
6	AMS	100	SG	3	LB A/A	EP			
7	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	92	97
7	LIBERTY	1.67	E	0.42	LB A/A	MP			
7	AATREX	4	F	1	LB A/A	MP			
7	AMS	100	SG	3	LB A/A	MP			
8	BALANCE PRO	4	SC	0.047	LB A/A	PRE	0	95	97
8	AATREX	4	F	1	LB A/A	PRE			
8	OPTION	35	WG	0.033	LB A/A	MP			
8	DISTINCT	70	WG	0.088	LB A/A	MP			
8	LIQUID N		L	1.5	QT/A	MP			
8	MSO		L	0.75	QT/A	MP			
9	BALANCE PRO	4	SC	0.078	LB A/A	PRE	0	90	96
9	AATREX	4	F	0.75	LB A/A	PRE			
9	PRINCEP	4	F	0.75	LB A/A	PRE			

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

Trial ID: C3023
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg			
10	CHECK UNTREATED						0	0	0
11	DEFINE	3.99	SC	0.31	LB A/A	MP	0	93	97
11	LIBERTY	1.67	E	0.37	LB A/A	MP			
11	AATREX	4	F	1	LB A/A	MP			
11	AMS	100	SG	3	LB A/A	MP			
12	AATREX	4	F	1.5	LB A/A	PRE	0	92	93
12	OPTION	35	WG	0.03	LB A/A	MP			
12	DISTINCT	70	WG	0.088	LB A/A	MP			
12	LIQUID N		L	1.5	QT/A	MP			
12	MSO		L	0.75	QT/A	MP			
13	LIBERTY	1.67	E	0.42	LB A/A	MP	0	93	96
13	AATREX	4	F	1.5	LB A/A	MP			
13	AMS	100	SG	3	LB A/A	MP			
14	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	95	96
	LSD (P=.05)						0.0	5.5	3.5
	Standard Deviation						0.0	3.3	2.1
	CV						0.0	3.85	2.33

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

Trial ID: C3023
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 04-30-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 65 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-07-03

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

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	04-30-03	05-19-03	05-21-03
Time of Day:	2:00	11:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	70 F	64 F	56 F
% Relative Humidity:	76	90	82
Wind Velocity, Unit:	4 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	65 F	68 F	65 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	20

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CORN POSTEMERGENCE LIBERTY II

Trial ID: C3023
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX EP	ZEAMX MP
Height, Unit:	3 IN	5 IN	

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA EP	SETFA MP
Density, Unit:	2 IN	3 IN	
Weed 2 Code, Stage:	ABUTH PRE	ABUTH EP	ABUTH MP
Density, Unit:	4 IN	5 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:	20 IN	24 IN	26 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

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CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code				SETFA	XANST	IPOSS
Crop Code						
Rating Data Type				CONTROL	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT
Trt-Eval Interval				1 WEEK	2 WEEK	PRE POST
ARM Action Codes				P	P	P
# Subsamples, Dec.				0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
1 CHECK UNTREATED						0	0	0	0	0
2 LUMAX	3.94	SE	2.46	LB A/A	PRE	0	0	99	95	96
3 LUMAX	3.94	SE	2.46	LB A/A	5C	0	0	99	96	96
4 LUMAX	3.94	SE	2.46	LB A/A	PRE	0	0	99	91	95
4 AATREX	4	F	1	LB A/A	PRE					
5 LUMAX	3.94	SE	2.46	LB A/A	5C	0	0	99	92	92
5 AATREX	4	F	1	LB A/A	5C					
6 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	0	99	88	92
6 CALLISTO	4	SC	0.094	LB A/A	MP					
6 AATREX	4	F	0.5	LB A/A	MP					
6 COC		L	1	QT/A	MP					
6 LIQUID N		L	2.5	QT/A	MP					
7 DEGREE XTRA	4.04	CS	3.23	LB A/A	PRE	0	0	98	83	83
7 YUKON	67.5	WG	0.169	LB A/A	MP					
7 COC		L	1	QT/A	MP					
7 LIQUID N		L	2.5	QT/A	MP					
8 OUTLOOK	6	EC	0.84	LB A/A	PRE	0	0	99	50	50
8 MARKSMAN	3.2	F	1.2	LB A/A	MP					
8 ACTIVATOR 90		L	0.125	% V/V	MP					
9 GUARDSMAN MAX	5	E	2.5	LB A/A	PRE	0	0	99	93	91
9 DISTINCT	70	WG	0.175	LB A/A	MP					
9 ACTIVATOR 90		L	0.25	% V/V	MP					
9 LIQUID N		L	2.5	% V/V	MP					
10 KEYSTONE	5.25	L	3.41	LB A/A	PRE	0	0	99	98	95
10 HORNET	68.5	WG	0.128	LB A/A	MP					
10 ACTIVATOR 90		L	0.25	% V/V	MP					
10 LIQUID N		L	2.5	% V/V	MP					
11 CINCH ATZ	5.5	L	1.03	LB A/A	PRE	0	0	99	72	75
11 STEADFAST	75	WG	0.035	LB A/A	MP					
11 AATREX	4	F	1	LB A/A	MP					
11 COC		L	1	QT/A	MP					
11 LIQUID N		L	2.5	QT/A	MP					

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CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code				SETFA	XANST	IPOSS
Crop Code						
Rating Data Type				CONTROL	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT
Trt-Eval Interval				1 WEEK	2 WEEK	PRE POST
ARM Action Codes				P	P	P
# Subsamples, Dec.				0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg					
12 HARNESS XTRA	5.6	EC	1.4 LB A/A	PRE	0	0	99	72	72
12 ROUNDUP WeatherMAX	5.5	SL	0.9 LB A/A	MP					
12 AMS		L	3.7 % V/V	MP					
13 ROUNDUP WeatherMAX	5.5	SL	0.9 LB A/A	MP	0	0	99	75	70
13 AMS		L	3.7 % V/V	MP					
13 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A	+14D					
13 AMS		L	3.7 % V/V	+14D					
14 BASIS GOLD	89.5	DF	0.78 LB A/A	MP	0	0	99	70	70
14 CLARITY		E	0.125 LB A/A	MP					
14 ACTIVATOR 90		L	0.25 % V/V	MP					
14 LIQUID N		L	2.5 QT/A	MP					
15 CELEBRITY PLUS	70	WG	0.21 LB A/A	MP	0	0	99	43	43
15 ACTIVATOR 90		L	0.25 % V/V	MP					
15 LIQUID N		L	2.5 QT/A	MP					
16 STEADFAST	75	WG	0.035 LB A/A	MP	0	0	99	70	70
16 AATREX		F	0.5 LB A/A	MP					
16 CALLISTO		SC	0.094 LB A/A	MP					
16 COC		L	1 QT/A	MP					
16 LIQUID N		L	2.5 QT/A	MP					
17 STEADFAST	75	WG	0.035 LB A/A	MP	0	0	99	72	72
17 AATREX		F	0.5 LB A/A	MP					
17 CLARITY		E	0.063 LB A/A	MP					
17 COC		L	1 QT/A	MP					
17 LIQUID N		L	2.5 QT/A	MP					
18 OPTION	35	WG	0.033 LB A/A	MP	0	0	99	53	55
18 HORNET	68.5	WG	0.128 LB A/A	MP					
18 MSO		L	1 QT/A	MP					
18 LIQUID N		L	2.5 QT/A	MP					
19 BICEP II MAGNUM	5.5	L	2.89 LB A/A	PRE	0	0	99	87	87
19 SPIRIT	57	WG	0.036 LB A/A	MP					
19 COC		L	1 QT/A	MP					
19 LIQUID N		L	2.5 QT/A	MP					
20 EQUIP CORN HERBICIDE	32	WDG	0.03 LB A/A	MP	0	0	99	52	52
20 MSO		L	0.75 QT/A	MP					
20 LIQUID N		L	1.5 QT/A	MP					

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CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code			SETFA	XANST	IPOSS
Crop Code		ZEAMX	ZEAMX		
Rating Data Type		INJURY	INJURY	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval		1 WEEK	2 WEEK	PRE POST	PRE POST
ARM Action Codes		P	P	P	P
# Subsamples, Dec.		0	0	0	0

Trt Treatment	Form Form	Rate	Grow		
No. Name	Conc Type Rate	Unit	Stg		
LSD (P=.05)				0.0	0.0
Standard Deviation				0.0	0.0
CV				0.56	15.62

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CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
1 CHECK UNTREATED						0	0	0	0	0	0
2 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	0	98	97	97	97
3 LUMAX	3.94	SE	2.46	LB	A/A 5C	0	0	98	98	98	98
4 LUMAX	3.94	SE	2.46	LB	A/A PRE	0	0	98	91	91	93
4 AATREX	4	F	1	LB	A/A PRE						
5 LUMAX	3.94	SE	2.46	LB	A/A 5C	0	0	98	98	98	98
5 AATREX	4	F	1	LB	A/A 5C						
6 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	5	10	98	98	98	98
6 CALLISTO	4	SC	0.094	LB	A/A MP						
6 AATREX	4	F	0.5	LB	A/A MP						
6 COC		L	1	QT/A	MP						
6 LIQUID N		L	2.5	QT/A	MP						
7 DEGREE XTRA	4.04	CS	3.23	LB	A/A PRE	3	7	98	97	97	97
7 YUKON	67.5	WG	0.169	LB	A/A MP						
7 COC		L	1	QT/A	MP						
7 LIQUID N		L	2.5	QT/A	MP						
8 OUTLOOK	6	EC	0.84	LB	A/A PRE	5	7	98	98	98	98
8 MARKSMAN	3.2	F	1.2	LB	A/A MP						
8 ACTIVATOR 90		L	0.125	%	V/V MP						
9 GUARDSMAN MAX	5	E	2.5	LB	A/A PRE	3	7	98	96	96	95
9 DISTINCT	70	WG	0.175	LB	A/A MP						
9 ACTIVATOR 90		L	0.25	%	V/V MP						
9 LIQUID N		L	2.5	%	V/V MP						
10 KEYSTONE	5.25	L	3.41	LB	A/A PRE	10	13	98	97	97	97
10 HORNET	68.5	WG	0.128	LB	A/A MP						
10 ACTIVATOR 90		L	0.25	%	V/V MP						
10 LIQUID N		L	2.5	%	V/V MP						
11 CINCH ATZ	5.5	L	1.03	LB	A/A PRE	0	0	98	95	95	95
11 STEADFAST	75	WG	0.035	LB	A/A MP						
11 AATREX	4	F	1	LB	A/A MP						
11 COC		L	1	QT/A	MP						
11 LIQUID N		L	2.5	QT/A	MP						

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CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg					
12 HARNESS XTRA	5.6	EC	1.4 LB A/A	PRE	0	3	98	98	98
12 ROUNDUP WeatherMAX	5.5	SL	0.9 LB A/A	MP					
12 AMS		L	3.7 % V/V	MP					
13 ROUNDUP WeatherMAX	5.5	SL	0.9 LB A/A	MP	0	0	98	97	97
13 AMS		L	3.7 % V/V	MP					
13 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A	+14D					
13 AMS		L	3.7 % V/V	+14D					
14 BASIS GOLD	89.5	DF	0.78 LB A/A	MP	0	0	98	98	98
14 CLARITY		E	0.125 LB A/A	MP					
14 ACTIVATOR 90		L	0.25 % V/V	MP					
14 LIQUID N		L	2.5 QT/A	MP					
15 CELEBRITY PLUS	70	WG	0.21 LB A/A	MP	0	0	98	98	98
15 ACTIVATOR 90		L	0.25 % V/V	MP					
15 LIQUID N		L	2.5 QT/A	MP					
16 STEADFAST	75	WG	0.035 LB A/A	MP	2	3	98	98	98
16 AATREX		F	0.5 LB A/A	MP					
16 CALLISTO		SC	0.094 LB A/A	MP					
16 COC		L	1 QT/A	MP					
16 LIQUID N		L	2.5 QT/A	MP					
17 STEADFAST	75	WG	0.035 LB A/A	MP	0	3	98	98	98
17 AATREX		F	0.5 LB A/A	MP					
17 CLARITY		E	0.063 LB A/A	MP					
17 COC		L	1 QT/A	MP					
17 LIQUID N		L	2.5 QT/A	MP					
18 OPTION	35	WG	0.033 LB A/A	MP	0	3	98	98	97
18 HORNET	68.5	WG	0.128 LB A/A	MP					
18 MSO		L	1 QT/A	MP					
18 LIQUID N		L	2.5 QT/A	MP					
19 BICEP II MAGNUM	5.5	L	2.89 LB A/A	PRE	0	7	98	98	98
19 SPIRIT	57	WG	0.036 LB A/A	MP					
19 COC		L	1 QT/A	MP					
19 LIQUID N		L	2.5 QT/A	MP					
20 EQUIP CORN HERBICIDE	32	WDG	0.03 LB A/A	MP	7	7	98	97	97
20 MSO		L	0.75 QT/A	MP					
20 LIQUID N		L	1.5 QT/A	MP					

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

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	ZEAMX	ZEAMX
Crop Code	ZEAMX		ZEAMX		ZEAMX	
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	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						
1 CHECK UNTREATED						0	0	0	0	0	0
2 LUMAX	3.94	SE	2.46	LB A/A	PRE	0	98	94	94	95	0
3 LUMAX	3.94	SE	2.46	LB A/A	5C	0	98	97	97	97	0
4 LUMAX	3.94	SE	2.46	LB A/A	PRE	0	98	87	87	92	0
4 AATREX	4	F	1	LB A/A	PRE						
5 LUMAX	3.94	SE	2.46	LB A/A	5C	0	98	96	96	96	0
5 AATREX	4	F	1	LB A/A	5C						
6 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	98	98	98	98	0
6 CALLISTO	4	SC	0.094	LB A/A	MP						
6 AATREX	4	F	0.5	LB A/A	MP						
6 COC		L	1	QT/A	MP						
6 LIQUID N		L	2.5	QT/A	MP						
7 DEGREE XTRA	4.04	CS	3.23	LB A/A	PRE	0	98	95	95	94	0
7 YUKON	67.5	WG	0.169	LB A/A	MP						
7 COC		L	1	QT/A	MP						
7 LIQUID N		L	2.5	QT/A	MP						
8 OUTLOOK	6	EC	0.84	LB A/A	PRE	0	98	96	96	96	0
8 MARKSMAN	3.2	F	1.2	LB A/A	MP						
8 ACTIVATOR 90		L	0.125	% V/V	MP						
9 GUARDSMAN MAX	5	E	2.5	LB A/A	PRE	0	98	95	95	93	0
9 DISTINCT	70	WG	0.175	LB A/A	MP						
9 ACTIVATOR 90		L	0.25	% V/V	MP						
9 LIQUID N		L	2.5	% V/V	MP						
10 KEYSTONE	5.25	L	3.41	LB A/A	PRE	0	98	94	94	95	0
10 HORNET	68.5	WG	0.128	LB A/A	MP						
10 ACTIVATOR 90		L	0.25	% V/V	MP						
10 LIQUID N		L	2.5	% V/V	MP						
11 CINCH ATZ	5.5	L	1.03	LB A/A	PRE	0	98	95	95	93	0
11 STEADFAST	75	WG	0.035	LB A/A	MP						
11 AATREX	4	F	1	LB A/A	MP						
11 COC		L	1	QT/A	MP						
11 LIQUID N		L	2.5	QT/A	MP						

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

CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	ZEAMX	ZEAMX
Crop Code	ZEAMX		ZEAMX		ZEAMX	
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	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						
12 HARNESS XTRA	5.6	EC	1.4 LB A/A	PRE	0	98	97	97	96	0
12 ROUNDUP WeatherMAX	5.5	SL	0.9 LB A/A	MP						
12 AMS		L	3.7 % V/V	MP						
13 ROUNDUP WeatherMAX	5.5	SL	0.9 LB A/A	MP	0	98	97	97	96	0
13 AMS		L	3.7 % V/V	MP						
13 ROUNDUP WeatherMAX	5.5	SL	0.69 LB A/A	+14D						
13 AMS		L	3.7 % V/V	+14D						
14 BASIS GOLD	89.5	DF	0.78 LB A/A	MP	0	98	97	97	95	0
14 CLARITY		E	0.125 LB A/A	MP						
14 ACTIVATOR 90		L	0.25 % V/V	MP						
14 LIQUID N		L	2.5 QT/A	MP						
15 CELEBRITY PLUS	70	WG	0.21 LB A/A	MP	0	98	96	96	95	0
15 ACTIVATOR 90		L	0.25 % V/V	MP						
15 LIQUID N		L	2.5 QT/A	MP						
16 STEADFAST	75	WG	0.035 LB A/A	MP	0	98	97	96	96	0
16 AATREX		F	0.5 LB A/A	MP						
16 CALLISTO		SC	0.094 LB A/A	MP						
16 COC		L	1 QT/A	MP						
16 LIQUID N		L	2.5 QT/A	MP						
17 STEADFAST	75	WG	0.035 LB A/A	MP	0	98	98	98	97	0
17 AATREX		F	0.5 LB A/A	MP						
17 CLARITY		E	0.063 LB A/A	MP						
17 COC		L	1 QT/A	MP						
17 LIQUID N		L	2.5 QT/A	MP						
18 OPTION	35	WG	0.033 LB A/A	MP	0	98	97	96	93	0
18 HORNET	68.5	WG	0.128 LB A/A	MP						
18 MSO		L	1 QT/A	MP						
18 LIQUID N		L	2.5 QT/A	MP						
19 BICEP II MAGNUM	5.5	L	2.89 LB A/A	PRE	0	98	98	98	98	0
19 SPIRIT	57	WG	0.036 LB A/A	MP						
19 COC		L	1 QT/A	MP						
19 LIQUID N		L	2.5 QT/A	MP						
20 EQUIP CORN HERBICIDE	32	WDG	0.03 LB A/A	MP	0	98	96	96	93	0
20 MSO		L	0.75 QT/A	MP						
20 LIQUID N		L	1.5 QT/A	MP						

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

CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

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

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)						0.0
Standard Deviation						0.0
CV						0.0

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

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	ZEAMX
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	XANST	IPOSS	ZEAMX YIELD
1	CHECK UNTREATED						0	0	0	0	66
2	LUMAX	3.94	SE	2.46	LB A/A	PRE	98	94	94	90	182
3	LUMAX	3.94	SE	2.46	LB A/A	5C	98	97	97	92	188
4	LUMAX	3.94	SE	2.46	LB A/A	PRE	98	85	85	87	192
4	AATREX	4	F	1	LB A/A	PRE					
5	LUMAX	3.94	SE	2.46	LB A/A	5C	98	95	95	93	190
5	AATREX	4	F	1	LB A/A	5C					
6	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	98	98	98	96	190
6	CALLISTO	4	SC	0.094	LB A/A	MP					
6	AATREX	4	F	0.5	LB A/A	MP					
6	COC		L	1	QT/A	MP					
6	LIQUID N		L	2.5	QT/A	MP					
7	DEGREE XTRA	4.04	CS	3.23	LB A/A	PRE	98	95	95	92	169
7	YUKON	67.5	WG	0.169	LB A/A	MP					
7	COC		L	1	QT/A	MP					
7	LIQUID N		L	2.5	QT/A	MP					
8	OUTLOOK	6	EC	0.84	LB A/A	PRE	98	95	95	95	168
8	MARKSMAN	3.2	F	1.2	LB A/A	MP					
8	ACTIVATOR 90		L	0.125	% V/V	MP					
9	GUARDSMAN MAX	5	E	2.5	LB A/A	PRE	98	92	90	92	186
9	DISTINCT	70	WG	0.175	LB A/A	MP					
9	ACTIVATOR 90		L	0.25	% V/V	MP					
9	LIQUID N		L	2.5	% V/V	MP					
10	KEYSTONE	5.25	L	3.41	LB A/A	PRE	98	94	94	90	168
10	HORNET	68.5	WG	0.128	LB A/A	MP					
10	ACTIVATOR 90		L	0.25	% V/V	MP					
10	LIQUID N		L	2.5	% V/V	MP					
11	CINCH ATZ	5.5	L	1.03	LB A/A	PRE	98	95	93	87	166
11	STEADFAST	75	WG	0.035	LB A/A	MP					
11	AATREX	4	F	1	LB A/A	MP					
11	COC		L	1	QT/A	MP					
11	LIQUID N		L	2.5	QT/A	MP					

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

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	ZEAMX
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	XANST	IPOSS	ZEAMX YIELD
12	HARNESS XTRA	5.6	EC	1.4	LB A/A	PRE	98	95	96	87	157
12	ROUNDUP WeatherMAX	5.5	SL	0.9	LB A/A	MP					
12	AMS		L	3.7	% V/V	MP					
13	ROUNDUP WeatherMAX	5.5	SL	0.9	LB A/A	MP	98	97	97	90	178
13	AMS		L	3.7	% V/V	MP					
13	ROUNDUP WeatherMAX	5.5	SL	0.69	LB A/A	+14D					
13	AMS		L	3.7	% V/V	+14D					
14	BASIS GOLD	89.5	DF	0.78	LB A/A	MP	98	97	97	90	190
14	CLARITY	4	E	0.125	LB A/A	MP					
14	ACTIVATOR 90		L	0.25	% V/V	MP					
14	LIQUID N		L	2.5	QT/A	MP					
15	CELEBRITY PLUS	70	WG	0.21	LB A/A	MP	98	95	95	92	177
15	ACTIVATOR 90		L	0.25	% V/V	MP					
15	LIQUID N		L	2.5	QT/A	MP					
16	STEADFAST	75	WG	0.035	LB A/A	MP	98	97	96	93	162
16	AATREX	4	F	0.5	LB A/A	MP					
16	CALLISTO	4	SC	0.094	LB A/A	MP					
16	COC		L	1	QT/A	MP					
16	LIQUID N		L	2.5	QT/A	MP					
17	STEADFAST	75	WG	0.035	LB A/A	MP	98	97	96	93	155
17	AATREX	4	F	0.5	LB A/A	MP					
17	CLARITY	4	E	0.063	LB A/A	MP					
17	COC		L	1	QT/A	MP					
17	LIQUID N		L	2.5	QT/A	MP					
18	OPTION	35	WG	0.033	LB A/A	MP	98	95	94	90	157
18	HORNET	68.5	WG	0.128	LB A/A	MP					
18	MSO		L	1	QT/A	MP					
18	LIQUID N		L	2.5	QT/A	MP					
19	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	98	98	98	93	165
19	SPIRIT	57	WG	0.036	LB A/A	MP					
19	COC		L	1	QT/A	MP					
19	LIQUID N		L	2.5	QT/A	MP					
20	EQUIP CORN HERBICIDE	32	WDG	0.03	LB A/A	MP	98	96	96	90	176
20	MSO		L	0.75	QT/A	MP					
20	LIQUID N		L	1.5	QT/A	MP					

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

Trial ID: C3030
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	XANST	IPOSS	
Crop Code					ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)						0.0 5.6 5.3 6.2 27.7
Standard Deviation						0.0 3.4 3.2 3.8 16.8
CV						0.0 3.78 3.57 4.37 9.93

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

Trial ID: C3030
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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: 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	D
Application Date:	04-28-03	05-16-03	05-30-03	06-16-03
Time of Day:	2:00	11:00	3:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	5C	MP	+14D
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	60 F	64 F	61 F	72 F
% Relative Humidity:	63	74	75	98
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	61 F	68 F	64 F	74 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20	10	20

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CORN POSTEMERGENCE ROUNDUP READY II

Trial ID: C3030
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX 5C	ZEAMX MP	ZEAMX +14D
Height, Unit:	5	IN	7	IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA PRE	SETFA 5C	SETFA MP	SETFA +14D
Density, Unit:	2	IN	4	IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR 5C	AMBTR 5C	AMBTR +14D
Density, Unit:	4	IN	6	IN
Weed 3 Code, Stage:	XANST PRE	XANST 5C	XANST 5C	XANST +14D
Density, Unit:	4	IN	6	IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS 5C	IPOSS 5C	IPOSS +14D
Density, Unit:	3	IN	5	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:	10 FT	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	25 IN	28 IN	32 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2	CO2

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CORN POSTEMERGENCE ROUNDUP READY III

Trial ID: C3031
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
1 KEYSTONE	5.25	L	1.75	QT/A	PRE	7	98	98	98	0	98
1 AATREX	4	F	0.5	LB A/A	PRE						
1 GLYPHOMAX HC	5.4	SL	1	LB A/A	MP						
1 AMS		L	1.5	% V/V	MP						
2 KEYSTONE	5.25	L	1.75	QT/A	PRE	0	98	98	97	0	98
2 AATREX	4	F	0.5	LB A/A	PRE						
2 GLYPHOMAX PLUS	4	SL	1	LB A/A	MP						
2 AMS		L	1.5	% V/V	MP						
3 FULTIME	4	CS	1.65	LB A/A	PRE	3	98	98	98	0	98
3 AATREX	4	F	0.5	LB A/A	PRE						
3 GLYPHOMAX PLUS	4	SL	1	LB A/A	MP						
3 AMS		L	1.5	% V/V	MP						
4 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	EP	0	98	98	98	0	98
4 RIMSULFURON	25	DF	0.0029	LB A/A	EP						
4 AMS	100	SG	2	LB A/A	EP						
5 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	EP	0	98	96	96	0	98
5 RIMSULFURON	25	DF	0.0058	LB A/A	EP						
5 AMS	100	SG	2	LB A/A	EP						
6 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	EP	0	98	98	98	0	98
6 CINCH ATZ	5.5	L	2.89	LB A/A	EP						
6 AMS	100	SG	2	LB A/A	EP						
7 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP	0	98	98	94	0	98
7 RIMSULFURON	25	DF	0.0058	LB A/A	LP						
7 AMS	100	SG	2	LB A/A	LP						
8 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP	0	98	97	97	0	98
8 CINCH ATZ	5.5	L	2.89	LB A/A	LP						
8 AMS	100	SG	2	LB A/A	LP						
9 AIM	2	EW	0.008	LB A/A	LP	7	98	96	95	0	98
9 ROUNDUP WeatherMAX	5.5	SL	0.69	LB A/A	LP						
9 AMS	100	SG	4	LB A/A	LP						
10 AIM	2	EW	0.008	LB A/A	LP	10	98	98	98	0	98
10 ROUNDUP WeatherMAX	5.5	SL	0.95	LB A/A	LP						
10 AMS	100	SG	4	LB A/A	LP						

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CORN POSTEMERGENCE ROUNDUP READY III

Trial ID: C3031
Location: LEXINGTON, KY

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

Weed Code		SETFA	XANST	IPOSS		SETFA
Crop Code		ZEAMX				ZEAMX
Rating Data Type		INJURY CONTROL	CONTROL	CONTROL		INJURY CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT		PERCENT
Trt-Eval Interval		2 WEEK	2 WEEK	2 WEEK		4 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	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT	XANST CONTROL PERCENT	IPOSS CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT
11	ROUNDUP WeatherMAX	5.5	SL	0.69	LB A/A	LP	0	98	97	95	0	98
11	AMS	100	SG	4	LB A/A	LP						
12	ROUNDUP WeatherMAX	5.5	SL	0.95	LB A/A	LP	0	98	97	95	0	98
12	AMS	100	SG	4	LB A/A	LP						
	LSD (P=.05)						4.8	0.0	1.8	2.6	0.0	0.0
	Standard Deviation						2.8	0.0	1.0	1.5	0.0	0.0
	CV						127.92	0.0	1.06	1.56	0.0	0.0

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE ROUNDUP READY III

Trial ID: C3031
Location: LEXINGTON, KY

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

Weed Code	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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 Rate	Unit	Grow Stg	XANST	IPOSS	ZEAMX	SETFA	XANST	IPOSS
1 KEYSTONE	5.25	L	1.75	QT/A	PRE	93	93	0	98	93	90
1 AATREX	4	F	0.5	LB A/A	PRE						
1 GLYPHOMAX HC	5.4	SL	1	LB A/A	MP						
1 AMS		L	1.5	% V/V	MP						
2 KEYSTONE	5.25	L	1.75	QT/A	PRE	93	93	0	97	92	88
2 AATREX	4	F	0.5	LB A/A	PRE						
2 GLYPHOMAX PLUS	4	SL	1	LB A/A	MP						
2 AMS		L	1.5	% V/V	MP						
3 FULTIME	4	CS	1.65	LB A/A	PRE	95	93	0	97	92	90
3 AATREX	4	F	0.5	LB A/A	PRE						
3 GLYPHOMAX PLUS	4	SL	1	LB A/A	MP						
3 AMS		L	1.5	% V/V	MP						
4 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	EP	93	95	0	98	90	90
4 RIMSULFURON	25	DF	0.0029	LB A/A	EP						
4 AMS	100	SG	2	LB A/A	EP						
5 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	EP	92	90	0	97	90	88
5 RIMSULFURON	25	DF	0.0058	LB A/A	EP						
5 AMS	100	SG	2	LB A/A	EP						
6 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	EP	96	96	0	98	95	92
6 CINCH ATZ	5.5	L	2.89	LB A/A	EP						
6 AMS	100	SG	2	LB A/A	EP						
7 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP	97	93	0	96	96	87
7 RIMSULFURON	25	DF	0.0058	LB A/A	LP						
7 AMS	100	SG	2	LB A/A	LP						
8 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP	95	93	0	98	95	88
8 CINCH ATZ	5.5	L	2.89	LB A/A	LP						
8 AMS	100	SG	2	LB A/A	LP						
9 AIM	2	EW	0.008	LB A/A	LP	95	92	0	96	93	88
9 ROUNDUP WeatherMAX	5.5	SL	0.69	LB A/A	LP						
9 AMS	100	SG	4	LB A/A	LP						
10 AIM	2	EW	0.008	LB A/A	LP	93	93	0	96	90	90
10 ROUNDUP WeatherMAX	5.5	SL	0.95	LB A/A	LP						
10 AMS	100	SG	4	LB A/A	LP						

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE ROUNDUP READY III

Trial ID: C3031
Location: LEXINGTON, KY

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

Weed Code	XANST	IPOSS		SETFA	XANST	IPOSS
Crop Code			ZEAMX			
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	XANST	IPOSS	ZEAMX INJURY	SETFA	XANST	IPOSS
11	ROUNDUP WeatherMAX	5.5	SL	0.69	LB A/A	LP	94	90	0	97	93	88
11	AMS	100	SG	4	LB A/A	LP						
12	ROUNDUP WeatherMAX	5.5	SL	0.95	LB A/A	LP	96	92	0	97	95	88
12	AMS	100	SG	4	LB A/A	LP						
LSD (P=.05)							4.5	6.6	0.0	2.0	6.5	8.2
Standard Deviation							2.6	3.9	0.0	1.2	3.8	4.8
CV							2.79	4.2	0.0	1.19	4.12	5.44

Dept. of Agronomy, Univ. of Ky
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CORN POSTEMERGENCE ROUNDUP READY III

Trial ID: C3031
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 04-28-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 61 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-05-03

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

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

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	04-28-03	05-21-03	05-30-03	05-30-03
Time of Day:	2:00	10:00	2:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	60 F	56 F	61 F	61 F
% Relative Humidity:	63	82	75	75
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	61 F	65 F	64 F	64 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	15	10	10

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

CORN POSTEMERGENCE ROUNDUP READY III

Trial ID: C3031
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX EP	ZEAMX MP	ZEAMX LP
Height, Unit:	5	IN	7	IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA PRE	SETFA EP	SETFA MP	SETFA LP
Density, Unit:	2	IN	4	IN
Weed 2 Code, Stage:	XANST PRE	XANST EP	XANST MP	XANST LP
Density, Unit:	4	IN	6	IN
Weed 3 Code, Stage:	IPOSS PRE	IPOSS EP	IPOSS MP	IPOSS LP
Density, Unit:	2	IN	4	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
Boom Length, Unit:	5	FT	5	FT
Boom Height, Unit:	20	IN	28	IN
Ground Speed, Unit:	4	MPH	3	MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2	CO2	CO2	CO2

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE DANDELION

Trial ID: C3032
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg						
1 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE	0	100	97	0	97	97
1 AMS		L	3.9 % V/V	PRE						
1 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP						
1 AMS		L	3.9 % V/V	MP						
2 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE	0	100	99	0	98	98
2 WEEDONE LV4	3.8	E	0.5 LB A/A	PRE						
2 AMS		L	3.9 % V/V	PRE						
2 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP						
2 AMS		L	3.9 % V/V	MP						
3 TOUCHDOWN IQ	4	SL	32 FL OZ/A	PRE	0	100	96	0	97	97
3 AMS		L	2.5 % V/V	PRE						
3 TOUCHDOWN	4	AS	32 FL OZ/A	MP						
3 AMS		L	2.5 % V/V	MP						
4 TOUCHDOWN IQ	4	SL	32 FL OZ/A	PRE	0	100	98	0	97	97
4 WEEDONE LV4	3.8	E	0.5 LB A/A	PRE						
4 AMS		L	2.5 % V/V	PRE						
4 TOUCHDOWN	4	AS	32 FL OZ/A	MP						
4 AMS		L	2.5 % V/V	MP						
5 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	PRE	0	100	96	0	96	96
5 AMS		L	2.5 % V/V	PRE						
5 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	MP						
5 AMS		L	2.5 % V/V	MP						
6 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	PRE	0	100	100	0	97	97
6 WEEDONE LV4	3.8	E	0.5 LB A/A	PRE						
6 AMS		L	2.5 % V/V	PRE						
6 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	MP						
6 AMS		L	2.5 % V/V	MP						
7 GRAMOXONE MAX	3	AS	1.3 PT/A	PRE	0	100	76	0	97	97
7 WEEDONE LV4	3.8	E	0.5 LB A/A	PRE						
7 COC		L	1 QT/A	PRE						
7 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	MP						
7 AMS		L	2.5 % V/V	MP						

LSD (P=.05)	0.0	0.0	8.9	0.0	3.1	3.1
Standard Deviation	0.0	0.0	6.0	0.0	2.1	2.1
CV	0.0	0.0	6.35	0.0	2.13	2.13

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE DANDELION

Trial ID: C3032
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
2.	TRZAW WHEAT, WINTER	TRITICUM AESTIVUM L.

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 05-08-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 66 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-16-03

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:	05-08-03	06-04-03
Time of Day:	10:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	MP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	70 F	58 F
% Relative Humidity:	78	86
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	66 F	62 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE DANDELION

Trial ID: C3032
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 MP
Height, Unit:	7	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	TAROF PRE	TAROF MP
Density, Unit:	4	IN
Weed 2 Code, Stage:	TRZAW PRE	TRZAW MP

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:	10 FT	10 FT
Boom Height, Unit:	22 IN	28 IN
Ground Speed, Unit:	4 MPH	3 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 CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033
Location: LEXINGTON, KY

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

Weed Code	LACSE	STEME	ERICA	SETFA	CHEAL
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Weed Stage	BURNDOWN	BURNDOWN	BURNDOWN		
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	LACSE	STEME	ERICA	SETFA	CHEAL
1 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE	93	100	93	99	99
1 AMS		L	3.7 % V/V	PRE					
1 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP					
1 AMS		L	3.7 % V/V	LP					
2 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE	99	100	98	99	96
2 AMS		L	3.7 % V/V	PRE					
2 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LLP					
2 AMS		L	3.7 % V/V	LLP					
3 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	PRE	97	100	97	99	99
3 AMS		L	3.7 % V/V	PRE					
3 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	LP					
3 AMS		L	3.7 % V/V	LP					
4 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	PRE	95	100	98	99	96
4 AMS		L	3.7 % V/V	PRE					
4 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	LLP					
4 AMS		L	3.7 % V/V	LLP					
5 TOUCHDOWN IQ	4	SL	32 FL OZ/A	PRE	92	100	93	99	99
5 AMS		L	3.7 % V/V	PRE					
5 TOUCHDOWN IQ	4	SL	32 FL OZ/A	LP					
5 AMS		L	3.7 % V/V	LP					
6 TOUCHDOWN IQ	4	SL	32 FL OZ/A	PRE	92	100	92	99	96
6 AMS		L	3.7 % V/V	PRE					
6 TOUCHDOWN IQ	4	SL	32 FL OZ/A	LLP					
6 AMS		L	3.7 % V/V	LLP					
7 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	PRE	92	100	93	98	98
7 AMS		L	3.7 % V/V	PRE					
7 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	LP					
7 AMS		L	3.7 % V/V	LP					
8 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	PRE	97	100	95	99	99
8 AMS		L	3.7 % V/V	PRE					
8 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	LLP					
8 AMS		L	3.7 % V/V	LLP					

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033
Location: LEXINGTON, KY

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

Weed Code	LACSE	STEME	ERICA	SETFA	CHEAL
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Weed Stage	BURNDOWN	BURNDOWN	BURNDOWN		
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	LACSE	STEME	ERICA	SETFA	CHEAL
9 HONCHO	4 SL		32 FL OZ/A	PRE	92	100	92	99	99
9 ACTIVATOR 90	L		0.5 % V/V	PRE					
9 AMS	L		3.7 % V/V	PRE					
9 HONCHO	4 SL		32 FL OZ/A	LP					
9 ACTIVATOR 90	L		0.5 % V/V	LP					
9 AMS	L		3.7 % V/V	LP					
10 HONCHO	4 SL		32 FL OZ/A	PRE	95	100	96	98	99
10 ACTIVATOR 90	L		0.5 % V/V	PRE					
10 AMS	L		3.7 % V/V	PRE					
10 HONCHO	4 SL		32 FL OZ/A	LLP					
10 ACTIVATOR 90	L		0.5 % V/V	LLP					
10 AMS	L		3.7 % V/V	LLP					
11 GLYPHOMAX PLUS	4 SL		32 FL OZ/A	PRE	93	100	95	99	98
11 AMS	L		3.7 % V/V	PRE					
11 GLYPHOMAX PLUS	4 SL		32 FL OZ/A	LP					
11 AMS	L		3.7 % V/V	LP					
12 GLYPHOMAX PLUS	4 SL		32 FL OZ/A	PRE	87	100	90	99	99
12 AMS	L		3.7 % V/V	PRE					
12 GLYPHOMAX PLUS	4 SL		32 FL OZ/A	LLP					
12 AMS	L		3.7 % V/V	LLP					
13 CLEAROUT 41 PLUS	4 SL		32 FL OZ/A	PRE	89	100	89	98	99
13 AMS	L		3.7 % V/V	PRE					
13 CLEAROUT 41 PLUS	4 SL		32 FL OZ/A	LP					
13 AMS	L		3.7 % V/V	LP					
14 CLEAROUT 41 PLUS	4 SL		32 FL OZ/A	PRE	92	100	92	99	96
14 AMS	L		3.7 % V/V	PRE					
14 CLEAROUT 41 PLUS	4 SL		32 FL OZ/A	LLP					
14 AMS	L		3.7 % V/V	LLP					
15 CHECK UNTREATED					99	100	97	0	0
15 ROUNDUP WeatherMAX	5.5 SL		22 FL OZ/A	PRE					
15 AMS	L		3.7 % V/V	PRE					
16 CHECK UNTREATED					100	100	99	0	0
16 ROUNDUP WeatherMAX	5.5 SL		22 FL OZ/A	PRE					
16 AMS	L		3.7 % V/V	PRE					

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033
Location: LEXINGTON, KY

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

Weed Code	LACSE	STEME	ERICA	SETFA	CHEAL
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Weed Stage	BURNDOWN	BURNDOWN	BURNDOWN		
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg
LSD (P=.05)			9.1		
Standard Deviation			5.5		
CV			5.83		

	9.1	0.0	7.6	1.7	4.2
	5.5	0.0	4.6	1.0	2.5
	5.83	0.0	4.86	1.2	2.98

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033
Location: LEXINGTON, KY

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

Weed Code	XANST	SETFA	CHEAL	XANST	ZEAMX
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Weed Stage					
Trt-Eval Interval	2 WEEK	8 WEEK	8 WEEK	8 WEEK	15%
ARM Action Codes	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	XANST	SETFA	CHEAL	XANST	ZEAMX
1 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE	99	99	99	99	196
1 AMS		L	3.7 % V/V	PRE					
1 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP					
1 AMS		L	3.7 % V/V	LP					
2 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE	98	99	96	98	198
2 AMS		L	3.7 % V/V	PRE					
2 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LLP					
2 AMS		L	3.7 % V/V	LLP					
3 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	PRE	99	99	99	99	200
3 AMS		L	3.7 % V/V	PRE					
3 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	LP					
3 AMS		L	3.7 % V/V	LP					
4 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	PRE	99	99	96	99	188
4 AMS		L	3.7 % V/V	PRE					
4 ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A	LLP					
4 AMS		L	3.7 % V/V	LLP					
5 TOUCHDOWN IQ	4	SL	32 FL OZ/A	PRE	99	99	99	99	210
5 AMS		L	3.7 % V/V	PRE					
5 TOUCHDOWN IQ	4	SL	32 FL OZ/A	LP					
5 AMS		L	3.7 % V/V	LP					
6 TOUCHDOWN IQ	4	SL	32 FL OZ/A	PRE	99	99	96	99	203
6 AMS		L	3.7 % V/V	PRE					
6 TOUCHDOWN IQ	4	SL	32 FL OZ/A	LLP					
6 AMS		L	3.7 % V/V	LLP					
7 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	PRE	99	98	98	99	209
7 AMS		L	3.7 % V/V	PRE					
7 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	LP					
7 AMS		L	3.7 % V/V	LP					
8 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	PRE	99	99	99	99	193
8 AMS		L	3.7 % V/V	PRE					
8 TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A	LLP					
8 AMS		L	3.7 % V/V	LLP					

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033
Location: LEXINGTON, KY

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

Weed Code	XANST	SETFA	CHEAL	XANST	
Crop Code					ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Weed Stage					
Trt-Eval Interval	2 WEEK	8 WEEK	8 WEEK	8 WEEK	15%
ARM Action Codes	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg					
9 HONCHO	4	SL	32 FL OZ/A	PRE	99	99	99	99	209
9 ACTIVATOR 90	L		0.5 % V/V	PRE					
9 AMS	L		3.7 % V/V	PRE					
9 HONCHO	4	SL	32 FL OZ/A	LP					
9 ACTIVATOR 90	L		0.5 % V/V	LP					
9 AMS	L		3.7 % V/V	LP					
10 HONCHO	4	SL	32 FL OZ/A	PRE	99	98	99	99	206
10 ACTIVATOR 90	L		0.5 % V/V	PRE					
10 AMS	L		3.7 % V/V	PRE					
10 HONCHO	4	SL	32 FL OZ/A	LLP					
10 ACTIVATOR 90	L		0.5 % V/V	LLP					
10 AMS	L		3.7 % V/V	LLP					
11 GLYPHOMAX PLUS	4	SL	32 FL OZ/A	PRE	99	99	98	99	197
11 AMS	L		3.7 % V/V	PRE					
11 GLYPHOMAX PLUS	4	SL	32 FL OZ/A	LP					
11 AMS	L		3.7 % V/V	LP					
12 GLYPHOMAX PLUS	4	SL	32 FL OZ/A	PRE	99	99	99	99	189
12 AMS	L		3.7 % V/V	PRE					
12 GLYPHOMAX PLUS	4	SL	32 FL OZ/A	LLP					
12 AMS	L		3.7 % V/V	LLP					
13 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	PRE	99	98	99	99	208
13 AMS	L		3.7 % V/V	PRE					
13 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP					
13 AMS	L		3.7 % V/V	LP					
14 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	PRE	98	99	96	98	172
14 AMS	L		3.7 % V/V	PRE					
14 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LLP					
14 AMS	L		3.7 % V/V	LLP					
15 CHECK UNTREATED					0	0	0	0	176
15 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE					
15 AMS	L		3.7 % V/V	PRE					
16 CHECK UNTREATED					0	0	0	0	178
16 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE					
16 AMS	L		3.7 % V/V	PRE					

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033
Location: LEXINGTON, KY

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

Weed Code	XANST	SETFA	CHEAL	XANST	
Crop Code					ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Weed Stage					
Trt-Eval Interval	2 WEEK	8 WEEK	8 WEEK	8 WEEK	15%
ARM Action Codes	P	P	P	P	TY1
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	
LSD (P=.05)	0.5		1.7		4.2	0.5 29.1
Standard Deviation	0.3		1.0		2.5	0.3 17.4
CV	0.38		1.2		2.98	0.38 8.9

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

NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033

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:** 04-22-03
Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	LACSE LETTUCE, PRICKLY	LACTUCA SERRIOLA L./TORN.
2.	STEME CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
3.	ERICA HORSEWEED	CONYZA CANADENSIS
4.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
5.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
6.	XANST COCKLEBUR, COMMON	XANTHIUM STRUMARIUM L. SSP. STRUMARIUM

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 05-01-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 65 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-09-03

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 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
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NO-TILL CORN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: C3033

Study Dir.: CHARLES H. SLACK

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APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-08-03	06-05-03	06-19-03
Time of Day:	3:00	11:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	LP	LLP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	70 F	62 F	69 F
% Relative Humidity:	78	64	83
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	66 F	63 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	10	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX LP	ZEAMX LLP
Height, Unit:		7 IN	9 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	LACSE PRE	LACSE LP	LACSE LLP
Density, Unit:	4 IN		
Weed 2 Code, Stage:	STEME PRE	STEME LP	STEME LLP
Density, Unit:	4 IN		
Weed 3 Code, Stage:	ERICA PRE	ERICA LP	ERICA LLP
Density, Unit:	4 IN		
Weed 4 Code, Stage:	SETFA PRE	SETFA LP	SETFA LLP
Density, Unit:		4 IN	6 IN
Weed 5 Code, Stage:	CHEAL PRE	CHEAL LP	CHEAL LLP
Density, Unit:		6 IN	8 IN
Weed 6 Code, Stage:	XANST PRE	XANST LP	XANST LLP
Density, Unit:		5 IN	7 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:	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	28 IN	30 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 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 EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI		AMBTR
Crop Code					ZEAMX	
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	AMBTR	IPOSS	DIGSA	PANDI	ZEAMX	AMBTR
1	BICEP II MAGNUM	5.5 L		2.89 LB	A/A	3WK	75	75	90	90	0	86
1	AATREX	4 F		0.375 LB	A/A	3WK						
1	GRAMOXONE MAX	3 AS		0.638 LB	A/A	3WK						
1	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
1	ACTIVATOR 90	L		0.25 %	V/V	3WK						
2	DEGREE XTRA	4.04 CS		3.03 LB	A/A	3WK	75	75	90	90	0	78
2	AATREX	4 F		1 LB	A/A	3WK						
2	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	3WK						
2	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
2	AMS	L		3.7 %	V/V	3WK						
3	LUMAX	3.94 SE		2.44 LB	A/A	3WK	73	79	91	91	0	79
3	AATREX	4 F		0.875 LB	A/A	3WK						
3	GRAMOXONE MAX	3 AS		0.638 LB	A/A	3WK						
3	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
3	ACTIVATOR 90	L		0.25 %	V/V	3WK						
4	DEGREE XTRA	4.04 CS		2.53 LB	A/A	3WK	71	79	91	91	0	76
4	BALANCE PRO	4 SC		0.063 LB	A/A	3WK						
4	AATREX	4 F		0.67 LB	A/A	3WK						
4	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	3WK						
4	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
4	AMS	L		3.7 %	V/V	3WK						
5	AATREX	4 F		1 LB	A/A	3WK	46	39	38	38	0	94
5	GRAMOXONE MAX	3 AS		0.638 LB	A/A	3WK						
5	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
5	ACTIVATOR 90	L		0.25 %	V/V	3WK						
5	LUMAX	3.94 SE		1.83 LB	A/A	5C						
5	ACTIVATOR 90	L		0.25 %	V/V	5C						
6	AATREX	4 F		1 LB	A/A	3WK	49	46	43	43	0	99
6	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	3WK						
6	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
6	AMS	L		3.7 %	V/V	3WK						
6	DEGREE XTRA	4.04 CS		2.27 LB	A/A	5C						
6	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	18C						
6	AMS	L		3.7 %	V/V	18C						

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NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI		AMBTR
Crop Code					ZEAMX	
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	AMBTR	IPOSS	DIGSA	PANDI	ZEAMX	AMBTR
7	BICEP II MAGNUM	5.5	L		2.89	LB A/A	3WK	74	80	91	93	0	80
7	GRAMOXONE MAX	3	AS		0.638	LB A/A	3WK						
7	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK						
7	ACTIVATOR 90		L		0.25	% V/V	3WK						
7	CALLISTO	4	SC		0.094	LB A/A	18C						
7	COC		L		1	QT/A	18C						
7	LIQUID N		L		2	QT/A	18C						
8	DEGREE XTRA	4.04	CS		3.03	LB A/A	3WK	80	81	93	93	0	84
8	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	3WK						
8	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK						
8	AMS		L		3.7	% V/V	3WK						
8	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	18C						
8	AMS		L		3.7	% V/V	18C						
9	CINCH ATZ	5.5	L		2.89	LB A/A	3WK	80	76	91	91	0	81
9	GRAMOXONE MAX	3	AS		0.638	LB A/A	3WK						
9	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK						
9	ACTIVATOR 90		L		0.25	% V/V	3WK						
9	STEADFAST	75	WG		0.035	LB A/A	18C						
9	COC		L		1	QT/A	18C						
9	LIQUID N		L		2	QT/A	18C						
10	DEGREE XTRA	4.04	CS		3.03	LB A/A	3WK	71	70	90	90	0	75
10	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	3WK						
10	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK						
10	AMS		L		3.7	% V/V	3WK						
10	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	18C						
10	AMS		L		3.7	% V/V	18C						
11	CINCH ATZ	5.5	L		2.17	LB A/A	3WK	71	71	90	90	0	73
11	GRAMOXONE MAX	3	AS		0.638	LB A/A	3WK						
11	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK						
11	ACTIVATOR 90		L		0.25	% V/V	3WK						
11	STEADFAST	75	WG		0.035	LB A/A	18C						
11	COC		L		1	QT/A	18C						
11	LIQUID N		L		2	QT/A	18C						

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Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI	ZEAMX	AMBTR
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg						
12 DEGREE XTRA	4.04	CS	2.27	LB A/A	3WK	74	75	90	90	0	80
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
12 AMS		L	3.7	% V/V	3WK						
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
12 AMS		L	3.7	% V/V	18C						
13 CINCH ATZ	5.5	L	1.45	LB A/A	3WK	76	69	85	85	0	69
13 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
13 ACTIVATOR 90		L	0.25	% V/V	3WK						
13 STEADFAST	75	WG	0.035	LB A/A	18C						
13 COC		L	1	QT/A	18C						
13 LIQUID N		L	2	QT/A	18C						
14 DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	61	58	89	89	0	66
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
14 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
14 AMS		L	3.7	% V/V	3WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
14 AMS		L	3.7	% V/V	18C						
15 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	0	0	8	8	0	0
15 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
15 ACTIVATOR 90		L	0.25	% V/V	3WK						
15 STEADFAST	75	WG	0.035	LB A/A	18C						
15 COC		L	1	QT/A	18C						
15 LIQUID N		L	2	QT/A	18C						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	0	13	40	40	0	0
16 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
16 AMS		L	3.7	% V/V	3WK						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
16 AMS		L	3.7	% V/V	18C						
17 AATREX	4	F	1	LB A/A	3WK	55	48	48	48	0	50
17 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
17 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
17 ACTIVATOR 90		L	0.25	% V/V	3WK						
17 DISTINCT	70	WG	0.088	LB A/A	18C						

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Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI	AMBTR
Crop Code	ZEAMX				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date					
Crop Stage					
Trt-Eval Interval	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS 8 WEEKS
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	IPOSS	DIGSA	PANDI	AMBTR	
18 AATREX	4	F	1	LB A/A	3WK	59	60	40	40	0	58
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
18 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
18 AMS		L	3.7	% V/V	3WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
18 DISTINCT	70	WG	0.088	LB A/A	18C						
18 AMS		L	3.7	% V/V	18C						

LSD (P=.05)	24.5	22.3	17.5	17.5	0.0	12.5
Standard Deviation	17.3	15.8	12.3	12.4	0.0	8.9
CV	28.63	26.03	17.15	17.17	0.0	13.02

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NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	IPOSS	DIGSA	PANDI	AMACH	CHEAL	
Crop Code						ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage	0					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	IPOSS	DIGSA	PANDI	AMACH	CHEAL	ZEAMX
1	BICEP II MAGNUM	L	5.5	2.89 LB	A/A	3WK	85	82	82	91	91	0
1	AATREX	F	4	0.375 LB	A/A	3WK						
1	GRAMOXONE MAX	AS	3	0.638 LB	A/A	3WK						
1	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
1	ACTIVATOR 90	L		0.25 %	V/V	3WK						
2	DEGREE XTRA	CS	4.04	3.03 LB	A/A	3WK	84	96	96	96	96	0
2	AATREX	F	4	1 LB	A/A	3WK						
2	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	3WK						
2	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
2	AMS	L		3.7 %	V/V	3WK						
3	LUMAX	SE	3.94	2.44 LB	A/A	3WK	83	94	94	90	90	0
3	AATREX	F	4	0.875 LB	A/A	3WK						
3	GRAMOXONE MAX	AS	3	0.638 LB	A/A	3WK						
3	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
3	ACTIVATOR 90	L		0.25 %	V/V	3WK						
4	DEGREE XTRA	CS	4.04	2.53 LB	A/A	3WK	85	94	95	96	96	0
4	BALANCE PRO	SC	4	0.063 LB	A/A	3WK						
4	AATREX	F	4	0.67 LB	A/A	3WK						
4	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	3WK						
4	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
4	AMS	L		3.7 %	V/V	3WK						
5	AATREX	F	4	1 LB	A/A	3WK	93	70	71	95	95	4
5	GRAMOXONE MAX	AS	3	0.638 LB	A/A	3WK						
5	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
5	ACTIVATOR 90	L		0.25 %	V/V	3WK						
5	LUMAX	SE	3.94	1.83 LB	A/A	5C						
5	ACTIVATOR 90	L		0.25 %	V/V	5C						
6	AATREX	F	4	1 LB	A/A	3WK	99	99	99	99	99	0
6	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	3WK						
6	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
6	AMS	L		3.7 %	V/V	3WK						
6	DEGREE XTRA	CS	4.04	2.27 LB	A/A	5C						
6	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	18C						
6	AMS	L		3.7 %	V/V	18C						

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Weed Code	IPOSS	DIGSA	PANDI	AMACH	CHEAL	
Crop Code						ZEAMX
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage	0					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	IPOSS	DIGSA	PANDI	AMACH	CHEAL	ZEAMX
7	BICEP II MAGNUM	L	5.5	2.89 LB	A/A	3WK	81	90	89	85	86	0
7	GRAMOXONE MAX	AS	3	0.638 LB	A/A	3WK						
7	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
7	ACTIVATOR 90	L		0.25 %	V/V	3WK						
7	CALLISTO	SC	4	0.094 LB	A/A	18C						
7	COC	L		1 QT/A		18C						
7	LIQUID N	L		2 QT/A		18C						
8	DEGREE XTRA	CS	4.04	3.03 LB	A/A	3WK	84	94	93	94	94	0
8	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	3WK						
8	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
8	AMS	L		3.7 %	V/V	3WK						
8	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	18C						
8	AMS	L		3.7 %	V/V	18C						
9	CINCH ATZ	L	5.5	2.89 LB	A/A	3WK	85	89	89	87	89	0
9	GRAMOXONE MAX	AS	3	0.638 LB	A/A	3WK						
9	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
9	ACTIVATOR 90	L		0.25 %	V/V	3WK						
9	STEADFAST	WG	75	0.035 LB	A/A	18C						
9	COC	L		1 QT/A		18C						
9	LIQUID N	L		2 QT/A		18C						
10	DEGREE XTRA	CS	4.04	3.03 LB	A/A	3WK	79	93	95	96	96	0
10	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	3WK						
10	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
10	AMS	L		3.7 %	V/V	3WK						
10	ROUNDUP WeatherMAX	SL	5.5	22 FL	OZ/A	18C						
10	AMS	L		3.7 %	V/V	18C						
11	CINCH ATZ	L	5.5	2.17 LB	A/A	3WK	78	76	76	83	86	0
11	GRAMOXONE MAX	AS	3	0.638 LB	A/A	3WK						
11	WEEDONE LV4	E	3.8	0.5 LB	A/A	3WK						
11	ACTIVATOR 90	L		0.25 %	V/V	3WK						
11	STEADFAST	WG	75	0.035 LB	A/A	18C						
11	COC	L		1 QT/A		18C						
11	LIQUID N	L		2 QT/A		18C						

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

NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	IPOSS	DIGSA	PANDI	AMACH	CHEAL	ZEAMX
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage	0					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	IPOSS	DIGSA	PANDI	AMACH	CHEAL	ZEAMX
12 DEGREE XTRA	4.04	CS	2.27	LB A/A	3WK	79	83	81	91	88	0
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
12 AMS		L	3.7	% V/V	3WK						
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
12 AMS		L	3.7	% V/V	18C						
13 CINCH ATZ	5.5	L	1.45	LB A/A	3WK	70	74	74	77	77	0
13 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
13 ACTIVATOR 90		L	0.25	% V/V	3WK						
13 STEADFAST	75	WG	0.035	LB A/A	18C						
13 COC		L	1	QT/A	18C						
13 LIQUID N		L	2	QT/A	18C						
14 DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	73	80	83	86	86	0
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
14 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
14 AMS		L	3.7	% V/V	3WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
14 AMS		L	3.7	% V/V	18C						
15 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	0	0	0	0	0	0
15 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
15 ACTIVATOR 90		L	0.25	% V/V	3WK						
15 STEADFAST	75	WG	0.035	LB A/A	18C						
15 COC		L	1	QT/A	18C						
15 LIQUID N		L	2	QT/A	18C						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	0	0	0	0	0	0
16 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
16 AMS		L	3.7	% V/V	3WK						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
16 AMS		L	3.7	% V/V	18C						
17 AATREX	4	F	1	LB A/A	3WK	50	0	0	50	50	0
17 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
17 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
17 ACTIVATOR 90		L	0.25	% V/V	3WK						
17 DISTINCT	70	WG	0.088	LB A/A	18C						

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

NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	IPOSS	DIGSA	PANDI	AMACH	CHEAL	ZEAMX
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage	0					
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	IPOSS	DIGSA	PANDI	AMACH	CHEAL	ZEAMX
18 AATREX	4	F	1	LB A/A	3WK	55	0	0	50	50	0
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
18 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
18 AMS		L	3.7	% V/V	3WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
18 DISTINCT	70	WG	0.088	LB A/A	18C						
18 AMS		L	3.7	% V/V	18C						

LSD (P=.05)	9.8	9.3	9.2	6.8	6.6	0.9
Standard Deviation	6.9	6.6	6.5	4.8	4.6	0.6
CV	9.92	9.74	9.6	6.29	6.09	320.71

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NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI	TAROF	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
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	AMBTR	IPOSS	DIGSA	PANDI	TAROF	CHEAL
1	BICEP II MAGNUM	5.5	L	2.89	LB A/A	3WK	76	80	84	85	48	49
1	AATREX	4	F	0.375	LB A/A	3WK						
1	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
1	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
1	ACTIVATOR 90		L	0.25	% V/V	3WK						
2	DEGREE XTRA	4.04	CS	3.03	LB A/A	3WK	74	80	91	92	90	93
2	AATREX	4	F	1	LB A/A	3WK						
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
2	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
2	AMS		L	3.7	% V/V	3WK						
3	LUMAX	3.94	SE	2.44	LB A/A	3WK	69	79	86	88	68	74
3	AATREX	4	F	0.875	LB A/A	3WK						
3	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
3	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
3	ACTIVATOR 90		L	0.25	% V/V	3WK						
4	DEGREE XTRA	4.04	CS	2.53	LB A/A	3WK	69	79	94	93	90	89
4	BALANCE PRO	4	SC	0.063	LB A/A	3WK						
4	AATREX	4	F	0.67	LB A/A	3WK						
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
4	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
4	AMS		L	3.7	% V/V	3WK						
5	AATREX	4	F	1	LB A/A	3WK	96	96	74	70	95	95
5	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
5	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
5	ACTIVATOR 90		L	0.25	% V/V	3WK						
5	LUMAX	3.94	SE	1.83	LB A/A	5C						
5	ACTIVATOR 90		L	0.25	% V/V	5C						
6	AATREX	4	F	1	LB A/A	3WK	97	97	99	99	94	94
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
6	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
6	AMS		L	3.7	% V/V	3WK						
6	DEGREE XTRA	4.04	CS	2.27	LB A/A	5C						
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
6	AMS		L	3.7	% V/V	18C						

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Trial ID: C3040
Location: LEXINGTON, KY

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Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI	TAROF	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
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	AMBTR	IPOSS	DIGSA	PANDI	TAROF	CHEAL
7	BICEP II MAGNUM	5.5 L		2.89 LB	A/A	3WK	78	80	88	85	40	50
7	GRAMOXONE MAX	3 AS		0.638 LB	A/A	3WK						
7	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
7	ACTIVATOR 90	L		0.25 %	V/V	3WK						
7	CALLISTO	4 SC		0.094 LB	A/A	18C						
7	COC	L		1 QT/A		18C						
7	LIQUID N	L		2 QT/A		18C						
8	DEGREE XTRA	4.04 CS		3.03 LB	A/A	3WK	83	84	91	95	85	83
8	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	3WK						
8	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
8	AMS	L		3.7 %	V/V	3WK						
8	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	18C						
8	AMS	L		3.7 %	V/V	18C						
9	CINCH ATZ	5.5 L		2.89 LB	A/A	3WK	65	73	83	81	65	69
9	GRAMOXONE MAX	3 AS		0.638 LB	A/A	3WK						
9	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
9	ACTIVATOR 90	L		0.25 %	V/V	3WK						
9	STEADFAST	75 WG		0.035 LB	A/A	18C						
9	COC	L		1 QT/A		18C						
9	LIQUID N	L		2 QT/A		18C						
10	DEGREE XTRA	4.04 CS		3.03 LB	A/A	3WK	63	73	93	93	85	89
10	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	3WK						
10	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
10	AMS	L		3.7 %	V/V	3WK						
10	ROUNDUP WeatherMAX	5.5 SL		22 FL	OZ/A	18C						
10	AMS	L		3.7 %	V/V	18C						
11	CINCH ATZ	5.5 L		2.17 LB	A/A	3WK	71	73	78	78	65	63
11	GRAMOXONE MAX	3 AS		0.638 LB	A/A	3WK						
11	WEEDONE LV4	3.8 E		0.5 LB	A/A	3WK						
11	ACTIVATOR 90	L		0.25 %	V/V	3WK						
11	STEADFAST	75 WG		0.035 LB	A/A	18C						
11	COC	L		1 QT/A		18C						
11	LIQUID N	L		2 QT/A		18C						

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Location: LEXINGTON, KY

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Weed Code	AMBTR	IPOSS	DIGSA	PANDI	TAROF	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
12 DEGREE XTRA	4.04	CS	2.27	LB A/A	3WK	73	75	84	85	73	79
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
12 AMS		L	3.7	% V/V	3WK						
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
12 AMS		L	3.7	% V/V	18C						
13 CINCH ATZ	5.5	L	1.45	LB A/A	3WK	64	66	60	58	53	50
13 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
13 ACTIVATOR 90		L	0.25	% V/V	3WK						
13 STEADFAST	75	WG	0.035	LB A/A	18C						
13 COC		L	1	QT/A	18C						
13 LIQUID N		L	2	QT/A	18C						
14 DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	59	65	73	75	60	60
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
14 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
14 AMS		L	3.7	% V/V	3WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
14 AMS		L	3.7	% V/V	18C						
15 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	0	0	0	0	0	0
15 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
15 ACTIVATOR 90		L	0.25	% V/V	3WK						
15 STEADFAST	75	WG	0.035	LB A/A	18C						
15 COC		L	1	QT/A	18C						
15 LIQUID N		L	2	QT/A	18C						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	0	0	0	0	0	0
16 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
16 AMS		L	3.7	% V/V	3WK						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
16 AMS		L	3.7	% V/V	18C						
17 AATREX	4	F	1	LB A/A	3WK	43	43	0	0	13	13
17 GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK						
17 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
17 ACTIVATOR 90		L	0.25	% V/V	3WK						
17 DISTINCT	70	WG	0.088	LB A/A	18C						

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Trial ID: C3040
Location: LEXINGTON, KY

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Investigator: Charles Slack

Weed Code	AMBTR	IPOSS	DIGSA	PANDI	TAROF	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						
Crop Stage						
Trt-Eval Interval	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
18 AATREX	4	F	1	LB A/A	3WK	43	35	0	0	0	0
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
18 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
18 AMS		L	3.7	% V/V	3WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
18 DISTINCT	70	WG	0.088	LB A/A	18C						
18 AMS		L	3.7	% V/V	18C						

LSD (P=.05)	15.7	13.9	10.0	10.0	20.0	20.0
Standard Deviation	11.1	9.8	7.1	7.1	14.2	14.1
CV	17.83	15.07	10.85	10.86	24.97	24.32

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

ZEAMX
YIELDS
BU/A

15 %

0

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	Yield
1	BICEP II MAGNUM	5.5	L	2.89	LB A/A	3WK	166
1	AATREX	4	F	0.375	LB A/A	3WK	
1	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
1	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
1	ACTIVATOR 90		L	0.25	% V/V	3WK	
2	DEGREE XTRA	4.04	CS	3.03	LB A/A	3WK	172
2	AATREX	4	F	1	LB A/A	3WK	
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
2	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
2	AMS		L	3.7	% V/V	3WK	
3	LUMAX	3.94	SE	2.44	LB A/A	3WK	150
3	AATREX	4	F	0.875	LB A/A	3WK	
3	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
3	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
3	ACTIVATOR 90		L	0.25	% V/V	3WK	
4	DEGREE XTRA	4.04	CS	2.53	LB A/A	3WK	172
4	BALANCE PRO	4	SC	0.063	LB A/A	3WK	
4	AATREX	4	F	0.67	LB A/A	3WK	
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
4	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
4	AMS		L	3.7	% V/V	3WK	
5	AATREX	4	F	1	LB A/A	3WK	198
5	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
5	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
5	ACTIVATOR 90		L	0.25	% V/V	3WK	
5	LUMAX	3.94	SE	1.83	LB A/A	5C	
5	ACTIVATOR 90		L	0.25	% V/V	5C	
6	AATREX	4	F	1	LB A/A	3WK	191
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
6	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
6	AMS		L	3.7	% V/V	3WK	
6	DEGREE XTRA	4.04	CS	2.27	LB A/A	5C	
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
6	AMS		L	3.7	% V/V	18C	

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NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

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

ZEAMX
YIELDS
BU/A

15 %

0

Trt No.	Treatment Name	Form	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	
7	BICEP II MAGNUM	5.5	L		2.89	LB A/A	3WK	177
7	GRAMOXONE MAX	3	AS		0.638	LB A/A	3WK	
7	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK	
7	ACTIVATOR 90		L		0.25	% V/V	3WK	
7	CALLISTO	4	SC		0.094	LB A/A	18C	
7	COC		L		1	QT/A	18C	
7	LIQUID N		L		2	QT/A	18C	
8	DEGREE XTRA	4.04	CS		3.03	LB A/A	3WK	207
8	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	3WK	
8	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK	
8	AMS		L		3.7	% V/V	3WK	
8	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	18C	
8	AMS		L		3.7	% V/V	18C	
9	CINCH ATZ	5.5	L		2.89	LB A/A	3WK	177
9	GRAMOXONE MAX	3	AS		0.638	LB A/A	3WK	
9	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK	
9	ACTIVATOR 90		L		0.25	% V/V	3WK	
9	STEADFAST	75	WG		0.035	LB A/A	18C	
9	COC		L		1	QT/A	18C	
9	LIQUID N		L		2	QT/A	18C	
10	DEGREE XTRA	4.04	CS		3.03	LB A/A	3WK	189
10	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	3WK	
10	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK	
10	AMS		L		3.7	% V/V	3WK	
10	ROUNDUP WeatherMAX	5.5	SL		22	FL OZ/A	18C	
10	AMS		L		3.7	% V/V	18C	
11	CINCH ATZ	5.5	L		2.17	LB A/A	3WK	176
11	GRAMOXONE MAX	3	AS		0.638	LB A/A	3WK	
11	WEEDONE LV4	3.8	E		0.5	LB A/A	3WK	
11	ACTIVATOR 90		L		0.25	% V/V	3WK	
11	STEADFAST	75	WG		0.035	LB A/A	18C	
11	COC		L		1	QT/A	18C	
11	LIQUID N		L		2	QT/A	18C	

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NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

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

ZEAMX
YIELDS
BU/A

15 %

0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Yield
12	DEGREE XTRA	4.04	CS	2.27	LB A/A	3WK	191
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
12	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
12	AMS		L	3.7	% V/V	3WK	
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
12	AMS		L	3.7	% V/V	18C	
13	CINCH ATZ	5.5	L	1.45	LB A/A	3WK	181
13	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
13	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
13	ACTIVATOR 90		L	0.25	% V/V	3WK	
13	STEADFAST	75	WG	0.035	LB A/A	18C	
13	COC		L	1	QT/A	18C	
13	LIQUID N		L	2	QT/A	18C	
14	DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	186
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
14	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
14	AMS		L	3.7	% V/V	3WK	
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
14	AMS		L	3.7	% V/V	18C	
15	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	137
15	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
15	ACTIVATOR 90		L	0.25	% V/V	3WK	
15	STEADFAST	75	WG	0.035	LB A/A	18C	
15	COC		L	1	QT/A	18C	
15	LIQUID N		L	2	QT/A	18C	
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	173
16	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
16	AMS		L	3.7	% V/V	3WK	
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
16	AMS		L	3.7	% V/V	18C	
17	AATREX	4	F	1	LB A/A	3WK	165
17	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
17	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
17	ACTIVATOR 90		L	0.25	% V/V	3WK	
17	DISTINCT	70	WG	0.088	LB A/A	18C	

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

NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code
Crop Code ZEAMX
Rating Data Type YIELDS
Rating Unit BU/A
Rating Date
Crop Stage
Trt-Eval Interval 15 %
ARM Action Codes
Subsamples, Dec. 0

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	
18 AATREX	4	F	1	LB A/A	3WK	172
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
18 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
18 AMS		L	3.7	% V/V	3WK	
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
18 DISTINCT	70	WG	0.088	LB A/A	18C	
18 AMS		L	3.7	% V/V	18C	

LSD (P=.05) 27.2
Standard Deviation 19.3
CV 10.89

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

NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40511
Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON **Trial Status:** COMPLETE
State/Prov.: KENTUCKY
Postal Code: 40546 **Initiation Date:** 04-22-03
Country: USA

Conducted Under GLP (Y/N): N**Conducted Under GEP (Y/N):** N**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
2.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
3.	DIGSA CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.
4.	PANDI PANICUM, FALL	PANICUM DICHOTOMIFLORUM (L.) MICHX.
5.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.
6.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
7.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 04-24-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** SMOOTH/TRASHY
Soil Temperature: 55 F **Soil Moisture:** NORMAL

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 3	% OM: 4	Texture: SILT LOAM
% Silt: 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

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

NO TILL CORN EARLY PREPLANT

Trial ID: C3040
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	04-02-03	05-16-03	06-02-03
Time of Day:	10:00	1:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	3 WK	5C	18C
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	64 F	64 F	57 F
% Relative Humidity:	51	74	59
Wind Velocity, Unit:	6 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	52 F	64 F	61 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX 3WK	ZEAMX 5C	ZEAMX 18C
Height, Unit:		5 IN	18 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	AMBTR 3WK	AMBTR 5C	AMBTR 18C
Density, Unit:		4 IN	8 IN
Weed 2 Code, Stage:	IPOSS 3WK	IPOSS 5C	IPOSS 18C
Density, Unit:		1 IN	4 IN
Weed 3 Code, Stage:	DIGSA 3WK	DIGSA 5C	DIGSA 18C
Density, Unit:		1 IN	2 IN
Weed 4 Code, Stage:	PANDI 3WK	PANDI 5C	PANDI 18C
Density, Unit:		.5 IN	2 IN
Weed 5 Code, Stage:	AMACH 3WK	AMACH 5C	AMACH 18C
Density, Unit:		1 IN	4 IN
Weed 6 Code, Stage:	CHEAL 3WK	CHEAL 5C	CHEAL 18C
Density, Unit:		2 IN	4 IN
Weed 7 Code, Stage:	TAROF 3WK	TAROF 5C	TAROF 18C
Density, Unit:		1 IN	4 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:	10 FT	10 FT	10 FT
Boom Height, Unit:	24 IN	30 IN	40 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 ROUNDUP READY VARIETIES

Trial ID: C3041
Location: LEXINGTON, KY.

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

Weed Code	AMBTR	PANDI	AMBTR	PANDI	AMBTR	ZEAMX
Crop Code	PERCENT CONTROL					CHLORSIS
Rating Data Type	CONTROL	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	6 WEEKS	6 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	10 WEEKS
Trt-Eval Interval	CONTROL					
ARM Action Codes	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0

Trt Treatment	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
16 DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	68	87	55	99	7	3
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
16 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
16 AMS		L	3.7	% V/V	3WK						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C						
16 AMS		L	3.7	% V/V	18C						
16 P34B62											
LSD (P=.05)						8.7	5.2	14.5	0.0	2.0	5.0
Standard Deviation						6.1	3.6	10.1	0.0	1.4	3.5
CV						7.6	3.68	12.87	0.0	44.13	67.71

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

NO-TILL CORN ROUNDUP READY VARIETIES

Trial ID: C3041

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code
Crop Code ZEAMX
Rating Data Type YIELD
Rating Unit BU/A
Trt-Eval Interval 15%
ARM Action Codes
Subsamples, Dec. 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	
1	BICEP II MAGNUM	5.5	L	2.89	LB A/A	3WK	223
1	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
1	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
1	CALLISTO	4	SC	0.094	LB A/A	18C	
1	COC		L	1	QT/A	18C	
1	LIQUID N		L	2.5	QT/A	18C	
1	DKC64-10						
2	CINCH ATZ	5.5	L	2.89	LB A/A	3WK	204
2	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
2	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
2	STEADFAST	75	WG	0.035	LB A/A	18C	
2	COC		L	1	QT/A	18C	
2	LIQUID N		L	2	QT/A	18C	
2	DKC64-10						
3	DEGREE XTRA	4.04	CS	3.03	LB A/A	3WK	218
3	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
3	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
3	AMS		L	3.7	% V/V	3WK	
3	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
3	AMS		L	3.7	% V/V	18C	
3	DKC64-10						
4	DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	217
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
4	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
4	AMS		L	3.7	% V/V	3WK	
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
4	AMS		L	3.7	% V/V	18C	
4	DKC64-10						
5	BICEP II MAGNUM	5.5	L	2.89	LB A/A	3WK	266
5	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
5	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
5	CALLISTO	4	SC	0.094	LB A/A	18C	
5	COC		L	1	QT/A	18C	
5	LIQUID N		L	2.5	QT/A	18C	
5	P33P34						

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

NO-TILL CORN ROUNDUP READY VARIETIES

Trial ID: C3041

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code
Crop Code ZEAMX
Rating Data Type YIELD
Rating Unit BU/A
Trt-Eval Interval 15%
ARM Action Codes
Subsamples, Dec. 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Yield
6	CINCH ATZ	5.5	L	2.89	LB A/A	3WK	257
6	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
6	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
6	STEADFAST	75	WG	0.035	LB A/A	18C	
6	COC		L	1	QT/A	18C	
6	LIQUID N		L	2	QT/A	18C	
6	P33P34						
7	DEGREE XTRA	4.04	CS	3.03	LB A/A	3WK	270
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
7	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
7	AMS		L	3.7	% V/V	3WK	
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
7	AMS		L	3.7	% V/V	18C	
7	P33P34						
8	DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	275
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
8	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
8	AMS		L	3.7	% V/V	3WK	
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
8	AMS		L	3.7	% V/V	18C	
8	P33P34						
9	BICEP II MAGNUM	5.5	L	2.89	LB A/A	3WK	208
9	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
9	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
9	CALLISTO	4	SC	0.094	LB A/A	18C	
9	COC		L	1	QT/A	18C	
9	LIQUID N		L	2.5	QT/A	18C	
9	RX718RR/YG						
10	CINCH ATZ	5.5	L	2.89	LB A/A	3WK	172
10	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
10	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
10	STEADFAST	75	WG	0.035	LB A/A	18C	
10	COC		L	1	QT/A	18C	
10	LIQUID N		L	2	QT/A	18C	
10	RX718RR/YG						

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

NO-TILL CORN ROUNDUP READY VARIETIES

Trial ID: C3041

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code
Crop Code ZEAMX
Rating Data Type YIELD
Rating Unit BU/A
Trt-Eval Interval 15%
ARM Action Codes
Subsamples, Dec. 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	
11	DEGREE XTRA	4.04	CS	3.03	LB A/A	3WK	215
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
11	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
11	AMS		L	3.7	% V/V	3WK	
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
11	AMS		L	3.7	% V/V	18C	
11	RX718RR/YG						
12	DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	208
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
12	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
12	AMS		L	3.7	% V/V	3WK	
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
12	AMS		L	3.7	% V/V	18C	
12	RX718RR/YG						
13	BICEP II MAGNUM	5.5	L	2.89	LB A/A	3WK	191
13	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
13	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
13	CALLISTO	4	SC	0.094	LB A/A	18C	
13	COC		L	1	QT/A	18C	
13	LIQUID N		L	2.5	QT/A	18C	
13	P34B62						
14	CINCH ATZ	5.5	L	2.89	LB A/A	3WK	163
14	GRAMOXONE MAX	3	AS	0.638	LB A/A	3WK	
14	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
14	STEADFAST	75	WG	0.035	LB A/A	18C	
14	COC		L	1	QT/A	18C	
14	LIQUID N		L	2	QT/A	18C	
14	P34B62						
15	DEGREE XTRA	4.04	CS	3.03	LB A/A	3WK	197
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
15	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
15	AMS		L	3.7	% V/V	3WK	
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
15	AMS		L	3.7	% V/V	18C	
15	P34B62						

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

NO-TILL CORN ROUNDUP READY VARIETIES

Trial ID: C3041

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code
Crop Code ZEAMX
Rating Data Type YIELD
Rating Unit BU/A
Trt-Eval Interval 15%
ARM Action Codes
Subsamples, Dec. 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	
16	DEGREE XTRA	4.04	CS	1.52	LB A/A	3WK	196
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK	
16	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK	
16	AMS		L	3.7	% V/V	3WK	
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	18C	
16	AMS		L	3.7	% V/V	18C	
16	P34B62						

LSD (P=.05) 16.2
Standard Deviation 11.3
CV 5.21

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

NO-TILL CORN ROUNDUP READY VARIETIES

Trial ID: C3041

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:** 04-22-03
Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	AMBTR RAGWEED, GIANT AMBROSIA	TRIFIDA L.
2.	PANDI PANICUM, FALL PANICUM	DICHOTOMIFLORUM (L.) MICHX.

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-10 RR
Planting Date: 04-29-03 **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:** 05-06-03

Crop 2: ZEAMX CORN, FIELD **Variety:** PIONEER P33P34
Planting Date: 04-29-03 **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:** 05-06-03

Crop 3: ZEAMX CORN, FIELD **Variety:** ASGROW RX 718 RR/YG
Planting Date: 04-29-03 **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:** 05-06-03

Crop 4: ZEAMX CORN, FIELD **Variety:** PIONEER P34B62
Planting Date: 04-29-03 **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:** 05-06-03

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

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

NO-TILL CORN ROUNDUP READY VARIETIES

Trial ID: C3041
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
Application Date:	04-10-03	06-10-03
Time of Day:	11:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	3 WK	18C
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	55 F	69 F
% Relative Humidity:	75	69
Wind Velocity, Unit:	6 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	48 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	15

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX 3WK	ZEAMX 18C
Height, Unit:		18 IN
Crop 2 Code, Stage:	ZEAMX 3WK	ZEAMX 18C
Height, Unit:		18 IN
Crop 3 Code, Stage:	ZEAMX 3WK	ZEAMX 18C
Height, Unit:		18 IN
Crop 4 Code, Stage:	ZEAMX 3WK	ZEAMX 18C
Height, Unit:		18 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMBTR 3WK	AMBTR 18C
Density, Unit:	3 IN	8 IN
Weed 2 Code, Stage:	PANDI 3WK	PANDI 18C
Density, Unit:		1 IN

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	ATV	BACKPACK
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	24 IN	38 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

MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	CHEAL	POLPY	SETFA	ZEAMX	ZEAMX
Crop Code	ZEAMX		ZEAMX		ZEAMX	
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	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 Rate	Unit	Grow Stg						
1 DEGREE XTRA	4.04	CS	2.77	LB A/A	3WK	0	73	95	95	95	0
1 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
1 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
1 AMS		L	3.7	% V/V	3WK						
2 DEGREE XTRA	4.04	CS	2.77	LB A/A	3WK	0	93	95	95	95	0
2 BALANCE PRO	4	SC	0.07	LB A/A	3WK						
2 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
2 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
2 AMS		L	3.7	% V/V	3WK						
3 KEYSTONE	5.25	L	3.68	LB A/A	3WK	0	92	95	95	95	0
3 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
3 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
3 AMS		L	3.7	% V/V	3WK						
4 GUARDSMAN MAX	5	E	2.5	LB A/A	3WK	0	84	95	95	95	0
4 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
4 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
4 AMS		L	3.7	% V/V	3WK						
5 BICEP II MAGNUM	5.5	L	2.9	LB A/A	3WK	0	83	95	95	95	0
5 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
5 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
5 AMS		L	3.7	% V/V	3WK						
6 LUMAX	3.94	SE	2.96	LB A/A	3WK	0	88	95	95	95	0
6 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
6 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
6 AMS		L	3.7	% V/V	3WK						
7 EPIC	58	DF	0.47	LB A/A	3WK	0	68	78	72	93	0
7 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
7 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
7 AMS		L	3.7	% V/V	3WK						
8 DEGREE XTRA	4.04	CS	2.77	LB A/A	3WK	0	92	95	95	95	0
8 HORNET	68.5	WG	0.214	LB A/A	3WK						
8 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
8 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
8 AMS		L	3.7	% V/V	3WK						

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

MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	CHEAL	POLPY	SETFA	ZEAMX	ZEAMX
Crop Code	ZEAMX		ZEAMX		ZEAMX	
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	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						
9 HARNESS XTRA	5.6	EC	3.36	LB A/A	3WK	0	33	93	85	93	0
9 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK						
9 WEEDONE LV4	3.8	E	0.5	LB A/A	3WK						
9 AMS		L	3.7	% V/V	3WK						
10 HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	0	82	95	95	95	0
10 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
10 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
10 AMS		L	3.7	% V/V	PRE						
11 HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	0	95	95	95	95	0
11 BALANCE PRO	4	SC	0.07	LB A/A	PRE						
11 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
11 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
11 AMS		L	3.7	% V/V	PRE						
12 HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	0	90	95	92	92	0
12 HORNET	68.5	WG	0.214	LB A/A	PRE						
12 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
12 AMS		L	3.7	% V/V	PRE						
13 KEYSTONE	5.25	L	3.68	LB A/A	PRE	0	94	95	95	95	0
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
13 AMS		L	3.7	% V/V	PRE						
14 GUARDSMAN MAX	5	E	2.5	LB A/A	PRE	0	94	95	95	95	0
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
14 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
14 AMS		L	3.7	% V/V	PRE						
15 BICEP II MAGNUM	5.5	L	2.9	LB A/A	PRE	0	92	95	95	95	0
15 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
15 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
15 AMS		L	3.7	% V/V	PRE						
16 LUMAX	3.94	SE	2.96	LB A/A	PRE	0	93	95	95	95	0
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
16 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
16 AMS		L	3.7	% V/V	PRE						

Dept. of Agronomy, Univ. of Ky
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MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

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

Trt Treatment	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
17 EPIC	58	DF	0.471	LB A/A	PRE	0	88	95	95	95	0
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
17 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
17 AMS		L	3.7	% V/V	PRE						
18 DEGREE XTRA	4.04	CS	2.77	LB A/A	PRE	0	91	95	95	95	0
18 BALANCE PRO	4	SC	0.07	LB A/A	PRE						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE						
18 WEEDONE LV4	3.8	E	0.5	LB A/A	PRE						
18 AMS		L	3.7	% V/V	PRE						
LSD (P=.05)						0.0	16.8	6.9	4.4	2.8	0.0
Standard Deviation						0.0	10.1	4.2	2.6	1.7	0.0
CV						0.0	11.87	4.42	2.81	1.78	0.0

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MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	CHEAL	POLPY	SETFA	ZEAMX
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	P	
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	CHEAL	POLPY	SETFA	ZEAMX
1	DEGREE XTRA	4.04	CS	2.77	LB A/A	3WK	77	95	95	95	166
1	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
1	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
1	AMS		L	3.7	% V/V	3WK					
2	DEGREE XTRA	4.04	CS	2.77	LB A/A	3WK	87	95	95	95	171
2	BALANCE PRO	4	SC	0.07	LB A/A	3WK					
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
2	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
2	AMS		L	3.7	% V/V	3WK					
3	KEYSTONE	5.25	L	3.68	LB A/A	3WK	83	95	95	95	155
3	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
3	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
3	AMS		L	3.7	% V/V	3WK					
4	GUARDSMAN MAX	5	E	2.5	LB A/A	3WK	80	95	95	95	150
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
4	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
4	AMS		L	3.7	% V/V	3WK					
5	BICEP II MAGNUM	5.5	L	2.9	LB A/A	3WK	77	95	95	95	166
5	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
5	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
5	AMS		L	3.7	% V/V	3WK					
6	LUMAX	3.94	SE	2.96	LB A/A	3WK	85	95	95	95	169
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
6	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
6	AMS		L	3.7	% V/V	3WK					
7	EPIC	58	DF	0.47	LB A/A	3WK	73	95	95	95	112
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
7	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
7	AMS		L	3.7	% V/V	3WK					
8	DEGREE XTRA	4.04	CS	2.77	LB A/A	3WK	87	95	95	95	177
8	HORNET	68.5	WG	0.214	LB A/A	3WK					
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
8	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
8	AMS		L	3.7	% V/V	3WK					

Dept. of Agronomy, Univ. of Ky
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MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	AMBTR	CHEAL	POLPY	SETFA	ZEAMX
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU/A
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	15 %
ARM Action Codes	P	P	P	P	
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	CHEAL	POLPY	SETFA	ZEAMX
9	HARNESS XTRA	5.6	EC	3.36	LB A/A	3WK	53	95	95	95	93
9	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3WK					
9	WEEDONE LV4	3.8	E	0.5	LB A/A	3WK					
9	AMS		L	3.7	% V/V	3WK					
10	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE	83	95	95	95	181
10	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
10	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
10	AMS		L	3.7	% V/V	PRE					
11	HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	90	95	95	95	192
11	BALANCE PRO	4	SC	0.07	LB A/A	PRE					
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
11	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
11	AMS		L	3.7	% V/V	PRE					
12	HARNESS XTRA	5.6	EC	2.52	LB A/A	PRE	90	95	95	95	182
12	HORNET	68.5	WG	0.214	LB A/A	PRE					
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
12	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
12	AMS		L	3.7	% V/V	PRE					
13	KEYSTONE	5.25	L	3.68	LB A/A	PRE	90	95	95	95	185
13	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
13	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
13	AMS		L	3.7	% V/V	PRE					
14	GUARDSMAN MAX	5	E	2.5	LB A/A	PRE	90	95	95	95	200
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
14	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
14	AMS		L	3.7	% V/V	PRE					
15	BICEP II MAGNUM	5.5	L	2.9	LB A/A	PRE	90	95	95	95	180
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
15	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
15	AMS		L	3.7	% V/V	PRE					
16	LUMAX	3.94	SE	2.96	LB A/A	PRE	90	95	95	95	191
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	PRE					
16	WEEDONE LV4	3.8	E	0.5	LB A/A	PRE					
16	AMS		L	3.7	% V/V	PRE					

Dept. of Agronomy, Univ. of Ky
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MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code				AMBTR	CHEAL	POLPY	SETFA		
Crop Code									ZEAMX
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL		YIELD
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT		BU/A
Trt-Eval Interval				8 WEEK	8 WEEK	8 WEEK	8 WEEK		15 %
ARM Action Codes				P	P	P	P		
# Subsamples, Dec.				0	0	0	0		0
Trt Treatment	Form	Form	Rate	Grow					
No. Name	Conc	Type	Unit	Stg					
17 EPIC	58	DF	0.471 LB A/A	PRE	90	95	95	95	178
17 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE					
17 WEEDONE LV4	3.8	E	0.5 LB A/A	PRE					
17 AMS		L	3.7 % V/V	PRE					
18 DEGREE XTRA	4.04	CS	2.77 LB A/A	PRE	90	95	95	95	183
18 BALANCE PRO	4	SC	0.07 LB A/A	PRE					
18 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	PRE					
18 WEEDONE LV4	3.8	E	0.5 LB A/A	PRE					
18 AMS		L	3.7 % V/V	PRE					
LSD (P=.05)					8.0	0.0	0.0	0.0	31.5
Standard Deviation					4.8	0.0	0.0	0.0	18.9
CV					5.73	0.0	0.0	0.0	11.22

Dept. of Agronomy, Univ. of Ky
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MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	POLPY SMARTWEED, PENNSYLVANIA	POLYGONUM PENSYLVANICUM L.
4.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 04-24-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 55 F **Soil Moisture:** NORMAL **Emergence Date:** 04-29-03

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 44 FT **Reps:** 3
Site Type: FIELD
Tillage Type: MINIMUM-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:	04-02-03	04-24-03
Time of Day:	10:00	1:00
Application Method:	SPRAY	SPRAY
Application Timing:	3 WK	PRE
Applic. Placement:	BROSOI	BROSOI
Air Temp., Unit:	65 F	55 F
% Relative Humidity:	51	57
Wind Velocity, Unit:	6 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	56 F	56 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20

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MINIMUM-TILL CORN EARLY PREPLANT

Trial ID: C3042
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX 3WK	ZEAMX PRE

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMBTR 3WK	AMBTR PRE
Density, Unit:		2 IN
Weed 2 Code, Stage:	CHEAL 3WK	CHEAL PRE
Density, Unit:		2 IN
Weed 3 Code, Stage:	POLPY 3WK	POLPY PRE
Density, Unit:		2 IN
Weed 4 Code, Stage:	SETFA 3WK	SETFA PRE
Density, Unit:		2 IN

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	ATV	ATV
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:	10 FT	10 FT
Boom Height, Unit:	24 IN	24 IN
Ground Speed, Unit:	4 MPH	4 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

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Weed Science Field Research

CORN PREEMERGENCE V

Trial ID: C3050
Location: LEXINGTON, KY

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

Weed Code	SETFA	CHEAL	AMACH	ZEAMX
Crop Code	ZEAMX			ZEAMX
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	05-15-03	05-15-03	05-15-03	05-15-03
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg					
1 CHECK UNTREATED						0	0	0	0	0
2 KIH-485	3.57	SC	0.112	LB	A/A PRE	0	99	90	95	0
3 KIH-485	3.57	SC	0.148	LB	A/A PRE	0	99	98	98	0
4 KIH-485	3.57	SC	0.22	LB	A/A PRE	0	99	95	97	0
5 KIH-485	3.57	SC	0.446	LB	A/A PRE	7	100	100	100	3
6 DUAL II MAGNUM	7.64	EC	0.955	LB	A/A PRE	0	99	86	96	0
7 DUAL II MAGNUM	7.64	EC	1.27	LB	A/A PRE	0	100	93	97	0
8 DUAL II MAGNUM	7.64	EC	1.91	LB	A/A PRE	0	100	96	98	0
9 KIH-485	3.57	SC	0.119	LB	A/A PRE	0	100	99	99	0
9 AATREX	4	F	1.24	LB	A/A PRE					
10 BICEP II MAGNUM	5.5	L	2.19	LB	A/A PRE	0	99	97	98	0
11 KIH-485	3.57	SC	0.148	LB	A/A PRE	0	99	97	99	0
11 AATREX	4	F	1.62	LB	A/A PRE					
12 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	100	99	100	0
LSD (P=.05)						5.6	1.4	7.8	4.0	2.8
Standard Deviation						3.3	0.9	4.6	2.4	1.7
CV						600.0	0.94	5.28	2.64	600.0

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CORN PREEMERGENCE V

Trial ID: C3050
Location: LEXINGTON, KY

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

Weed Code	SETFA	CHEAL	AMACH	ZEAMX	SETFA
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	05-30-03	05-30-03	05-30-03	06-30-03	06-30-03
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	SETFA	CHEAL	AMACH	ZEAMX	SETFA
1 CHECK UNTREATED						0	0	0	0	0
2 KIH-485	3.57	SC	0.112	LB A/A PRE		95	80	85	0	88
3 KIH-485	3.57	SC	0.148	LB A/A PRE		95	83	87	0	92
4 KIH-485	3.57	SC	0.22	LB A/A PRE		100	99	100	0	99
5 KIH-485	3.57	SC	0.446	LB A/A PRE		100	99	100	3	100
6 DUAL II MAGNUM	7.64	EC	0.955	LB A/A PRE		98	75	93	0	94
7 DUAL II MAGNUM	7.64	EC	1.27	LB A/A PRE		98	80	93	0	97
8 DUAL II MAGNUM	7.64	EC	1.91	LB A/A PRE		100	77	92	0	99
9 KIH-485	3.57	SC	0.119	LB A/A PRE		100	100	100	0	99
9 AATREX	4	F	1.24	LB A/A PRE						
10 BICEP II MAGNUM	5.5	L	2.19	LB A/A PRE		100	100	100	0	99
11 KIH-485	3.57	SC	0.148	LB A/A PRE		100	100	100	0	99
11 AATREX	4	F	1.62	LB A/A PRE						
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A PRE		100	100	100	0	100
LSD (P=.05)						2.9	12.3	4.5	2.8	4.9
Standard Deviation						1.7	7.3	2.6	1.7	2.9
CV						1.88	8.76	3.03	600.0	3.29

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

CORN PREEMERGENCE V

Trial ID: C3050
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-30-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-30-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 65 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-07-03

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

Overall Moisture Conditions: NORMAL

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

APPLICATION DESCRIPTION

A

Application Date: 04-30-03
Time of Day: 10:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 70 F
% Relative Humidity: 75
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 65 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

CORN PREEMERGENCE V

Trial ID: C3050
Location: LEXINGTON, KY

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

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: AMACH 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: 20 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 VI

Trial ID: C3051
Location: LEXINGTON, KY

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

Weed Code	ZEAMX		SETFA	ABUTH	ZEAMX		SETFA
Crop Code	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	05-15-03	05-15-03	05-15-03	05-30-03	05-30-03	05-30-03	05-30-03
Rating Date	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
Trt-Eval Interval	P	P	P	P	P	P	P
ARM Action Codes	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	ABUTH CONTROL PERCENT	ZEAMX INJURY PERCENT	SETFA CONTROL PERCENT
1	CHECK UNTREATED						0	0	0	0	0
2	KIH-485	3.57	SC	0.112	LB A/A	PRE	0	99	83	0	100
3	KIH-485	3.57	SC	0.186	LB A/A	PRE	0	99	83	0	99
4	KIH-485	3.57	SC	0.22	LB A/A	PRE	0	99	93	0	100
5	KIH-485	3.57	SC	0.446	LB A/A	PRE	17	100	97	8	100
6	DUAL II MAGNUM	7.64	EC	0.955	LB A/A	PRE	0	99	60	0	99
7	DUAL II MAGNUM	7.64	EC	1.59	LB A/A	PRE	0	99	57	0	99
8	DUAL II MAGNUM	7.64	EC	1.91	LB A/A	PRE	0	99	68	0	100
9	DUAL II MAGNUM	7.64	EC	3.82	LB A/A	PRE	0	99	77	0	99
10	KIH-485	3.57	SC	0.148	LB A/A	PRE	0	100	95	0	100
10	AATREX	4	F	1.62	LB A/A	PRE					
11	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	100	97	0	100
LSD (P=.05)							3.0	1.5	25.2	1.5	1.2
Standard Deviation							1.7	0.9	14.8	0.9	0.7
CV							114.89	0.97	20.05	114.89	0.77

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

CORN PREEMERGENCE VI

Trial ID: C3051
Location: LEXINGTON, KY

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

Weed Code	ABUTH		SETFA
Crop Code		ZEAMX	
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date	05-30-03	06-26-03	06-26-03
Trt-Eval Interval	4 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	ABUTH	ZEAMX	SETFA
1	CHECK UNTREATED						0	0	0
2	KIH-485	3.57	SC	0.112	LB A/A	PRE	85	0	98
3	KIH-485	3.57	SC	0.186	LB A/A	PRE	89	0	99
4	KIH-485	3.57	SC	0.22	LB A/A	PRE	93	0	100
5	KIH-485	3.57	SC	0.446	LB A/A	PRE	98	10	100
6	DUAL II MAGNUM	7.64	EC	0.955	LB A/A	PRE	50	0	94
7	DUAL II MAGNUM	7.64	EC	1.59	LB A/A	PRE	53	0	97
8	DUAL II MAGNUM	7.64	EC	1.91	LB A/A	PRE	67	0	99
9	DUAL II MAGNUM	7.64	EC	3.82	LB A/A	PRE	77	0	99
10	KIH-485	3.57	SC	0.148	LB A/A	PRE	98	0	98
10	AATREX	4	F	1.62	LB A/A	PRE			
11	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	93	0	100
LSD (P=.05)							23.5	0.0	4.0
Standard Deviation							13.8	0.0	2.3
CV							18.91	0.0	2.62

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

CORN PREEMERGENCE VI

Trial ID: C3051
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-30-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 33G28
Planting Date: 04-30-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 65 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-07-03

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

Overall Moisture Conditions: NORMAL

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

APPLICATION DESCRIPTION**A**

Application Date: 04-30-03
Time of Day: 11:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSIOI
Air Temp., Unit: 70 F
% Relative Humidity: 75
Wind Velocity, Unit: 4 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 65 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

CORN PREEMERGENCE VI

Trial ID: C3051
Location: LEXINGTON, KY

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

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: ABUTH 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: 10 FT
Boom Height, Unit: 20 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 VIII

MULTI STATE

Trial ID: C3052

Location: LEXINGTON, KY.

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

Weed Code	AMBTR		ZEAMX		AMBTR		AMBTR		ZEAMX	
Crop Code										
Rating Data Type	NUM		INJURY		CONTROL		NUM		INJURY	
Rating Unit			PERCENT		PERCENT				PERCENT	
Rating Date	05-30-03		05-30-03		05-30-03		06-16-03		06-16-03	
Trt-Eval Interval	30 DA-A		30 DA-A		30 DA-A		45 DA-A		45 DA-A	
ARM Action Codes	P		P		P				P	
# Subsamples, Dec.	0		0		0		0		0	
Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow	Stg				
1 CALLISTO	4 SE		0 LB	A/A PRE		37	0	0	38	0
1 ATRAZINE	4 F		0 LB	A/A PRE						
2 CALLISTO	4 SE		0 LB	A/A PRE		36	0	28	36	0
2 ATRAZINE	4 F		0.25 LB	A/A PRE						
3 CALLISTO	4 SE		0 LB	A/A PRE		23	0	40	24	0
3 ATRAZINE	4 F		0.5 LB	A/A PRE						
4 CALLISTO	4 SE		0 LB	A/A PRE		10	0	70	11	0
4 ATRAZINE	4 F		1 LB	A/A PRE						
5 CALLISTO	4 SE		0 LB	A/A PRE		10	0	79	10	0
5 ATRAZINE	4 F		1.5 LB	A/A PRE						
6 CALLISTO	4 SE		0.047 LB	A/A PRE		30	0	25	32	0
6 ATRAZINE	4 F		0 LB	A/A PRE						
7 CALLISTO	4 SE		0.047 LB	A/A PRE		20	0	50	20	0
7 ATRAZINE	4 F		0.25 LB	A/A PRE						
8 CALLISTO	4 SE		0.047 LB	A/A PRE		12	0	69	13	0
8 ATRAZINE	4 F		0.5 LB	A/A PRE						
9 CALLISTO	4 SE		0.047 LB	A/A PRE		8	0	78	9	0
9 ATRAZINE	4 F		1 LB	A/A PRE						
10 CALLISTO	4 SE		0.047 LB	A/A PRE		4	0	88	5	0
10 ATRAZINE	4 F		1.5 LB	A/A PRE						
11 CALLISTO	4 SE		0.094 LB	A/A PRE		19	0	59	19	0
11 ATRAZINE	4 F		0 LB	A/A PRE						
12 CALLISTO	4 SE		0.094 LB	A/A PRE		9	0	73	10	0
12 ATRAZINE	4 F		0.25 LB	A/A PRE						
13 CALLISTO	4 SE		0.094 LB	A/A PRE		8	0	81	8	0
13 ATRAZINE	4 F		0.5 LB	A/A PRE						
14 CALLISTO	4 SE		0.094 LB	A/A PRE		4	0	90	5	0
14 ATRAZINE	4 F		1 LB	A/A PRE						

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

CORN PREEMERGENCE VIII

MULTI STATE

Trial ID: C3052

Location: LEXINGTON, KY.

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

Weed Code	AMBTR		ZEAMX		AMBTR		AMBTR		ZEAMX	
Crop Code	NUM		INJURY		CONTROL		NUM		INJURY	
Rating Data Type	PERCENT		PERCENT		PERCENT		PERCENT		PERCENT	
Rating Unit	05-30-03		05-30-03		05-30-03		06-16-03		06-16-03	
Rating Date	30 DA-A		30 DA-A		30 DA-A		45 DA-A		45 DA-A	
Trt-Eval Interval	P		P		P		P		P	
ARM Action Codes	0		0		0		0		0	
# Subsamples, Dec.										
Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow	Stg				
15 CALLISTO	4 SE		0.094 LB	A/A PRE	4	0	92	5	0	
15 ATRAZINE	4 F		1.5 LB	A/A PRE						
16 CALLISTO	4 SE		0.141 LB	A/A PRE	13	0	73	13	0	
16 ATRAZINE	4 F		0 LB	A/A PRE						
17 CALLISTO	4 SE		0.141 LB	A/A PRE	9	0	74	10	0	
17 ATRAZINE	4 F		0.25 LB	A/A PRE						
18 CALLISTO	4 SE		0.141 LB	A/A PRE	6	0	84	6	0	
18 ATRAZINE	4 F		0.5 LB	A/A PRE						
19 CALLISTO	4 SE		0.141 LB	A/A PRE	5	0	93	5	0	
19 ATRAZINE	4 F		1 LB	A/A PRE						
20 CALLISTO	4 SE		0.141 LB	A/A PRE	3	0	95	3	0	
20 ATRAZINE	4 F		1.5 LB	A/A PRE						
21 CALLISTO	4 SE		0.188 LB	A/A PRE	11	0	71	11	0	
21 ATRAZINE	4 F		0 LB	A/A PRE						
22 CALLISTO	4 SE		0.188 LB	A/A PRE	9	0	81	8	0	
22 ATRAZINE	4 F		0.25 LB	A/A PRE						
23 CALLISTO	4 SE		0.188 LB	A/A PRE	4	0	91	5	0	
23 ATRAZINE	4 F		0.5 LB	A/A PRE						
24 CALLISTO	4 SE		0.188 LB	A/A PRE	4	0	92	4	0	
24 ATRAZINE	4 F		1 LB	A/A PRE						
25 CALLISTO	4 SE		0.188 LB	A/A PRE	3	0	93	4	0	
25 ATRAZINE	4 F		1.5 LB	A/A PRE						
26 CHECK WEED FREE					0	25	100	0	25	
LSD (P=.05)					7.3	13.9	15.3	7.3	13.9	
Standard Deviation					5.2	9.8	10.8	5.2	9.8	
CV					44.63	1019.8	15.09	43.19	1019.8	

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

CORN PREEMERGENCE VIII

MULTI STATE

Trial ID: C3052

Location: LEXINGTON, KY.

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

Weed Code		AMBTR	AMBTR		AMBTR	YIELD
Crop Code				ZEAMX		ZEAMX
Rating Data Type		CONTROL	NUM	INJURY	CONTROL	YIELD
Rating Unit		PERCENT		PERCENT	PERCENT	LB/PLOT
Rating Date		06-16-03	06-30-03	06-30-03	06-30-03	
Trt-Eval Interval		45 DA-A	60 DA-A	60 DA-A	60 DA-A	
ARM Action Codes		P		P	P	
# Subsamples, Dec.		0	0	0	0	
Trt Treatment	Form Form	Rate	Grow			
No. Name	Conc Type Rate	Unit	Stg			
1 CALLISTO	4 SE	0 LB A/A	PRE	0	38	0
1 ATRAZINE	4 F	0 LB A/A	PRE			0.00
2 CALLISTO	4 SE	0 LB A/A	PRE	15	36	0
2 ATRAZINE	4 F	0.25 LB A/A	PRE			8
3 CALLISTO	4 SE	0 LB A/A	PRE	25	24	0
3 ATRAZINE	4 F	0.5 LB A/A	PRE			16
4 CALLISTO	4 SE	0 LB A/A	PRE	60	11	0
4 ATRAZINE	4 F	1 LB A/A	PRE			53
5 CALLISTO	4 SE	0 LB A/A	PRE	71	10	0
5 ATRAZINE	4 F	1.5 LB A/A	PRE			65
6 CALLISTO	4 SE	0.047 LB A/A	PRE	8	32	0
6 ATRAZINE	4 F	0 LB A/A	PRE			4
7 CALLISTO	4 SE	0.047 LB A/A	PRE	30	20	0
7 ATRAZINE	4 F	0.25 LB A/A	PRE			11
8 CALLISTO	4 SE	0.047 LB A/A	PRE	53	13	0
8 ATRAZINE	4 F	0.5 LB A/A	PRE			43
9 CALLISTO	4 SE	0.047 LB A/A	PRE	73	9	0
9 ATRAZINE	4 F	1 LB A/A	PRE			69
10 CALLISTO	4 SE	0.047 LB A/A	PRE	81	5	0
10 ATRAZINE	4 F	1.5 LB A/A	PRE			81
11 CALLISTO	4 SE	0.094 LB A/A	PRE	39	19	0
11 ATRAZINE	4 F	0 LB A/A	PRE			30
12 CALLISTO	4 SE	0.094 LB A/A	PRE	55	10	0
12 ATRAZINE	4 F	0.25 LB A/A	PRE			45
13 CALLISTO	4 SE	0.094 LB A/A	PRE	74	8	0
13 ATRAZINE	4 F	0.5 LB A/A	PRE			65
14 CALLISTO	4 SE	0.094 LB A/A	PRE	88	5	0
14 ATRAZINE	4 F	1 LB A/A	PRE			88

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

CORN PREEMERGENCE VIII
MULTI STATE

Trial ID: C3052
Location: LEXINGTON, KY.

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

Weed Code	AMBTR		AMBTR		ZEAMX		AMBTR		YIELD
Crop Code	CONTROL		NUM		INJURY		CONTROL		YIELD
Rating Data Type	PERCENT		PERCENT		PERCENT		PERCENT		LB/PLOT
Rating Unit	06-16-03		06-30-03		06-30-03		06-30-03		
Rating Date	45 DA-A		60 DA-A		60 DA-A		60 DA-A		
Trt-Eval Interval	P		P		P		P		
ARM Action Codes	0		0		0		0		
# Subsamples, Dec.									
Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow	Stg			
15 CALLISTO	4 SE		0.094 LB	A/A PRE	89	5	0	88	27.90
15 ATRAZINE	4 F		1.5 LB	A/A PRE					
16 CALLISTO	4 SE		0.141 LB	A/A PRE	61	13	0	58	10.25
16 ATRAZINE	4 F		0 LB	A/A PRE					
17 CALLISTO	4 SE		0.141 LB	A/A PRE	65	10	0	65	11.60
17 ATRAZINE	4 F		0.25 LB	A/A PRE					
18 CALLISTO	4 SE		0.141 LB	A/A PRE	79	6	0	79	23.08
18 ATRAZINE	4 F		0.5 LB	A/A PRE					
19 CALLISTO	4 SE		0.141 LB	A/A PRE	90	5	0	90	28.10
19 ATRAZINE	4 F		1 LB	A/A PRE					
20 CALLISTO	4 SE		0.141 LB	A/A PRE	93	3	0	93	34.90
20 ATRAZINE	4 F		1.5 LB	A/A PRE					
21 CALLISTO	4 SE		0.188 LB	A/A PRE	55	11	0	55	9.43
21 ATRAZINE	4 F		0 LB	A/A PRE					
22 CALLISTO	4 SE		0.188 LB	A/A PRE	73	8	0	73	19.58
22 ATRAZINE	4 F		0.25 LB	A/A PRE					
23 CALLISTO	4 SE		0.188 LB	A/A PRE	86	5	0	86	25.72
23 ATRAZINE	4 F		0.5 LB	A/A PRE					
24 CALLISTO	4 SE		0.188 LB	A/A PRE	88	4	0	88	28.07
24 ATRAZINE	4 F		1 LB	A/A PRE					
25 CALLISTO	4 SE		0.188 LB	A/A PRE	91	4	0	91	27.13
25 ATRAZINE	4 F		1.5 LB	A/A PRE					
26 CHECK WEED FREE					100	0	25	100	34.65
LSD (P=.05)					17.9	7.3	13.9	16.4	6.034
Standard Deviation					12.6	5.2	9.8	11.6	4.267
CV					20.04	43.11	1019.8	19.52	27.51

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

CORN PREEMERGENCE VIII
MULTI STATE

Trial ID: C3052

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
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

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: ZEAMX CORN, FIELD **Variety:** DEKALB DKC 64-11 RR
Planting Date: 04-30-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 65 F **Soil Moisture:** NORMAL **Emergence Date:** 05-09-03

SITE AND DESIGN

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

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 **Unit:** MI

APPLICATION DESCRIPTION

A

Application Date: 04-30-03
Time of Day: 2:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSIOI
Air Temp., Unit: 70 F
% Relative Humidity: 78
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 64 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

CORN PREEMERGENCE VIII
MULTI STATE

Trial ID: C3052

Location: LEXINGTON, KY.

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

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: AMBTR 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:	10 FT
Boom Height, Unit:	20 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 VII

Trial ID: C3053
Location: LEXINGTON, KY

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

Weed Code	SETFA	CHEAL	AMACH	ZEAMX
Crop Code	ZEAMX			ZEAMX
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	05-15-03	05-15-03	05-15-03	05-15-03
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P	P
# Subsamples, Dec.	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg					
1 CHECK UNTREATED						0	0	0	0	0
2 KIH-485	3.57	SC	0.112	LB	A/A PRE	0	99	90	95	0
3 KIH-485	3.57	SC	0.148	LB	A/A PRE	0	99	96	97	0
4 KIH-485	3.57	SC	0.22	LB	A/A PRE	0	100	97	100	0
5 KIH-485	3.57	SC	0.446	LB	A/A PRE	7	100	100	100	7
6 DUAL II MAGNUM	7.64	EC	0.955	LB	A/A PRE	0	98	90	96	0
7 DUAL II MAGNUM	7.64	EC	1.27	LB	A/A PRE	0	99	85	93	0
8 DUAL II MAGNUM	7.64	EC	1.91	LB	A/A PRE	0	100	93	97	0
9 KIH-485	3.57	SC	0.119	LB	A/A PRE	0	100	99	99	0
9 AATREX	4	F	1.24	LB	A/A PRE					
10 BICEP II MAGNUM	5.5	L	2.19	LB	A/A PRE	0	100	99	99	0
11 KIH-485	3.57	SC	0.148	LB	A/A PRE	0	100	99	99	0
11 AATREX	4	F	1.62	LB	A/A PRE					
12 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE	0	100	100	100	0
LSD (P=.05)						5.6	1.0	5.4	2.3	5.6
Standard Deviation						3.3	0.6	3.2	1.4	3.3
CV						600.0	0.65	3.62	1.54	600.0

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

CORN PREEMERGENCE VII

Trial ID: C3053
Location: LEXINGTON, KY

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

Weed Code	SETFA	CHEAL	AMACH	ZEAMX	SETFA
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	05-30-03	05-30-03	05-30-03	05-26-03	05-26-03
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	SETFA	CHEAL	AMACH	ZEAMX	SETFA
1 CHECK UNTREATED						0	0	0	0	0
2 KIH-485	3.57	SC	0.112	LB A/A PRE		99	80	95	0	93
3 KIH-485	3.57	SC	0.148	LB A/A PRE		99	90	97	0	97
4 KIH-485	3.57	SC	0.22	LB A/A PRE		100	90	100	0	99
5 KIH-485	3.57	SC	0.446	LB A/A PRE		100	100	100	5	99
6 DUAL II MAGNUM	7.64	EC	0.955	LB A/A PRE		98	75	96	0	93
7 DUAL II MAGNUM	7.64	EC	1.27	LB A/A PRE		99	70	92	0	95
8 DUAL II MAGNUM	7.64	EC	1.91	LB A/A PRE		100	83	95	0	99
9 KIH-485	3.57	SC	0.119	LB A/A PRE		100	99	99	0	98
9 AATREX	4	F	1.24	LB A/A PRE						
10 BICEP II MAGNUM	5.5	L	2.19	LB A/A PRE		100	99	99	0	98
11 KIH-485	3.57	SC	0.148	LB A/A PRE		100	100	100	0	97
11 AATREX	4	F	1.62	LB A/A PRE						
12 BICEP II MAGNUM	5.5	L	2.89	LB A/A PRE		100	100	100	0	100
LSD (P=.05)						1.0	10.6	2.1	4.2	3.6
Standard Deviation						0.6	6.3	1.2	2.5	2.1
CV						0.65	7.62	1.38	600.0	2.39

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

CORN PREEMERGENCE VII

Trial ID: C3053
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-30-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362 IT
Planting Date: 04-30-03 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 65 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-07-03

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

Overall Moisture Conditions: NORMAL

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

APPLICATION DESCRIPTION

A

Application Date: 04-30-03
Time of Day: 1:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 70 F
% Relative Humidity: 75
Wind Velocity, Unit: 4 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 65 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

CORN PREEMERGENCE VII

Trial ID: C3053
Location: LEXINGTON, KY

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

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: AMACH 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: 20 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

SOYBEAN POSTEMERGENCE MARESTAIL

Trial ID: S3010
Location: LEXINGTON, KY

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

Weed Code	ERICA	ERICA	ERICA
Rating Data Type	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL
Rating Date	07-08-03	07-18-03	07-25-03
Trt-Eval Interval	1 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	ERICA 1	ERICA 2	ERICA 3
1	ROUNDUP WeatherMAX	5.5	SL	22 OZ/A		PRE	60	80	99
1	AMS		L	3.7 %	V/V	PRE			
2	ROUNDUP WeatherMAX	5.5	SL	22 OZ/A		PRE	60	82	98
2	AMS		L	3.7 %	V/V	PRE			
2	ROUNDUP WeatherMAX	5.5	SL	22 OZ/A		POS			
2	AMS		L	3.7 %	V/V	POS			
3	ROUNDUP WeatherMAX	5.5	SL	44 OZ/A		PRE	60	98	98
3	AMS		L	3.7 %	V/V	PRE			
4	ROUNDUP WeatherMAX	5.5	SL	128 OZ/A		PRE	70	98	99
4	AMS		L	3.7 %	V/V	PRE			
5	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	50	83	95
5	AMS		L	3.7 %	V/V	PRE			
6	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	50	83	98
6	AMS		L	3.7 %	V/V	PRE			
6	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	POS			
6	AMS		L	3.7 %	V/V	POS			
7	ROUNDUP ULTRAMAX	5	SL	2 LB	A/A	PRE	60	98	99
7	AMS		L	3.7 %	V/V	PRE			
8	TOUCHDOWN IQ	4	SL	1 LB	A/A	PRE	50	82	96
8	AMS		L	3.7 %	V/V	PRE			
9	TOUCHDOWN IQ	4	SL	1 LB	A/A	PRE	47	88	98
9	AMS		L	3.7 %	V/V	PRE			
9	TOUCHDOWN IQ	4	SL	1 LB	A/A	POS			
9	AMS		L	3.7 %	V/V	POS			
10	TOUCHDOWN IQ	4	SL	2 LB	A/A	PRE	53	98	99
10	AMS		L	3.7 %	V/V	PRE			
11	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A		PRE	50	88	99
11	AMS		L	3.7 %	V/V	PRE			
12	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A		PRE	60	95	98
12	AMS		L	3.7 %	V/V	PRE			
12	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A		POS			
12	AMS		L	3.7 %	V/V	PSO			

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE MARESTAIL

Trial ID: S3010
Location: LEXINGTON, KY

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

Weed Code	ERICA	ERICA	ERICA
Rating Data Type	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL
Rating Date	07-08-03	07-18-03	07-25-03
Trt-Eval Interval	1 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg			
13 TOUCHDOWN TOTAL	4.17	SL	48 OZ/A		PRE	60	98	99
13 AMS		L	3.7 % V/V		PRE			
14 HONCHO	4	SL	1 LB A/A		PRE	60	91	99
14 ACTIVATOR 90		L	0.25 % V/V		PRE			
14 AMS		L	3.7 % V/V		PRE			
15 HONCHO	4	SL	1 LB A/A		PRE	57	90	99
15 ACTIVATOR 90		L	0.5 % V/V		PRE			
15 AMS		L	3.7 % V/V		PRE			
16 HONCHO	4	SL	1 LB A/A		PRE	57	92	98
16 ACTIVATOR 90		L	0.5 % V/V		PRE			
16 AMS		L	3.7 % V/V		PRE			
16 HONCHO	4	SL	1 LB A/A		POS			
16 ACTIVATOR 90		L	0.5 % V/V		PRE			
16 AMS		L	3.7 % V/V		POS			
17 HONCHO	4	SL	2 LB A/A		PRE	67	97	99
17 ACTIVATOR 90		L	0.25 % V/V		PRE			
17 AMS		L	3.7 % V/V		PRE			
18 HONCHO	4	SL	2 LB A/A		PRE	65	94	99
18 ACTIVATOR 90		L	0.5 % V/V		PRE			
18 AMS		L	3.7 % V/V		PRE			
19 CLEAROUT 41 PLUS	4	SL	1 LB A/A		PRE	63	81	96
19 AMS		L	3.7 % V/V		PRE			
20 CLEAROUT 41 PLUS	4	SL	1 LB A/A		PRE	50	80	98
20 AMS		L	3.7 % V/V		PRE			
20 CLEAROUT 41 PLUS	4	SL	1 LB A/A		PRE			
20 AMS		L	3.7 % V/V		PRE			
21 CLEAROUT 41 PLUS	4	SL	2 LB A/A		PRE	63	90	97
21 AMS		L	3.7 % V/V		PRE			
22 GRAMOXONE MAX	3	AS	2 PT/A		PRE	84	75	72
22 COC		L	1 QT/A		PRE			
22 ROUNDUP WeatherMAX	5.5	SL	22 OZ/A		POS			
22 AMS		L	3.7 % V/V		POS			

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE MARESTAIL

Trial ID: S3010
Location: LEXINGTON, KY

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

Weed Code	ERICA	ERICA	ERICA
Rating Data Type	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL
Rating Date	07-08-03	07-18-03	07-25-03
Trt-Eval Interval	1 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	ERICA 1	ERICA 2	ERICA 3
23	GRAMOXONE MAX	3	AS	2.7	PT/A	PRE	83	88	88
23	COC		L	1	QT/A	PRE			
23	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
23	AMS		L	3.7	% V/V	POS			
24	GRAMOXONE MAX	3	AS	2	PT/A	PRE	85	87	90
24	CANOPY XL	56.3	DF	5	OZ/A	PRE			
24	COC		L	1	QT/A	PRE			
25	GRAMOXONE MAX	3	AS	2	PT/A	PRE	80	82	88
25	CANOPY XL	56.3	DF	5	OZ/A	PRE			
25	COC		L	1	QT/A	PRE			
25	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
25	AMS		L	3.7	% V/V	POS			
26	ROUNDUP WeatherMAX	5.5	SL	16	OZ/A	PRE	45	70	96
26	AMS		L	3.7	% V/V	PRE			
26	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
26	AMS		L	3.7	% V/V	POS			
27	ROUNDUP WeatherMAX	5.5	SL	16	OZ/A	PRE	70	90	98
27	AMPLIFY	84	W	0.016	LB A/A	PRE			
27	AMS		L	3.7	% V/V	PRE			
27	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
27	AMS		L	3.7	% V/V	POS			
28	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	PRE	67	92	99
28	AMS		L	3.7	% V/V	PRE			
28	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
28	AMPLIFY	84	W	0.016	LB A/A	PSO			
28	AMS		L	3.7	% V/V	POS			
29	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	PRE	67	85	98
29	CLASSIC	25	DF	0.33	OZ/A	PRE			
29	AMS		L	3.7	% V/V	PRE			
29	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
29	AMS		L	3.7	% V/V	POS			
30	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	PRE	63	87	97
30	AMS		L	3.7	% V/V	PRE			
30	ROUNDUP WeatherMAX	5.5	SL	22	OZ/A	POS			
30	CLASSIC	25	DF	0.33	OZ/A	POS			
30	AMS		L	3.7	% V/V	POS			

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE MARESTAIL

Trial ID: S3010
Location: LEXINGTON, KY

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

Weed Code	ERICA	ERICA	ERICA
Rating Data Type	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL
Rating Date	07-08-03	07-18-03	07-25-03
Trt-Eval Interval	1 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P
# Subsamples, Dec.	0	0	0

Trt Treatment	Form	Form	Rate	Grow	
No. Name	Conc	Type	Unit	Stg	
LSD (P=.05)			19.2	10.1	4.8
Standard Deviation			11.8	6.2	2.9
CV			19.01	7.03	3.06

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SOYBEAN POSTEMERGENCE MARESTAIL

Trial ID: S3010
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code Common Name Scientific Name
1. ERICA HORSEWEED CONYZA CANADENSIS

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 07-01-03 **Planting Method:** DRILLED
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** ROUGH/TRASHY
Soil Temperature: 75 F **Soil Moisture:** NORMAL **Emergence Date:** 07-09-03

SITE AND DESIGN

Plot Width, Unit: 6.66 FT **Plot Length, Unit:** 33 FT **Reps:** 3
Site Type: FIELD
Tillage Type: NO-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

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

Application Date: 07-02-03
Time of Day: 3:00
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROFOL
Air Temp., Unit: 72 F
% Relative Humidity: 77
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 74 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

SOYBEAN POSTEMERGENCE MARESTAIL

Trial ID: S3010
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: GLXMA PRE

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: ERICA PRE

Density, Unit: 12 IN

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: 6.66 FT
Boom Height, Unit: 28 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

SOYBEAN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: S3012
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	POLPY	SETFA	AMBTR
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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	CHEAL	POLPY	SETFA	AMBTR
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A LP	LP	100	99	50	75	100	99
1	AMS		L	3.7 % V/V	LP						
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A LLP	LLP	100	99	99	78	100	99
2	AMS		L	3.7 % V/V	LLP						
3	ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A LP	LP	100	99	80	88	100	99
3	AMS		L	3.7 % V/V	LP						
4	ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A LLP	LLP	100	98	97	68	100	98
4	AMS		L	3.7 % V/V	LLP						
5	TOUCHDOWN IQ	4	SL	32 FL OZ/A LP	LP	100	99	68	77	100	99
5	AMS		L	3.7 % V/V	LP						
6	TOUCHDOWN IQ	4	SL	32 FL OZ/A LLP	LLP	100	99	98	73	100	99
6	AMS		L	3.7 % V/V	LLP						
7	TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A LP	LP	100	99	53	80	100	99
7	AMS		L	3.7 % V/V	LP						
8	TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A LLP	LLP	100	99	99	82	100	99
8	AMS		L	3.7 % V/V	LLP						
9	HONCHO	4	SL	32 FL OZ/A LP	LP	100	99	97	93	100	99
9	ACTIVATOR 90		L	0.5 % V/V	LP						
9	AMS		L	3.7 % V/V	LP						
10	HONCHO	4	SL	32 FL OZ/A LLP	LLP	100	99	99	52	100	99
10	ACTIVATOR 90		L	0.5 % V/V	LLP						
10	AMS		L	3.7 % V/V	LLP						
11	GLYPHOMAX PLUS	4	SL	32 FL OZ/A LP	LP	100	99	30	87	100	99
11	AMS		L	3.7 % V/V	LP						
12	GLYPHOMAX PLUS	4	SL	32 FL OZ/A LLP	LLP	100	99	96	73	100	99
12	AMS		L	3.7 % V/V	LLP						
13	CLEAROUT 41 PLUS	4	SL	32 FL OZ/A LP	LP	100	99	55	77	100	99
13	AMS		L	3.7 % V/V	LP						
14	CLEAROUT 41 PLUS	4	SL	32 FL OZ/A LLP	LLP	100	99	93	53	100	99
14	AMS		L	3.7 % V/V	LLP						
15	CHECK UNTREATED					0	0	0	0	0	0

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

SOYBEAN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: S3012
Location: LEXINGTON, KY

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

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

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate Unit	Stg		
16 CHECK UNTREATED					0	0
LSD (P=.05)					0.0	1.1
Standard Deviation					0.0	0.7
CV					0.0	0.77

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

SOYBEAN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: S3012
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	CHEAL	POLPY
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A LP	LP	30	83
1	AMS		L	3.7 % V/V LP	LP		
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A LLP	LLP	96	90
2	AMS		L	3.7 % V/V LLP	LLP		
3	ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A LP	LP	63	93
3	AMS		L	3.7 % V/V LP	LP		
4	ROUNDUP ULTRAMAX	5	SL	28 FL OZ/A LLP	LLP	93	90
4	AMS		L	3.7 % V/V LLP	LLP		
5	TOUCHDOWN IQ	4	SL	32 FL OZ/A LP	LP	48	88
5	AMS		L	3.7 % V/V LP	LP		
6	TOUCHDOWN IQ	4	SL	32 FL OZ/A LLP	LLP	95	78
6	AMS		L	3.7 % V/V LLP	LLP		
7	TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A LP	LP	27	87
7	AMS		L	3.7 % V/V LP	LP		
8	TOUCHDOWN TOTAL	4.17	SL	24 FL OZ/A LLP	LLP	97	90
8	AMS		L	3.7 % V/V LLP	LLP		
9	HONCHO	4	SL	32 FL OZ/A LP	LP	93	96
9	ACTIVATOR 90		L	0.5 % V/V LP	LP		
9	AMS		L	3.7 % V/V LP	LP		
10	HONCHO	4	SL	32 FL OZ/A LLP	LLP	96	73
10	ACTIVATOR 90		L	0.5 % V/V LLP	LLP		
10	AMS		L	3.7 % V/V LLP	LLP		
11	GLYPHOMAX PLUS	4	SL	32 FL OZ/A LP	LP	13	87
11	AMS		L	3.7 % V/V LP	LP		
12	GLYPHOMAX PLUS	4	SL	32 FL OZ/A LLP	LLP	90	82
12	AMS		L	3.7 % V/V LLP	LLP		
13	CLEAROUT 41 PLUS	4	SL	32 FL OZ/A LP	LP	32	87
13	AMS		L	3.7 % V/V LP	LP		
14	CLEAROUT 41 PLUS	4	SL	32 FL OZ/A LLP	LLP	88	70
14	AMS		L	3.7 % V/V LLP	LLP		
15	CHECK UNTREATED					0	0

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

SOYBEAN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: S3012
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg		
16 CHECK UNTREATED						0	0
LSD (P=.05)						18.5	14.0
Standard Deviation						11.1	8.4
CV						18.45	11.25

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: S3012
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	POLPY SMARTWEED, PENNSYLVANIA	POLYGONUM PENSYLVANICUM L.

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-12-03 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-20-03

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: 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:	06-16-03	06-19-03
Time of Day:	2:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	LP	LLP
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	72 F	69 F
% Relative Humidity:	98	83
Wind Velocity, Unit:	4 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	75 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE GLYPHOSATE COMPARISONS

Trial ID: S3012
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA LP	GLXMA LLP
Height, Unit:	6 IN	8 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SETFA LP	SETFA LLP
Density, Unit:	4 IN	6 IN
Weed 2 Code, Stage:	AMBTR LP	AMBTR LLP
Density, Unit:	6 IN	10 IN
Weed 3 Code, Stage:	CHEAL LP	CHEAL LLP
Density, Unit:	6 IN	8 IN
Weed 4 Code, Stage:	POLPY LP	POLPY LLP
Density, Unit:	5 IN	8 IN

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:	10 FT	10 FT
Boom Height, Unit:	28 IN	30 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

Dept. of Agronomy, Univ. of Ky
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SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

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

Trt Treatment No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	AMBTR	CHEAL	IPOSS	GLXMA
1	CANOPY XL	56.3	DF	5 OZ/A		PRE	20	99	99	99	99	7
1	SYNCHRONY STS	42	DF	0.25 OZ/A		MP						
1	FLEXSTAR	1.88	CS	1 PT/A		MP						
1	ASSURE II	0.8	EC	8 OZ/A		MP						
1	MSO		L	1 % V/V		MP						
2	CANOPY XL	56.3	DF	4 OZ/A		PRE	0	99	99	99	99	0
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		MP						
2	AMS		L	3.9 % V/V		MP						
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		MP	0	99	98	98	96	0
3	SYNCHRONY STS	42	DF	0.25 OZ/A		MP						
3	AMS		L	3.9 % V/V		MP						
4	AIM	2	EW	0.25 OZ/A		LP	10	99	85	86	90	0
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		LP						
4	AMS		L	3.9 % V/V		LP						
5	BOUNDARY	7.8	EC	1.5 PT/A		PRE	23	99	99	99	98	13
5	FLEXSTAR	1.88	CS	1.5 PT/A		MP						
5	FUSION	2.66	EC	12 OZ/A		MP						
5	MSO		L	1 QT/A		MP						
5	LIQUID N		L	1 QT/A		MP						
6	BOUNDARY	7.8	EC	1.5 PT/A		PRE	0	99	99	97	95	0
6	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A		MP						
6	AMS		L	3.9 % V/V		MP						
7	VALOR	51	WDG	0.75 OZ/A		PRE	0	99	97	99	98	0
7	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		LP						
7	AMS		L	3.9 % V/V		LP						
8	VALOR	51	WDG	1 OZ/A		PRE	0	99	99	99	96	0
8	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		LP						
8	AMS		L	3.9 % V/V		LP						
9	VALOR	51	WDG	2.5 OZ/A		PRE	0	99	96	99	96	0
9	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		LP						
9	AMS		L	3.9 % V/V		LP						
10	AUTHORITY	75	DF	3 OZ/A		PRE	0	99	98	98	98	0
10	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A		LP						
10	AMS		L	3.9 % V/V		LP						

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SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	GLXMA
Crop Code	INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 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	0	99	99	99	99	0
11 AUTHORITY	75	DF	6 OZ/A	PRE	0	99	99	99	99	0
11 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
11 AMS		L	3.9 % V/V	LP						
12 VALOR	51	WDG	1.5 OZ/A	PRE	0	99	98	99	96	0
12 AMPLIFY	84	W	0.3 OZ/A	PRE						
12 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
12 AMS		L	3.9 % V/V	LP						
13 VALOR	51	WDG	2.5 OZ/A	PRE	0	99	99	99	98	2
13 AMPLIFY	84	W	0.6 OZ/A	PRE						
13 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
13 AMS		L	3.9 % V/V	LP						
14 AMPLIFY	84	W	0.3 OZ/A	PRE	0	99	99	99	95	0
14 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
14 AMS		L	3.9 % V/V	LP						
15 AMPLIFY	84	W	0.6 OZ/A	PRE	0	99	99	99	98	0
15 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
15 AMS		L	3.9 % V/V	LP						
16 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP	0	99	97	90	93	0
16 AMS		L	3.9 % V/V	LP						
17 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP	0	99	99	93	90	2
17 AMS		L	3.9 % V/V	LP						
17 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	IFN						
17 AMS		L	3.9 % V/V	IFN						
18 TOUCHDOWN IQ	4	SL	32 OZ/A	LP	0	99	97	88	92	0
18 AMS		L	3.9 % V/V	LP						
19 TOUCHDOWN IQ	4	SL	32 OZ/A	LP	0	99	93	91	90	0
19 AMS		L	3.9 % V/V	LP						
19 TOUCHDOWN IQ	4	SL	32 OZ/A	IFN						
19 AMS		L	3.9 % V/V	IFN						
20 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	LP	0	99	97	87	92	0
20 AMS		L	3.9 % V/V	LP						

Dept. of Agronomy, Univ. of Ky
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SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	0	99	97	90	93	0
21 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	LP	0	99	97	90	93	0
21 AMS		L	3.9 % V/V	LP						
21 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	IFN						
21 AMS		L	3.9 % V/V	IFN						
22 FIRSTRATE	84	W	0.15 OZ/A	LP	0	99	98	90	93	0
22 GLYPHOMAX PLUS	4	SL	2 PT/A	LP						
22 AMS		L	1.5 % V/V	LP						
23 FIRSTRATE	84	W	0.3 OZ/A	LP	0	99	95	85	92	0
23 GLYPHOMAX PLUS	4	SL	1.5 PT/A	LP						
23 AMS		L	1.5 % V/V	LP						
24 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP	0	99	96	92	93	0
25 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP	0	99	99	90	92	0
25 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	IFN						
26 CHECK UNTREATED					0	0	0	0	0	0
LSD (P=.05)					3.3	0.3	2.8	4.4	4.4	2.8
Standard Deviation					2.0	0.2	1.7	2.6	2.6	1.7
CV					98.59	0.2	1.8	2.91	2.9	192.17

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

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	SETFA
Crop Code						
Rating Data Type	CONTROL	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.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	SETFA
1	CANOPY XL	56.3	DF	5 OZ/A	PRE	97	98	98	92	0	95
1	SYNCHRONY STS	42	DF	0.25 OZ/A	MP						
1	FLEXSTAR	1.88	CS	1 PT/A	MP						
1	ASSURE II	0.8	EC	8 OZ/A	MP						
1	MSO		L	1 % V/V	MP						
2	CANOPY XL	56.3	DF	4 OZ/A	PRE	92	96	96	92	0	92
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP						
2	AMS		L	3.9 % V/V	MP						
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP	96	95	93	90	0	96
3	SYNCHRONY STS	42	DF	0.25 OZ/A	MP						
3	AMS		L	3.9 % V/V	MP						
4	AIM	2	EW	0.25 OZ/A	LP	94	85	67	85	0	92
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
4	AMS		L	3.9 % V/V	LP						
5	BOUNDARY	7.8	EC	1.5 PT/A	PRE	97	97	97	87	0	95
5	FLEXSTAR	1.88	CS	1.5 PT/A	MP						
5	FUSION	2.66	EC	12 OZ/A	MP						
5	MSO		L	1 QT/A	MP						
5	LIQUID N		L	1 QT/A	MP						
6	BOUNDARY	7.8	EC	1.5 PT/A	PRE	96	92	95	88	0	95
6	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	MP						
6	AMS		L	3.9 % V/V	MP						
7	VALOR	51	WDG	0.75 OZ/A	PRE	92	93	95	87	0	92
7	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
7	AMS		L	3.9 % V/V	LP						
8	VALOR	51	WDG	1 OZ/A	PRE	90	92	95	88	0	90
8	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
8	AMS		L	3.9 % V/V	LP						
9	VALOR	51	WDG	2.5 OZ/A	PRE	95	90	95	90	0	93
9	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
9	AMS		L	3.9 % V/V	LP						
10	AUTHORITY	75	DF	3 OZ/A	PRE	93	90	95	92	0	92
10	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
10	AMS		L	3.9 % V/V	LP						

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

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	SETFA
Crop Code						
Rating Data Type	CONTROL	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	AMBTR	CHEAL	IPOSS	GLXMA	SETFA
11 AUTHORITY	75	DF	6 OZ/A	PRE	95	90	95	90	0	93
11 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
11 AMS		L	3.9 % V/V	LP						
12 VALOR	51	WDG	1.5 OZ/A	PRE	92	93	93	88	0	90
12 AMPLIFY	84	W	0.3 OZ/A	PRE						
12 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
12 AMS		L	3.9 % V/V	LP						
13 VALOR	51	WDG	2.5 OZ/A	PRE	93	93	95	92	2	93
13 AMPLIFY	84	W	0.6 OZ/A	PRE						
13 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
13 AMS		L	3.9 % V/V	LP						
14 AMPLIFY	84	W	0.3 OZ/A	PRE	90	87	95	87	0	90
14 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
14 AMS		L	3.9 % V/V	LP						
15 AMPLIFY	84	W	0.6 OZ/A	PRE	90	93	95	87	0	90
15 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP						
15 AMS		L	3.9 % V/V	LP						
16 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP	90	93	82	88	0	90
16 AMS		L	3.9 % V/V	LP						
17 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP	90	95	83	82	2	88
17 AMS		L	3.9 % V/V	LP						
17 ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	IFN						
17 AMS		L	3.9 % V/V	IFN						
18 TOUCHDOWN IQ	4	SL	32 OZ/A	LP	92	95	72	85	0	90
18 AMS		L	3.9 % V/V	LP						
19 TOUCHDOWN IQ	4	SL	32 OZ/A	LP	93	93	77	85	0	93
19 AMS		L	3.9 % V/V	LP						
19 TOUCHDOWN IQ	4	SL	32 OZ/A	IFN						
19 AMS		L	3.9 % V/V	IFN						
20 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	LP	93	93	73	85	0	92
20 AMS		L	3.9 % V/V	LP						

Dept. of Agronomy, Univ. of Ky
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SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	SETFA
Crop Code						
Rating Data Type	CONTROL	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 Rate Unit	Grow Stg	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	SETFA
21 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	LP	94	93	73	87	0	92
21 AMS		L	3.9 % V/V	LP						
21 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	IFN						
21 AMS		L	3.9 % V/V	IFN						
22 FIRSTRATE	84	W	0.15 OZ/A	LP	93	93	77	87	0	93
22 GLYPHOMAX PLUS	4	SL	2 PT/A	LP						
22 AMS		L	1.5 % V/V	LP						
23 FIRSTRATE	84	W	0.3 OZ/A	LP	90	92	67	85	0	88
23 GLYPHOMAX PLUS	4	SL	1.5 PT/A	LP						
23 AMS		L	1.5 % V/V	LP						
24 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP	93	93	78	87	0	93
25 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP	90	93	82	87	0	88
25 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	IFN						
26 CHECK UNTREATED					0	0	0	0	0	0
LSD (P=.05)					5.0	4.7	7.2	6.0	1.3	5.9
Standard Deviation					3.0	2.9	4.4	3.6	0.8	3.6
CV					3.37	3.21	5.28	4.31	611.88	4.02

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

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	IPOSS
Crop Code			
Rating Data Type	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	AMBTR	CHEAL	IPOSS
1	CANOPY XL	56.3	DF	5 OZ/A	PRE	96	96	85
1	SYNCHRONY STS	42	DF	0.25 OZ/A	MP			
1	FLEXSTAR	1.88	CS	1 PT/A	MP			
1	ASSURE II	0.8	EC	8 OZ/A	MP			
1	MSO		L	1 % V/V	MP			
2	CANOPY XL	56.3	DF	4 OZ/A	PRE	95	96	90
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP			
2	AMS		L	3.9 % V/V	MP			
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP	92	93	88
3	SYNCHRONY STS	42	DF	0.25 OZ/A	MP			
3	AMS		L	3.9 % V/V	MP			
4	AIM	2	EW	0.25 OZ/A	LP	80	63	82
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
4	AMS		L	3.9 % V/V	LP			
5	BOUNDARY	7.8	EC	1.5 PT/A	PRE	96	97	85
5	FLEXSTAR	1.88	CS	1.5 PT/A	MP			
5	FUSION	2.66	EC	12 OZ/A	MP			
5	MSO		L	1 QT/A	MP			
5	LIQUID N		L	1 QT/A	MP			
6	BOUNDARY	7.8	EC	1.5 PT/A	PRE	90	95	87
6	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	MP			
6	AMS		L	3.9 % V/V	MP			
7	VALOR	51	WDG	0.75 OZ/A	PRE	93	95	85
7	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
7	AMS		L	3.9 % V/V	LP			
8	VALOR	51	WDG	1 OZ/A	PRE	92	95	87
8	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
8	AMS		L	3.9 % V/V	LP			
9	VALOR	51	WDG	2.5 OZ/A	PRE	90	95	90
9	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
9	AMS		L	3.9 % V/V	LP			
10	AUTHORITY	75	DF	3 OZ/A	PRE	87	95	92
10	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
10	AMS		L	3.9 % V/V	LP			

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

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	IPOSS
Crop Code			
Rating Data Type	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	AMBTR	CHEAL	IPOSS
11	AUTHORITY	75	DF	6 OZ/A	PRE	87	95	87
11	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
11	AMS		L	3.9 % V/V	LP			
12	VALOR	51	WDG	1.5 OZ/A	PRE	90	93	88
12	AMPLIFY	84	W	0.3 OZ/A	PRE			
12	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
12	AMS		L	3.9 % V/V	LP			
13	VALOR	51	WDG	2.5 OZ/A	PRE	92	95	92
13	AMPLIFY	84	W	0.6 OZ/A	PRE			
13	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
13	AMS		L	3.9 % V/V	LP			
14	AMPLIFY	84	W	0.3 OZ/A	PRE	87	95	87
14	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
14	AMS		L	3.9 % V/V	LP			
15	AMPLIFY	84	W	0.6 OZ/A	PRE	92	95	85
15	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
15	AMS		L	3.9 % V/V	LP			
16	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP	93	82	87
16	AMS		L	3.9 % V/V	LP			
17	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP	93	83	80
17	AMS		L	3.9 % V/V	LP			
17	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	IFN			
17	AMS		L	3.9 % V/V	IFN			
18	TOUCHDOWN IQ	4	SL	32 OZ/A	LP	95	72	85
18	AMS		L	3.9 % V/V	LP			
19	TOUCHDOWN IQ	4	SL	32 OZ/A	LP	93	77	85
19	AMS		L	3.9 % V/V	LP			
19	TOUCHDOWN IQ	4	SL	32 OZ/A	IFN			
19	AMS		L	3.9 % V/V	IFN			
20	TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	LP	90	73	85
20	AMS		L	3.9 % V/V	LP			

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

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	IPOSS
Crop Code			
Rating Data Type	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	AMBTR	CHEAL	IPOSS
21 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	LP	92	73	87
21 AMS		L	3.9 % V/V	LP			
21 TOUCHDOWN TOTAL	4.17	SL	24 OZ/A	IFN			
21 AMS		L	3.9 % V/V	IFN			
22 FIRSTRATE	84	W	0.15 OZ/A	LP	93	77	87
22 GLYPHOMAX PLUS	4	SL	2 PT/A	LP			
22 AMS		L	1.5 % V/V	LP			
23 FIRSTRATE	84	W	0.3 OZ/A	LP	92	67	85
23 GLYPHOMAX PLUS	4	SL	1.5 PT/A	LP			
23 AMS		L	1.5 % V/V	LP			
24 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP	93	78	87
25 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	LP	93	82	87
25 CLEAROUT 41 PLUS	4	SL	32 FL OZ/A	IFN			
26 CHECK UNTREATED					0	0	0
LSD (P=.05)					4.9	7.4	7.6
Standard Deviation					3.0	4.5	4.6
CV					3.39	5.38	5.57

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

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-12-03 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-20-03

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

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-13-03	06-05-03	06-09-03
Time of Day:	10:00	2:00	4:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	58 F	62 F	68 F
% Relative Humidity:	61	64	60
Wind Velocity, Unit:	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	64 F	64 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	15

Dept. of Agronomy, Univ. of Ky
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SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S3013

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA PRE	GLXMA MP	GLXMA LP
Height, Unit:	5 IN	6 IN	

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA MP	SETFA LP
Density, Unit:	3 IN	4 IN	
Weed 2 Code, Stage:	AMBTR PRE	AMBTR MP	AMBTR LP
Density, Unit:	5 IN	8 IN	
Weed 3 Code, Stage:	CHEAL PRE	CHEAL MP	CHEAL LP
Density, Unit:	5 IN	7 IN	
Weed 4 Code, Stage:	IPOSS PRE	IPOSS MP	IPOSS LP
Density, Unit:	3 IN	5 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:	20 IN	25 IN	28 IN
Ground Speed, Unit:	4 MPH	3 MPH	3 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: S3014
Location: LEXINGTON, KY

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

Weed Code				SETFA	AMBTR	CHEAL	IPOSS				
Crop Code				GLXMA				GLXMA			
Rating Data Type				INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY		
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Trt-Eval Interval				2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 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						
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP	0	99	99	97	90	0
1	AMS		L	3.7 % V/V	MP						
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP	0	99	99	98	91	0
2	CLASSIC	25	DF	0.004 LB A/A	MP						
2	AMS		L	3.7 % V/V	MP						
3	ROUNDUP ULTRAMAX	5	SL	26 FL OZ/A	MP	0	97	99	99	94	0
3	CLASSIC	25	DF	0.004 LB A/A	MP						
3	AMS		L	3.7 % V/V	MP						
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP	0	99	99	99	93	0
4	CLASSIC	25	DF	0.005 LB A/A	MP						
4	AMS		L	3.7 % V/V	MP						
5	ROUNDUP ULTRAMAX	5	SL	26 FL OZ/A	MP	3	99	99	94	94	0
5	CLASSIC	25	DF	0.005 LB A/A	MP						
5	AMS		L	3.7 % V/V	MP						
6	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	MP	0	97	96	97	93	0
6	HARMONY GT	75	DF	0.004 LB A/A	MP						
6	AMS		L	3.7 % V/V	MP						
7	ROUNDUP ULTRAMAX	5	SL	26 FL OZ/A	MP	3	99	99	99	95	0
7	HARMONY GT	75	DF	0.004 LB A/A	MP						
7	AMS		L	3.7 % V/V	MP						
8	CLASSIC	25	DF	0.008 LB A/A	MP	8	50	91	70	89	0
8	PHOENIX	2	EC	0.063 LB A/A	MP						
8	AMS		L	3.7 % V/V	MP						
9	CLASSIC	25	DF	0.008 LB A/A	MP	10	60	90	84	90	0
9	PHOENIX	2	EC	0.094 LB A/A	MP						
9	AMS		L	3.7 % V/V	MP						
10	CLASSIC	25	DF	0.008 LB A/A	MP	10	55	93	79	91	0
10	PHOENIX	2	EC	0.125 LB A/A	MP						
10	AMS		L	3.7 % V/V	MP						
11	CLASSIC	25	DF	0.008 LB A/A	MP	10	48	76	65	84	0
11	COBRA	2	EC	0.063 LB A/A	MP						
11	AMS		L	3.7 % V/V	MP						

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

SOYBEAN POSTEMERGENCE

Trial ID: S3014
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	IPOSS	GLXMA	GLXMA
Crop Code	GLXMA					
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 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 Rate	Unit	Grow Stg	GLXMA	SETFA	AMBTR	CHEAL	IPOSS	GLXMA
12 CLASSIC	25	DF	0.008	LB A/A	MP	10	55	86	81	90	0
12 COBRA	2	EC	0.094	LB A/A	MP						
12 AMS		L	3.7	% V/V	MP						
13 CLASSIC	25	DF	0.008	LB A/A	MP	10	58	86	85	89	0
13 COBRA	2	EC	0.125	LB A/A	MP						
13 AMS		L	3.7	% V/V	MP						
14 CHECK UNTREATED						0	0	0	0	0	0
LSD (P=.05)			3.4			3.4	10.4	4.2	5.4	3.8	0.0
Standard Deviation			2.4			2.4	7.3	2.9	3.8	2.6	0.0
CV			53.16			53.16	10.09	3.4	4.6	3.14	0.0

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

SOYBEAN POSTEMERGENCE

Trial ID: S3014
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	AMBTR	CHEAL	IPOSS
1	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	99	96	90	84
1	AMS		L	3.7	% V/V	MP				
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	95	95	92	83
2	CLASSIC	25	DF	0.004	LB A/A	MP				
2	AMS		L	3.7	% V/V	MP				
3	ROUNDUP ULTRAMAX	5	SL	26	FL OZ/A	MP	97	96	95	88
3	CLASSIC	25	DF	0.004	LB A/A	MP				
3	AMS		L	3.7	% V/V	MP				
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	97	95	95	84
4	CLASSIC	25	DF	0.005	LB A/A	MP				
4	AMS		L	3.7	% V/V	MP				
5	ROUNDUP ULTRAMAX	5	SL	26	FL OZ/A	MP	97	95	91	89
5	CLASSIC	25	DF	0.005	LB A/A	MP				
5	AMS		L	3.7	% V/V	MP				
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	97	91	94	84
6	HARMONY GT	75	DF	0.004	LB A/A	MP				
6	AMS		L	3.7	% V/V	MP				
7	ROUNDUP ULTRAMAX	5	SL	26	FL OZ/A	MP	98	93	94	81
7	HARMONY GT	75	DF	0.004	LB A/A	MP				
7	AMS		L	3.7	% V/V	MP				
8	CLASSIC	25	DF	0.008	LB A/A	MP	38	79	58	83
8	PHOENIX	2	EC	0.063	LB A/A	MP				
8	AMS		L	3.7	% V/V	MP				
9	CLASSIC	25	DF	0.008	LB A/A	MP	33	81	71	83
9	PHOENIX	2	EC	0.094	LB A/A	MP				
9	AMS		L	3.7	% V/V	MP				
10	CLASSIC	25	DF	0.008	LB A/A	MP	33	85	58	83
10	PHOENIX	2	EC	0.125	LB A/A	MP				
10	AMS		L	3.7	% V/V	MP				
11	CLASSIC	25	DF	0.008	LB A/A	MP	25	65	48	76
11	COBRA	2	EC	0.063	LB A/A	MP				
11	AMS		L	3.7	% V/V	MP				

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE

Trial ID: S3014
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form	Form Conc	Rate	Unit	Grow Stg	SETFA	AMBTR	CHEAL	IPOSS
12	CLASSIC	DF	25	0.008	LB A/A	MP	28	68	65	83
12	COBRA	EC	2	0.094	LB A/A	MP				
12	AMS	L		3.7	% V/V	MP				
13	CLASSIC	DF	25	0.008	LB A/A	MP	35	69	65	83
13	COBRA	EC	2	0.125	LB A/A	MP				
13	AMS	L		3.7	% V/V	MP				
14	CHECK UNTREATED						0	0	0	0
	LSD (P=.05)						13.9	9.0	12.3	6.3
	Standard Deviation						9.7	6.3	8.6	4.4
	CV						15.69	7.99	11.89	5.68

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

SOYBEAN POSTEMERGENCE

Trial ID: S3014
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-12-03 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-20-03

SITE AND DESIGN

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

SOIL DESCRIPTION

% 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**

Application Date: 06-05-03
Time of Day: 10:00
Application Method: SPRAY
Application Timing: MP
Applic. Placement: BROFOL
Air Temp., Unit: 62 F
% Relative Humidity: 64
Wind Velocity, Unit: 4 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 64 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

SOYBEAN POSTEMERGENCE

Trial ID: S3014
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: GLXMA MP
Height, Unit: 5 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA MP
Density, Unit: 3 IN
Weed 2 Code, Stage: AMBTR MP
Density, Unit: 5 IN
Weed 3 Code, Stage: CHEAL MP
Density, Unit: 5 IN
Weed 4 Code, Stage: IPOSS MP
Density, Unit: 2 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: 10 FT
Boom Height, Unit: 25 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE MORNINGGLORY

Trial ID: S3014-3
Location: LEXINGTON, KY

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

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

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

1 ROUNDUP WeatherMAX	5.5 SL	22 FL OZ/A	MP	0	99	95	85	0	99
1 AMS	L	3.7 %	V/V MP						
2 ROUNDUP WeatherMAX	5.5 SL	22 FL OZ/A	MP	0	99	96	83	0	99
2 CLASSIC	25 DF	0.004 LB A/A	MP						
2 AMS	L	3.7 %	V/V MP						
3 ROUNDUP ULTRAMAX	5 SL	26 FL OZ/A	MP	0	99	96	85	0	99
3 CLASSIC	25 DF	0.004 LB A/A	MP						
3 AMS	L	3.7 %	V/V MP						
4 ROUNDUP WeatherMAX	5.5 SL	22 FL OZ/A	MP	0	99	96	87	0	99
4 CLASSIC	25 DF	0.005 LB A/A	MP						
4 AMS	L	3.7 %	V/V MP						
5 ROUNDUP ULTRAMAX	5 SL	26 FL OZ/A	MP	0	99	95	83	0	99
5 CLASSIC	25 DF	0.005 LB A/A	MP						
5 AMS	L	3.7 %	V/V MP						
6 ROUNDUP WeatherMAX	5.5 SL	22 FL OZ/A	MP	10	99	96	87	0	99
6 HARMONY GT	75 DF	0.004 LB A/A	MP						
6 AMS	L	3.7 %	V/V MP						
7 ROUNDUP ULTRAMAX	5 SL	26 FL OZ/A	MP	7	99	98	85	0	99
7 HARMONY GT	75 DF	0.004 LB A/A	MP						
7 AMS	L	3.7 %	V/V MP						
8 CLASSIC	25 DF	0.008 LB A/A	MP	7	0	40	90	0	0
8 PHOENIX	2 EC	0.063 LB A/A	MP						
8 AMS	L	3.7 %	V/V MP						
9 CLASSIC	25 DF	0.008 LB A/A	MP	10	0	37	90	0	0
9 PHOENIX	2 EC	0.094 LB A/A	MP						
9 AMS	L	3.7 %	V/V MP						
10 CLASSIC	25 DF	0.008 LB A/A	MP	10	0	37	90	0	0
10 PHOENIX	2 EC	0.125 LB A/A	MP						
10 AMS	L	3.7 %	V/V MP						
11 CLASSIC	25 DF	0.008 LB A/A	MP	13	0	30	88	0	0
11 COBRA	2 EC	0.063 LB A/A	MP						
11 AMS	L	3.7 %	V/V MP						

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

SOYBEAN POSTEMERGENCE MORNINGGLORY

Trial ID: S3014-3
Location: LEXINGTON, KY

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

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

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

12 CLASSIC	25 DF	0.008 LB A/A	MP	10	0	33	90	0	0
12 COBRA	2 EC	0.094 LB A/A	MP						
12 AMS	L	3.7 % V/V	MP						
13 CLASSIC	25 DF	0.008 LB A/A	MP	10	0	43	90	0	0
13 COBRA	2 EC	0.125 LB A/A	MP						
13 AMS	L	3.7 % V/V	MP						
14 CHECK UNTREATED				0	0	0	0	0	0
LSD (P=.05)				7.6	0.0	20.7	4.2	0.0	0.0
Standard Deviation				4.5	0.0	12.3	2.5	0.0	0.0
CV				83.07	0.0	19.29	3.07	0.0	0.0

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE MORNINGGLORY

Trial ID: S3014-3
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg		
1	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	93	85
1	AMS		L	3.7	% V/V	MP		
2	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	96	83
2	CLASSIC	25	DF	0.004	LB A/A	MP		
2	AMS		L	3.7	% V/V	MP		
3	ROUNDUP ULTRAMAX	5	SL	26	FL OZ/A	MP	95	85
3	CLASSIC	25	DF	0.004	LB A/A	MP		
3	AMS		L	3.7	% V/V	MP		
4	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	95	87
4	CLASSIC	25	DF	0.005	LB A/A	MP		
4	AMS		L	3.7	% V/V	MP		
5	ROUNDUP ULTRAMAX	5	SL	26	FL OZ/A	MP	95	87
5	CLASSIC	25	DF	0.005	LB A/A	MP		
5	AMS		L	3.7	% V/V	MP		
6	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	96	88
6	HARMONY GT	75	DF	0.004	LB A/A	MP		
6	AMS		L	3.7	% V/V	MP		
7	ROUNDUP ULTRAMAX	5	SL	26	FL OZ/A	MP	98	88
7	HARMONY GT	75	DF	0.004	LB A/A	MP		
7	AMS		L	3.7	% V/V	MP		
8	CLASSIC	25	DF	0.008	LB A/A	MP	40	87
8	PHOENIX	2	EC	0.063	LB A/A	MP		
8	AMS		L	3.7	% V/V	MP		
9	CLASSIC	25	DF	0.008	LB A/A	MP	37	85
9	PHOENIX	2	EC	0.094	LB A/A	MP		
9	AMS		L	3.7	% V/V	MP		
10	CLASSIC	25	DF	0.008	LB A/A	MP	33	87
10	PHOENIX	2	EC	0.125	LB A/A	MP		
10	AMS		L	3.7	% V/V	MP		
11	CLASSIC	25	DF	0.008	LB A/A	MP	30	83
11	COBRA	2	EC	0.063	LB A/A	MP		
11	AMS		L	3.7	% V/V	MP		

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SOYBEAN POSTEMERGENCE MORNINGGLORY

Trial ID: S3014-3
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg		
12	CLASSIC	25	DF	0.008	LB A/A	MP	33	85
12	COBRA	2	EC	0.094	LB A/A	MP		
12	AMS		L	3.7	% V/V	MP		
13	CLASSIC	25	DF	0.008	LB A/A	MP	43	85
13	COBRA	2	EC	0.125	LB A/A	MP		
13	AMS		L	3.7	% V/V	MP		
14	CHECK UNTREATED						0	0
	LSD (P=.05)						19.9	7.0
	Standard Deviation						11.8	4.2
	CV						18.7	5.23

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SOYBEAN POSTEMERGENCE MORNINGGLORY

Trial ID: S3014-3
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 06-20-03 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 71 F **Soil Moisture:** NORMAL **Emergence Date:** 06-28-03

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

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

APPLICATION DESCRIPTION

A

Application Date: 06-22-03
Time of Day: 10:00
Application Method: SPRAY
Application Timing: MP
Applic. Placement: BROFOL
Air Temp., Unit: 67 F
% Relative Humidity: 66
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 74 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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SOYBEAN POSTEMERGENCE MORNINGGLORY

Trial ID: S3014-3
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION**A**

Crop 1 Code, Stage: GLXMA MP
Height, Unit: 4 IN

WEED STAGE AT EACH APPLICATION**A**

Weed 1 Code, Stage: SETFA MP
Density, Unit: 3 IN
Weed 2 Code, Stage: CHEAL MP
Density, Unit: 4 IN
Weed 3 Code, Stage: IPOSS MP
Density, Unit: 2 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: 24 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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SOYBEAN POSTEMERGENCE II

Trial ID: S3015
Location: LEXINGTON, KY

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

Weed Code	GLXMA	SETFA	GLXMA	SETFA	GLXMA	SETFA
Crop Code	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	1 WEEK	1 WEEK 2	2 WEEK	2 WEEK	3 WEEK	3 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 Rate	Unit	Grow Stg						
1 ARROW	2 EC		4 FL OZ/A	LP		0	90	0	92	0	93
1 COC	L		1 QT/A	LP							
2 ARROW	2 EC		6 FL OZ/A	LP		0	92	0	94	0	96
2 COC	L		1 QT/A	LP							
3 ARROW	2 EC		8 FL OZ/A	LP		0	92	0	92	0	96
3 COC	L		1 QT/A	LP							
4 SELECT	2 EC		4 FL OZ/A	LP		0	93	0	95	0	95
4 COC	L		1 QT/A	LP							
5 SELECT	2 EC		6 FL OZ/A	LP		0	93	0	95	0	96
5 COC	L		1 QT/A	LP							
6 SELECT	2 EC		8 FL OZ/A	LP		0	92	0	79	0	88
6 COC	L		1 QT/A	LP							
7 ARROW	2 EC		6 FL OZ/A	LP		27	78	10	90	10	90
7 FLEXSTAR	1.88 CS		20 FL OZ/A	LP							
7 COC	L		1 QT/A	LP							
8 ARROW	2 EC		8 FL OZ/A	LP		28	80	7	88	7	90
8 FLEXSTAR	1.88 CS		20 FL OZ/A	LP							
8 COC	L		1 QT/A	LP							
9 SELECT	2 EC		6 FL OZ/A	LP		28	78	17	90	10	92
9 FLEXSTAR	1.88 CS		20 FL OZ/A	LP							
9 COC	L		1 QT/A	LP							
10 SELECT	2 EC		8 FL OZ/A	LP		30	78	10	88	8	92
10 FLEXSTAR	1.88 CS		20 FL OZ/A	LP							
10 COC	L		1 QT/A	LP							
11 ARROW	2 EC		6 FL OZ/A	LP		0	67	0	75	0	77
11 RAPTOR	1 E		5 FL OZ/A	LP							
11 COC	L		1 QT/A	LP							
12 ARROW	2 EC		8 FL OZ/A	LP		0	70	0	78	0	80
12 RAPTOR	1 E		5 FL OZ/A	LP							
12 COC	L		1 QT/A	LP							

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SOYBEAN POSTEMERGENCE II

Trial ID: S3015
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		SETFA		SETFA	
							GLXMA	INJURY CONTROL	GLXMA	INJURY CONTROL	GLXMA	INJURY CONTROL
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
							1 WEEK	1 WEEK 2	2 WEEK	2 WEEK	3 WEEK	3 WEEK
							P	P	P	P	P	P
							0	0	0	0	0	0
Trt Treatment No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
13	SELECT	2	EC	6	FL OZ/A LP		0	70	0	77	0	77
13	RAPTOR	1	E	5	FL OZ/A LP							
13	COC		L	1	QT/A LP							
14	SELECT	2	EC	8	FL OZ/A LP		0	68	0	77	0	83
14	RAPTOR	1	E	5	FL OZ/A LP							
14	COC		L	1	QT/A LP							
15	ARROW	2	EC	6	FL OZ/A LP		0	47	0	62	0	75
15	FIRSTRATE	84	W	0.3	OZ WT/A LP							
15	COC		L	1	QT/A LP							
16	ARROW	2	EC	8	FL OZ/A LP		0	60	0	70	0	78
16	FIRSTRATE	84	W	0.3	OZ WT/A LP							
16	COC		L	1	QT/A LP							
17	SELECT	2	EC	6	FL OZ/A LP		0	53	0	72	0	78
17	FIRSTRATE	84	W	0.3	OZ WT/A LP							
17	COC		L	1	QT/A LP							
18	SELECT	2	EC	8	FL OZ/A LP		0	47	0	72	0	78
18	FIRSTRATE	84	W	0.3	OZ WT/A LP							
18	COC		L	1	QT/A LP							
19	CHECK UNTREATED						0	0	0	0	0	0
LSD (P=.05)							2.7	19.5	4.8	15.1	2.5	9.3
Standard Deviation							1.6	11.8	2.9	9.1	1.5	5.6
CV							27.07	16.69	128.41	11.68	81.28	6.88

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SOYBEAN POSTEMERGENCE II

Trial ID: S3015
Location: LEXINGTON, KY

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

Weed Code	GLXMA	SETFA	GLXMA	SETFA	GLXMA	SETFA
Crop Code	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL	INJURY CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	4 WEEK	4 WEEK	6 WEEK	6 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.						

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg						
1 ARROW	2 EC		4 FL OZ/A LP		0	96	0	96	0	98
1 COC	L		1 QT/A LP							
2 ARROW	2 EC		6 FL OZ/A LP		0	97	0	97	0	99
2 COC	L		1 QT/A LP							
3 ARROW	2 EC		8 FL OZ/A LP		0	96	0	96	0	98
3 COC	L		1 QT/A LP							
4 SELECT	2 EC		4 FL OZ/A LP		0	96	0	96	0	98
4 COC	L		1 QT/A LP							
5 SELECT	2 EC		6 FL OZ/A LP		0	96	0	96	0	98
5 COC	L		1 QT/A LP							
6 SELECT	2 EC		8 FL OZ/A LP		0	91	0	91	0	95
6 COC	L		1 QT/A LP							
7 ARROW	2 EC		6 FL OZ/A LP		2	87	2	87	2	93
7 FLEXSTAR	1.88 CS		20 FL OZ/A LP							
7 COC	L		1 QT/A LP							
8 ARROW	2 EC		8 FL OZ/A LP		2	87	2	87	2	88
8 FLEXSTAR	1.88 CS		20 FL OZ/A LP							
8 COC	L		1 QT/A LP							
9 SELECT	2 EC		6 FL OZ/A LP		0	96	0	96	0	99
9 FLEXSTAR	1.88 CS		20 FL OZ/A LP							
9 COC	L		1 QT/A LP							
10 SELECT	2 EC		8 FL OZ/A LP		0	96	0	96	0	99
10 FLEXSTAR	1.88 CS		20 FL OZ/A LP							
10 COC	L		1 QT/A LP							
11 ARROW	2 EC		6 FL OZ/A LP		0	82	0	82	0	88
11 RAPTOR	1 E		5 FL OZ/A LP							
11 COC	L		1 QT/A LP							
12 ARROW	2 EC		8 FL OZ/A LP		0	85	0	85	0	90
12 RAPTOR	1 E		5 FL OZ/A LP							
12 COC	L		1 QT/A LP							

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SOYBEAN POSTEMERGENCE II

Trial ID: S3015
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		SETFA		SETFA	
							GLXMA	INJURY CONTROL	GLXMA	INJURY CONTROL	GLXMA	INJURY CONTROL
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
							4 WEEK	4 WEEK	6 WEEK	6 WEEK	8 WEEK	8 WEEK
							P	P	P	P	P	P
							0	0	0	0	0	0
Trt Treatment No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
13	SELECT	2	EC	6	FL OZ/A LP		0	83	0	83	0	90
13	RAPTOR	1	E	5	FL OZ/A LP							
13	COC		L	1	QT/A LP							
14	SELECT	2	EC	8	FL OZ/A LP		0	90	0	90	0	92
14	RAPTOR	1	E	5	FL OZ/A LP							
14	COC		L	1	QT/A LP							
15	ARROW	2	EC	6	FL OZ/A LP		0	87	0	87	0	90
15	FIRSTRATE	84	W	0.3	OZ WT/A LP							
15	COC		L	1	QT/A LP							
16	ARROW	2	EC	8	FL OZ/A LP		0	82	0	82	0	88
16	FIRSTRATE	84	W	0.3	OZ WT/A LP							
16	COC		L	1	QT/A LP							
17	SELECT	2	EC	6	FL OZ/A LP		0	83	0	83	0	83
17	FIRSTRATE	84	W	0.3	OZ WT/A LP							
17	COC		L	1	QT/A LP							
18	SELECT	2	EC	8	FL OZ/A LP		0	80	0	80	0	82
18	FIRSTRATE	84	W	0.3	OZ WT/A LP							
18	COC		L	1	QT/A LP							
19	CHECK UNTREATED						0	0	0	0	0	0
LSD (P=.05)							1.5	10.9	1.5	10.9	1.5	4.7
Standard Deviation							0.9	6.6	0.9	6.6	0.9	2.9
CV							518.81	7.77	518.81	7.77	518.81	3.25

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SOYBEAN POSTEMERGENCE II

Trial ID: S3015
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code **Common Name** **Scientific Name**
1. SETFA FOXTAIL, GIANT SETARIA FABERI HERRM.

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-21-03

SITE AND DESIGN

Plot Width, Unit: 5 FT **Plot Length, Unit:** 44 FT **Reps:** 3
Site Type: FIELD
Tillage Type: NO-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

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

Application Date: 06-19-03
Time of Day: 11:00
Application Method: SPRAY
Application Timing: LP
Applic. Placement: BROFOL
Air Temp., Unit: 69 F
% Relative Humidity: 83
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 73 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

Trial ID: S3015
Location: LEXINGTON, KY

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

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: SETFA LP
Density, Unit: 4 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: 24 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTEMERGENCE III

Trial ID: S3016
Location: LEXINGTON, KY

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

Weed Code			
Crop Code		GLXMA	GLXMA GLXMA
Rating Data Type		INJURY	INJURY YIELD
Rating Unit		PERCENT	PERCENT BU/A
Rating Date			
Trt-Eval Interval		3 DAY	10 DAY
ARM Action Codes		P	P TY1
# Subsamples, Dec.		0	0 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg			
1	COBRA	2	EC	0.094	LB A/A	V4	18	5	63
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	V4			
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	V4	0	0	67
3	STELLAR	3.1	EC	0.5	LB A/A	V4	18	9	65
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	V4			
3	ACTIVATOR 90		L	0.25	% V/V	V4			
4	COBRA	2	EC	0.094	LB A/A	V4	18	8	65
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	V4			
4	MUSTANG	1.5	E	0.035	LB A/A	V4			
	LSD (P=.05)						6.7	3.3	5.9
	Standard Deviation						4.2	2.1	3.7
	CV						31.75	39.22	5.71

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

SOYBEAN POSTEMERGENCE III

Trial ID: S3016
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-12-03 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-20-03

SITE AND DESIGN

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

SOIL DESCRIPTION

% 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**

Application Date: 06-19-03
Time of Day: 2:00
Application Method: SPRAY
Application Timing: V4
Applic. Placement: BROFOL
Air Temp., Unit: 69 F
% Relative Humidity: 83
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 74 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

CROP STAGE AT EACH APPLICATION**A**

Crop 1 Code, Stage: GLXMA V4
Height, Unit: 7 IN

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SOYBEAN POSTEMERGENCE III

Trial ID: S3016
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: 10 FT
Boom Height, Unit: 28 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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

SOYBEAN POSTEMERGENCE V

Trial ID: S3016-2
Location: LEXINGTON, KY

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

Weed Code		SETFA		SETFA	
Crop Code		GLXMA		GLXMA	GLXMA
Rating Data Type		INJURY CONTROL		INJURY CONTROL	YIELD
Rating Unit		PERCENT		PERCENT	bu/ac
Rating Date					
Trt-Eval Interval		3 DAY		10 DAY	
ARM Action Codes		P		P	TY1
# Subsamples, Dec.		0		0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	3 DAY INJURY CONTROL PERCENT	3 DAY SETFA PERCENT	10 DAY INJURY CONTROL PERCENT	10 DAY SETFA PERCENT	GLXMA YIELD bu/ac
1	COBRA	2	EC	0.094	LB	A/A V4	14	94	8	99	57
1	ROUNDUP ULTRAMAX	5	SL		1 LB	A/A V4					
2	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A V4	0	45	0	98	51
3	STELLAR	3.1	EC	0.5	LB	A/A V4	25	95	11	98	57
3	ROUNDUP ULTRAMAX	5	SL		1 LB	A/A V4					
3	ACTIVATOR 90		L	0.25	%	V/V V4					
4	COBRA	2	EC	0.094	LB	A/A V4	23	95	8	98	57
4	ROUNDUP ULTRAMAX	5	SL		1 LB	A/A V4					
4	MUSTANG	1.5	E	0.035	LB	A/A V4					
LSD (P=.05)							13.2	7.6	6.0	0.8	8.0
Standard Deviation							8.3	4.7	3.8	0.5	5.0
CV							53.94	5.76	57.14	0.51	9.0

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Weed Science Field Research

SOYBEAN POSTEMERGENCE V

Trial ID: S3016-2
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code **Common Name** **Scientific Name**
1. SETFA FOXTAIL, GIANT SETARIA FABERI HERRM.

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 62 F **Soil Moisture:** NORMAL **Emergence Date:** 05-21-03

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**

Application Date: 06-19-03
Time of Day: 3:00
Application Method: SPRAY
Application Timing: V4
Applic. Placement: BROFOL
Air Temp., Unit: 69 F
% Relative Humidity: 83
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 73 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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SOYBEAN POSTEMERGENCE V

Trial ID: S3016-2
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION**A**

Crop 1 Code, Stage: GLXMA V4
Height, Unit: 7 IN

WEED STAGE AT EACH APPLICATION**A**

Weed 1 Code, Stage: SETFA V4
Density, Unit: 5 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: 10 FT
Boom Height, Unit: 28 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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Weed Science Field Research

NO-TILL SOYBEAN EARLY PREPLANT II

Trial ID: S3017
Location: LEXINGTON, KY

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

Weed Code	AMBTR	AMBER	POLPY	GLXMA	AMBTR	AMBER
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	2 WEEK	2 WEEK	2 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 Rate Unit	Grow Stg	AMBTR	AMBER	POLPY	GLXMA	AMBTR	AMBER
1 ROUNDUP WeatherMAX	4.5 AS		22 FL OZ/A	1WK	83	83	78	0	100	100
1 ET-751 2.5% EC	.208 EC		0.5 OZ/A	1WK						
2 ROUNDUP WeatherMAX	4.5 AS		22 FL OZ/A	1WK	88	88	80	0	100	100
2 ET-751 2.5% EC	.208 EC		1 OZ/A	1WK						
3 LABS 141-F01 (H)	5 EC		12.8 OZ/A	1WK	62	62	62	0	99	97
3 COC	L		1 QT/A	1WK						
4 ROUNDUP WeatherMAX	4.5 AS		22 FL OZ/A	1WK	77	77	73	0	100	100
4 LABS 141-F01 (H)	5 EC		12.8 OZ/A	1WK						
5 ROUNDUP WeatherMAX	4.5 AS		22 FL OZ/A	1WK	57	57	57	0	99	99
6 WEEDONE LV4	3.8 E		16 OZ/A	1WK	63	63	63	0	99	99
6 COC	L		1 QT/A	1WK						
7 ROUNDUP WeatherMAX	4.5 AS		22 FL OZ/A	1WK	63	63	63	0	100	100
7 WEEDONE LV4	3.8 E		16 OZ/A	1WK						
8 CHECK UNTREATED					0	0	0	0	0	0
LSD (P=.05)					24.6	24.6	25.0	0.0	1.0	3.5
Standard Deviation					14.1	14.1	14.3	0.0	0.6	2.0
CV					22.79	22.79	23.99	0.0	0.68	2.29

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

NO-TILL SOYBEAN EARLY PREPLANT II

Trial ID: S3017
Location: LEXINGTON, KY

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

Weed Code	POLPY	AMBTR	AMBER	POLPY
Crop Code	GLXMA			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2WEEK	2 WEEK	3 WEEK	3WEEK
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	POLPY	GLXMA	AMBTR	AMBER	POLPY
1 ROUNDUP WeatherMAX	4.5	AS	22 FL OZ/A	1WK	100	0	100	100	100
1 ET-751 2.5% EC	.208	EC	0.5 OZ/A	1WK					
2 ROUNDUP WeatherMAX	4.5	AS	22 FL OZ/A	1WK	95	0	100	100	95
2 ET-751 2.5% EC	.208	EC	1 OZ/A	1WK					
3 LABS 141-F01 (H)	5	EC	12.8 OZ/A	1WK	62	0	98	98	55
3 COC		L	1 QT/A	1WK					
4 ROUNDUP WeatherMAX	4.5	AS	22 FL OZ/A	1WK	100	0	100	100	100
4 LABS 141-F01 (H)	5	EC	12.8 OZ/A	1WK					
5 ROUNDUP WeatherMAX	4.5	AS	22 FL OZ/A	1WK	80	0	98	98	70
6 WEEDONE LV4	3.8	E	16 OZ/A	1WK	80	0	97	97	67
6 COC		L	1 QT/A	1WK					
7 ROUNDUP WeatherMAX	4.5	AS	22 FL OZ/A	1WK	100	0	100	100	100
7 WEEDONE LV4	3.8	E	16 OZ/A	1WK					
8 CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)					26.1	0.0	3.8	3.8	39.3
Standard Deviation					14.9	0.0	2.2	2.2	22.4
CV					19.31	0.0	2.52	2.52	30.58

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN EARLY PREPLANT II

Trial ID: S3017
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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

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.	AMBEL RAGWEED, COMMON	AMBROSIA ELATIOR L.
3.	POLPY SMARTWEED, PENNSYLVANIA	POLYGONUM PENNSYLVANICUM L.

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-20-03 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 69 F **Soil Moisture:** NORMAL **Emergence Date:** 05-28-03

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 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**

Application Date: 05-12-03
Time of Day: 3:00
Application Method: SPRAY
Application Timing: 1WK
Applic. Placement: BROSIOI
Air Temp., Unit: 60 F
% Relative Humidity: 58
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 64 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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

NO-TILL SOYBEAN EARLY PREPLANT II

Trial ID: S3017
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: GLXMA 1WK

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: AMBTR 1WK

Density, Unit: 4 IN

Weed 2 Code, Stage: AMBEL 1WK

Density, Unit: 3 IN

Weed 3 Code, Stage: POLPY 1WK

Density, Unit: 3 IN

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: 10 FT

Boom Height, Unit: 20 IN

Ground Speed, Unit: 4 MPH

Carrier: WATER

Spray Volume, Unit: 24 GPA

Propellant: CO2

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

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	TRZAW	TAROF	GERCA	CAPBP	TRZAW	TAROF
Crop Code						
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Date						
Crop Stage	WEED	WEED	WEED	WEED	WEED	WEED
Weed Density, Unit						
Footnote Number						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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	TRZAW	TAROF	GERCA	CAPBP	TRZAW	TAROF
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK		91	74	61	99	97	0
1	AMS		L	3.7 % V/V	3WK							
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP							
1	AMS		L	3.7 % V/V	LP							
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK		89	81	59	99	98	0
2	AMS		L	3.7 % V/V	3WK							
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP							
2	COBRA	2	EC	0.094 LB A/A	LP							
2	ACTIVATOR 90			0.25 % V/V	LP							
2	AMS		L	3.7 % V/V	LP							
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK		94	89	70	99	96	13
3	VALOR	51	WDG	0.0234 LB A/A	3 WK							
3	AMS		L	3.7 % V/V	3WK							
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP							
3	AMS		L	3.7 % V/V	LP							
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK		94	89	80	99	98	38
4	VALOR	51	WDG	0.0312 LB A/A	3 WK							
4	AMS		L	3.7 % V/V	3WK							
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP							
4	AMS		L	3.7 % V/V	LP							
5	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK		94	93	81	99	96	85
5	VALOR	51	WDG	0.078 LB A/A	3 WK							
5	AMS		L	3.7 % V/V	3WK							
5	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP							
5	AMS		L	3.7 % V/V	LP							
6	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK		94	84	70	99	98	13
6	AUTHORITY	75	DF	0.14 LB A/A	3 WK							
6	AMS		L	3.7 % V/V	3WK							
6	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP							
6	AMS		L	3.7 % V/V	LP							

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	TRZAW	TAROF	GERCA	CAPBP	TRZAW	TAROF
Crop Code						
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Date						
Crop Stage	WEED	WEED	WEED	WEED	WEED	WEED
Weed Density, Unit						
Footnote Number						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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	TRZAW	TAROF	GERCA	CAPBP	TRZAW	TAROF
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	91	83	69	99	95	63
7	AUTHORITY	75	DF	0.28	LB A/A	3 WK						
7	AMS		L	3.7	% V/V	3WK						
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
7	AMS		L	3.7	% V/V	LP						
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	92	88	76	99	97	92
8	VALOR	51	WDG	0.047	LB A/A	3 WK						
8	AMPLIFY	84	W	0.016	LB A/A	3WK						
8	AMS		L	3.7	% V/V	3WK						
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
8	AMS		L	3.7	% V/V	LP						
9	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	94	90	84	99	99	95
9	VALOR	51	WDG	0.078	LB A/A	3 WK						
9	AMPLIFY	84	W	0.0262	LB A/A	3WK						
9	AMS		L	3.7	% V/V	3WK						
9	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
9	AMS		L	3.7	% V/V	LP						
10	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	92	73	63	99	95	79
10	AMPLIFY	84	W	0.016	LB A/A	3WK						
10	AMS		L	3.7	% V/V	3WK						
10	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
10	AMS		L	3.7	% V/V	LP						
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	94	74	64	99	99	80
11	AMPLIFY	84	W	0.032	LB A/A	3WK						
11	AMS		L	3.7	% V/V	3WK						
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
11	AMS		L	3.7	% V/V	LP						
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	93	75	69	99	98	0
12	LASSO	4	EC	2.4	LB A/A	3WK						
12	AMS		L	3.7	% V/V	3WK						
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
12	AMS		L	3.7	% V/V	LP						

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	TRZAW	TAROF	GERCA	CAPBP	TRZAW	TAROF
Crop Code						
Rating Data Type	PERCENT CONTROL	PERCENT CONTROL	PERCENT CONTROL	PERCENT CONTROL	PERCENT CONTROL	PERCENT CONTROL
Rating Unit						
Rating Date						
Crop Stage	WEED	WEED	WEED	WEED	WEED	WEED
Weed Density, Unit						
Footnote Number						
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 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	TRZAW	TAROF	GERCA	CAPBP	TRZAW	TAROF
13	EXTREME	2.17	EC	0.81	LB A/A	3WK	91	74	64	99	99	8
13	AMS		L	3.7	% V/V	3WK						
13	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
13	AMS		L	3.7	% V/V	LP						
14	BACKDRAFT	1.5	E	1.125	LB A/A	3WK	88	81	69	99	95	83
14	AMS		L	3.7	% V/V	3WK						
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
14	AMS		L	3.7	% V/V	LP						
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	64	73	63	99	98	0
15	AXIOM	68	DF	0.57	LB A/A	3WK						
15	AMS		L	3.7	% V/V	3WK						
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
15	AMS		L	3.7	% V/V	LP						
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	92	78	69	99	95	70
16	DEGREE	3.8	CS	2	LB A/A	3WK						
16	AMS		L	3.7	% V/V	3WK						
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
16	AMS		L	3.7	% V/V	LP						
LSD (P=.05)							4.9	10.5	12.1	0.0	4.4	20.3
Standard Deviation							3.4	7.3	8.4	0.0	3.1	14.2
CV							3.81	9.06	12.18	0.0	3.21	31.77

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	GERCA
Crop Code	GLXMA
Rating Data Type	PERCENT YIELD
Rating Unit	CONTROL BU/A
Rating Date	
Crop Stage	WEED
Weed Density, Unit	
Footnote Number	
Trt-Eval Interval	4 WEEK
ARM Action Codes	P TY1
# Subsamples, Dec.	0 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg		
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK	73	44	
1	AMS		L	3.7 % V/V	3WK			
1	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
1	AMS		L	3.7 % V/V	LP			
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK	71	48	
2	AMS		L	3.7 % V/V	3WK			
2	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
2	COBRA	2	EC	0.094 LB A/A	LP			
2	ACTIVATOR 90			0.25 % V/V	LP			
2	AMS		L	3.7 % V/V	LP			
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK	51	45	
3	VALOR	51	WDG	0.0234 LB A/A	3 WK			
3	AMS		L	3.7 % V/V	3WK			
3	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
3	AMS		L	3.7 % V/V	LP			
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK	76	49	
4	VALOR	51	WDG	0.0312 LB A/A	3 WK			
4	AMS		L	3.7 % V/V	3WK			
4	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
4	AMS		L	3.7 % V/V	LP			
5	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK	79	44	
5	VALOR	51	WDG	0.078 LB A/A	3 WK			
5	AMS		L	3.7 % V/V	3WK			
5	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
5	AMS		L	3.7 % V/V	LP			
6	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	3 WK	60	46	
6	AUTHORITY	75	DF	0.14 LB A/A	3 WK			
6	AMS		L	3.7 % V/V	3WK			
6	ROUNDUP WeatherMAX	5.5	SL	22 FL OZ/A	LP			
6	AMS		L	3.7 % V/V	LP			

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	GERCA
Crop Code	GLXMA
Rating Data Type	PERCENT YIELD
Rating Unit	CONTROL BU/A
Rating Date	
Crop Stage	WEED
Weed Density, Unit	
Footnote Number	
Trt-Eval Interval	4 WEEK
ARM Action Codes	P TY1
# Subsamples, Dec.	0 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg		
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	73	41
7	AUTHORITY	75	DF	0.28	LB A/A	3 WK		
7	AMS		L	3.7	% V/V	3WK		
7	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
7	AMS		L	3.7	% V/V	LP		
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	82	47
8	VALOR	51	WDG	0.047	LB A/A	3 WK		
8	AMPLIFY	84	W	0.016	LB A/A	3WK		
8	AMS		L	3.7	% V/V	3WK		
8	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
8	AMS		L	3.7	% V/V	LP		
9	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	80	45
9	VALOR	51	WDG	0.078	LB A/A	3 WK		
9	AMPLIFY	84	W	0.0262	LB A/A	3WK		
9	AMS		L	3.7	% V/V	3WK		
9	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
9	AMS		L	3.7	% V/V	LP		
10	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	73	44
10	AMPLIFY	84	W	0.016	LB A/A	3WK		
10	AMS		L	3.7	% V/V	3WK		
10	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
10	AMS		L	3.7	% V/V	LP		
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	79	45
11	AMPLIFY	84	W	0.032	LB A/A	3WK		
11	AMS		L	3.7	% V/V	3WK		
11	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
11	AMS		L	3.7	% V/V	LP		
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	74	44
12	LASSO	4	EC	2.4	LB A/A	3WK		
12	AMS		L	3.7	% V/V	3WK		
12	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
12	AMS		L	3.7	% V/V	LP		

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

Weed Code	GERCA
Crop Code	GLXMA
Rating Data Type	PERCENT YIELD
Rating Unit	CONTROL BU/A
Rating Date	
Crop Stage	WEED
Weed Density, Unit	
Footnote Number	
Trt-Eval Interval	4 WEEK
ARM Action Codes	P TY1
# Subsamples, Dec.	0 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg		
13	EXTREME	2.17	EC	0.81	LB A/A	3WK	79	40
13	AMS		L	3.7	% V/V	3WK		
13	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
13	AMS		L	3.7	% V/V	LP		
14	BACKDRAFT	1.5	E	1.125	LB A/A	3WK	84	40
14	AMS		L	3.7	% V/V	3WK		
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
14	AMS		L	3.7	% V/V	LP		
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	68	42
15	AXIOM	68	DF	0.57	LB A/A	3WK		
15	AMS		L	3.7	% V/V	3WK		
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
15	AMS		L	3.7	% V/V	LP		
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	3 WK	85	45
16	DEGREE	3.8	CS	2	LB A/A	3WK		
16	AMS		L	3.7	% V/V	3WK		
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
16	AMS		L	3.7	% V/V	LP		

LSD (P=.05)	20.5	6.9
Standard Deviation	14.3	4.8
CV	19.35	10.83

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: SLACK/MURPHY
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	TRZAW WHEAT, WINTER	TRITICUM AESTIVUM L.
2.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
3.	GERCA GERANIUM, CAROLINA	GERANIUM CAROLINIANUM L.
4.	CAPBP SHEPHERDSPURSE	CAPSELLA BURSA-PASTORIS (L.) MEDIK.

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 62 F **Soil Moisture:** NORMAL **Emergence Date:** 05-21-03

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:	04-24-03	06-13-03
Time of Day:	2:00	3:00
Application Method:	SPRAY	SPRAY
Application Timing:	3 WK	LP
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	55 F	74 F
% Relative Humidity:	65	82
Wind Velocity, Unit:	4 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	55 F	71 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	15	20

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

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S3018
Location: LEXINGTON, KY

Study Dir.: SLACK/MURPHY
Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA 3WK	GLXMA LP
Height, Unit:	6	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	TRZAW 3WK	TRZAW LP
Density, Unit:	8	IN
Weed 2 Code, Stage:	TAROF 3WK	TAROF LP
Density, Unit:	4	IN
Weed 3 Code, Stage:	GERCA 3WK	GERCA LP
Density, Unit:	4	IN
Weed 4 Code, Stage:	CAPBP 3WK	CAPBP LP
Density, Unit:	6	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:	6	FT
Boom Height, Unit:	24	IN
Ground Speed, Unit:	4	MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24	GPA
Propellant:	CO2	CO2

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

NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

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

Trt Treatment No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	AMBTR	CHEAL	ERICA	GLXMA
1	CHECK UNTREATED						0	0	0	0	0
2	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	99	90	96	97
2	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
3	VALOR	51 WP		0.031 LB	A/A	PRE	0	99	97	98	99
3	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE					
3	ACTIVATOR 90	L		0.25 %	V/V	PRE					
3	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
4	VALOR	51 WP		0.047 LB	A/A	PRE	0	99	97	98	98
4	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE					
4	ACTIVATOR 90	L		0.25 %	V/V	PRE					
4	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
5	VALOR	51 WP		0.063 LB	A/A	PRE	0	99	98	99	99
5	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE					
5	ACTIVATOR 90	L		0.25 %	V/V	PRE					
5	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
6	VALOR	51 WP		0.078 LB	A/A	PRE	0	99	95	98	98
6	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE					
6	ACTIVATOR 90	L		0.25 %	V/V	PRE					
6	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
7	VALOR	51 WP		0.031 LB	A/A	PRE	0	99	98	99	99
7	BOUNDARY	7.8 EC		1.22 LB	A/A	PRE					
7	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE					
7	ACTIVATOR 90	L		0.25 %	V/V	PRE					
7	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
8	VALOR	51 WP		0.031 LB	A/A	1WK	0	99	97	98	99
8	BOUNDARY	7.8 EC		1.22 LB	A/A	1WK					
8	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	1WK					
8	ACTIVATOR 90	L		0.25 %	V/V	1WK					
8	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP					
9	GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	99	97	99	99
9	AMS	L		1.5 %	V/V	PRE					
9	FIRSTRATE	84 W		0.008 LB	A/A	LP					
9	GLYPHOMAX PLUS	4 SL		1 LB	A/A	LP					
9	AMS	L		1.5 %	V/V	LP					

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

NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	ERICA	GLXMA	GLXMA
Crop Code	GLXMA					
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK	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 Rate	Unit	Grow Stg						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	99	95	98	98	0
10 AMS		L	1.5	% V/V	PRE						
10 FIRSTRATE	84	W	0.016	LB A/A	LP						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP						
10 AMS		L	1.5	% V/V	LP						
11 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	99	99	99	99	0
11 AMS		L	1.5	% V/V	PRE						
11 FIRSTRATE	84	W	0.016	LB A/A	LP						
11 GLYPHOMAX HC	5.4	SL	1	LB A/A	LP						
11 AMS		L	1.5	% V/V	LP						
12 GRAMOXONE MAX	3	AS	0.47	LB A/A	1WK	20	99	99	99	99	0
12 CANOPY XL	56.3	DF	0.176	LB A/A	1WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	1WK						
12 COC		L	1	QT/A	1WK						
12 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
12 ASSURE II	0.8	EC	0.05	LB A/A	MP						
12 COC		L	1	QT/A	MP						
12 LIQUID N		L	2	QT/A	MP						
13 GRAMOXONE MAX	3	AS	0.47	LB A/A	1WK	0	99	99	99	99	0
13 CANOPY XL	56.3	DF	0.14	LB A/A	1WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	1WK						
13 COC		L	1	QT/A	1WK						
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
13 AMS		L	2.9	% V/V	LP						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	1WK	3	99	99	99	99	0
14 SYNCHRONY STS	42	DF	0.013	LB A/A	1WK						
14 AMS		L	3.7	% V/V	1WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
14 SYNCHRONY STS	42	DF	0.007	LB A/A	LP						
14 AMS		L	3.7	% V/V	LP						
15 CANOPY XL	56.3	DF	0.14	LB A/A	PRE	3	99	92	98	99	0
15 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP						
15 AMS		L	3.7	% V/V	MP						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	3	99	99	99	99	0
16 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
16 AMS		L	3.7	% V/V	MP						

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

NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

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

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)			3.1	0.0	5.8	1.8 1.5 0.0
Standard Deviation			2.1	0.0	4.1	1.3 1.0 0.0
CV			125.03	0.0	4.47	1.4 1.13 0.0

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	ERICA
Crop Code				
Rating Data Type	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	CHEAL	ERICA
1	CHECK UNTREATED						0	0	0	0
2	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	99	87	96	97
2	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
3	VALOR	51 WP		0.031 LB	A/A	PRE	99	96	98	99
3	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE				
3	ACTIVATOR 90	L		0.25 %	V/V	PRE				
3	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
4	VALOR	51 WP		0.047 LB	A/A	PRE	99	96	98	98
4	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE				
4	ACTIVATOR 90	L		0.25 %	V/V	PRE				
4	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
5	VALOR	51 WP		0.063 LB	A/A	PRE	99	97	99	99
5	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE				
5	ACTIVATOR 90	L		0.25 %	V/V	PRE				
5	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
6	VALOR	51 WP		0.078 LB	A/A	PRE	99	92	98	98
6	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE				
6	ACTIVATOR 90	L		0.25 %	V/V	PRE				
6	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
7	VALOR	51 WP		0.031 LB	A/A	PRE	99	97	99	99
7	BOUNDARY	7.8 EC		1.22 LB	A/A	PRE				
7	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE				
7	ACTIVATOR 90	L		0.25 %	V/V	PRE				
7	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
8	VALOR	51 WP		0.031 LB	A/A	1WK	99	97	98	99
8	BOUNDARY	7.8 EC		1.22 LB	A/A	1WK				
8	ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	1WK				
8	ACTIVATOR 90	L		0.25 %	V/V	1WK				
8	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP				
9	GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	99	95	99	99
9	AMS	L		1.5 %	V/V	PRE				
9	FIRSTRATE	84 W		0.008 LB	A/A	LP				
9	GLYPHOMAX PLUS	4 SL		1 LB	A/A	LP				
9	AMS	L		1.5 %	V/V	LP				

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

NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	ERICA
Crop Code				
Rating Data Type	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	CHEAL	ERICA
10	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	99	95	98	98
10	AMS		L	1.5	% V/V	PRE				
10	FIRSTRATE	84	W	0.016	LB A/A	LP				
10	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP				
10	AMS		L	1.5	% V/V	LP				
11	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	99	99	99	99
11	AMS		L	1.5	% V/V	PRE				
11	FIRSTRATE	84	W	0.016	LB A/A	LP				
11	GLYPHOMAX HC	5.4	SL	1	LB A/A	LP				
11	AMS		L	1.5	% V/V	LP				
12	GRAMOXONE MAX	3	AS	0.47	LB A/A	1WK	99	99	99	99
12	CANOPY XL	56.3	DF	0.176	LB A/A	1WK				
12	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
12	COC		L	1	QT/A	1WK				
12	SYNCHRONY STS	42	DF	0.007	LB A/A	MP				
12	ASSURE II	0.8	EC	0.05	LB A/A	MP				
12	COC		L	1	QT/A	MP				
12	LIQUID N		L	2	QT/A	MP				
13	GRAMOXONE MAX	3	AS	0.47	LB A/A	1WK	99	99	99	99
13	CANOPY XL	56.3	DF	0.14	LB A/A	1WK				
13	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
13	COC		L	1	QT/A	1WK				
13	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP				
13	AMS		L	2.9	% V/V	LP				
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	1WK	99	99	99	99
14	SYNCHRONY STS	42	DF	0.013	LB A/A	1WK				
14	AMS		L	3.7	% V/V	1WK				
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP				
14	SYNCHRONY STS	42	DF	0.007	LB A/A	LP				
14	AMS		L	3.7	% V/V	LP				
15	CANOPY XL	56.3	DF	0.14	LB A/A	PRE	99	90	98	99
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP				
15	AMS		L	3.7	% V/V	MP				
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	99	99	99	99
16	SYNCHRONY STS	42	DF	0.007	LB A/A	MP				
16	AMS		L	3.7	% V/V	MP				

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

NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	CHEAL	ERICA
Crop Code				
Rating Data Type	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 Treatment	Form	Form	Rate	Grow
No. Name	Conc	Type	Unit	Stg
LSD (P=.05)	0.0	8.0	1.8	1.5
Standard Deviation	0.0	5.6	1.3	1.0
CV	0.0	6.23	1.4	1.13

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	ERICA HORSEWEED	CONYZA CANADENSIS

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** SMOOTH/TRASHY
Soil Temperature: 64 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-21-03

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

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

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-08-03	05-14-03	06-18-03	06-23-03
Time of Day:	10:00	3:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	PRE	MP	LP
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	63 F	73 F	70 F
% Relative Humidity:	78	67	73	63
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	66 F	63 F	74 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	10	10	10

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NO-TILL SOYBEAN

Trial ID: S3019
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA 2WK	GLXMA PRE	GLXMA MP	GLXMA LP
Height, Unit:			4 IN	5 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA 2WK	SETFA PRE	SETFA MP	SETFA LP
Density, Unit:	3 IN	4 IN	6 IN	7 IN
Weed 2 Code, Stage:	AMBTR 2WK	AMBTR PRE	AMBTR MP	AMBTR LP
Density, Unit:	4 IN	5 IN	7 IN	8 IN
Weed 3 Code, Stage:	CHEAL 2WK	CHEAL PRE	CHEAL MP	CHEAL LP
Density, Unit:	4 IN	5 IN	7 IN	8 IN
Weed 4 Code, Stage:	ERICA 2WK	ERICA PRE	ERICA MP	ERICA LP
Density, Unit:	5 IN	6 IN	8 IN	9 IN

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	ATV	ATV	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:	24 IN	24 IN	30 IN	32 IN
Ground Speed, Unit:	4 MPH	4 MPH	3 MPH	3 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
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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0	99	91	99	0	99
1 CHECK UNTREATED						0	0	0	0	0	0
2 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	99	91	99	0	99
2 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
3 VALOR	51 WP		0.031 LB	A/A	PRE	0	99	96	98	0	99
3 ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE						
3 ACTIVATOR 90	L		0.25 %	V/V	PRE						
3 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
4 VALOR	51 WP		0.047 LB	A/A	PRE	2	99	91	97	0	99
4 ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE						
4 ACTIVATOR 90	L		0.25 %	V/V	PRE						
4 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
5 VALOR	51 WP		0.063 LB	A/A	PRE	0	99	91	97	0	99
5 ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE						
5 ACTIVATOR 90	L		0.25 %	V/V	PRE						
5 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
6 VALOR	51 WP		0.078 LB	A/A	PRE	0	99	99	99	0	99
6 ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE						
6 ACTIVATOR 90	L		0.25 %	V/V	PRE						
6 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
7 VALOR	51 WP		0.031 LB	A/A	PRE	3	99	96	99	0	99
7 BOUNDARY	7.8 EC		1.22 LB	A/A	PRE						
7 ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	PRE						
7 ACTIVATOR 90	L		0.25 %	V/V	PRE						
7 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
8 VALOR	51 WP		0.031 LB	A/A	2WK	0	99	99	99	0	99
8 BOUNDARY	7.8 EC		1.22 LB	A/A	2WK						
8 ROUNDUP WeatherMAX	5.5 SL		1 LB	A/A	2WK						
8 ACTIVATOR 90	L		0.25 %	V/V	2WK						
8 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP						
9 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	99	99	99	0	99
9 AMS	L		1.5 %	V/V	PRE						
9 FIRSTRATE	84 W		0.008 LB	A/A	LP						
9 GLYPHOMAX PLUS	4 SL		1 LB	A/A	LP						
9 AMS	L		1.5 %	V/V	LP						

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

MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	99	94	98	0	99
10 AMS		L	1.5	% V/V	PRE						
10 FIRSTRATE	84	W	0.016	LB A/A	LP						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP						
10 AMS		L	1.5	% V/V	LP						
11 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	99	99	99	0	99
11 AMS		L	1.5	% V/V	PRE						
11 FIRSTRATE	84	W	0.016	LB A/A	LP						
11 GLYPHOMAX HC	5.4	SL	1	LB A/A	LP						
11 AMS		L	1.5	% V/V	LP						
12 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	20	99	99	99	0	99
12 CANOPY XL	56.3	DF	0.176	LB A/A	2WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
12 COC		L	1	QT/A	2WK						
12 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
12 ASSURE II	0.8	EC	0.05	LB A/A	MP						
12 COC		L	1	QT/A	MP						
12 LIQUID N		L	2	QT/A	MP						
13 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	0	99	99	99	0	99
13 CANOPY XL	56.3	DF	0.14	LB A/A	2WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
13 COC		L	1	QT/A	2WK						
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
13 AMS		L	2.9	% V/V	LP						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK	0	99	99	99	0	99
14 SYNCHRONY STS	42	DF	0.013	LB A/A	2WK						
14 AMS		L	3.7	% V/V	2WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
14 SYNCHRONY STS	42	DF	0.007	LB A/A	LP						
14 AMS		L	3.7	% V/V	LP						
15 CANOPY XL	56.3	DF	0.14	LB A/A	PRE	0	99	94	99	0	99
15 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP						
15 AMS		L	3.7	% V/V	MP						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	8	99	99	99	0	99
16 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
16 AMS		L	3.7	% V/V	MP						

Dept. of Agronomy, Univ. of Ky
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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg						
17 AIM	2	EW	0.008	LB A/A	2WK	0	99	99	99	0	99
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
17 AMS		L	3.9	% V/V	2WK						
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
17 AMS		L	3.9	% V/V	LP						
18 AIM	2	EW	0.008	LB A/A	2WK	0	99	96	98	0	99
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
18 WEEDONE LV4	3.8	E	0.24	LB A/A	2WK						
18 AMS		L	3.9	% V/V	2WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
18 AMS		L	3.9	% V/V	LP						
19 SPARTAN	4	F	0.25	LB A/A	2WK	0	98	93	96	0	98
19 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
19 AMS		L	3.9	% V/V	2WK						
20 SPARTAN	4	F	0.32	LB A/A	2WK	0	96	93	96	0	96
20 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
20 AMS		L	3.9	% V/V	2WK						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	0	99	99	99	0	99
21 AMS	100	SG	2	LB A/A	PRE						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
21 AMS	100	SG	2	LB A/A	MP						
22 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	3	99	99	99	0	99
22 AMS	100	SG	2	LB A/A	PRE						
22 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
22 FLEXSTAR	1.88	CS	0.35	LB A/A	MP						
22 FUSION	2.66	EC	0.25	LB A/A	MP						
22 MSO		L	1	QT/A	MP						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	0	99	99	99	0	99
23 AMS	100	SG	2	LB A/A	PRE						
23 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
23 AMS	100	SG	2	LB A/A	MP						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	0	99	99	99	0	99
24 AMS	100	SG	2	LB A/A	PRE						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
24 AMS	100	SG	2	LB A/A	MP						

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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

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

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)			3.1			1.1
Standard Deviation			1.9			0.7
CV			123.55			0.7

Dept. of Agronomy, Univ. of Ky
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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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.	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
1	CHECK	UNTREATED				0	0	0	0	0	0
2	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A PRE	90	99	0	99	91	99
2	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
3	VALOR		51	WP	0.031 LB A/A PRE	96	98	0	99	96	98
3	ROUNDUP	WeatherMAX	5.5	SL	1 LB A/A PRE						
3	ACTIVATOR	90		L	0.25 % V/V PRE						
3	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
4	VALOR		51	WP	0.047 LB A/A PRE	90	97	0	99	91	97
4	ROUNDUP	WeatherMAX	5.5	SL	1 LB A/A PRE						
4	ACTIVATOR	90		L	0.25 % V/V PRE						
4	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
5	VALOR		51	WP	0.063 LB A/A PRE	91	97	0	99	91	97
5	ROUNDUP	WeatherMAX	5.5	SL	1 LB A/A PRE						
5	ACTIVATOR	90		L	0.25 % V/V PRE						
5	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
6	VALOR		51	WP	0.078 LB A/A PRE	99	99	0	99	99	99
6	ROUNDUP	WeatherMAX	5.5	SL	1 LB A/A PRE						
6	ACTIVATOR	90		L	0.25 % V/V PRE						
6	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
7	VALOR		51	WP	0.031 LB A/A PRE	96	99	0	99	96	99
7	BOUNDARY		7.8	EC	1.22 LB A/A PRE						
7	ROUNDUP	WeatherMAX	5.5	SL	1 LB A/A PRE						
7	ACTIVATOR	90		L	0.25 % V/V PRE						
7	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
8	VALOR		51	WP	0.031 LB A/A 2WK	99	99	0	99	99	99
8	BOUNDARY		7.8	EC	1.22 LB A/A 2WK						
8	ROUNDUP	WeatherMAX	5.5	SL	1 LB A/A 2WK						
8	ACTIVATOR	90		L	0.25 % V/V 2WK						
8	ROUNDUP	ULTRAMAX	5	SL	1 LB A/A LP						
9	GLYPHOMAX	PLUS	4	SL	1 LB A/A PRE	99	99	0	99	99	99
9	AMS			L	1.5 % V/V PRE						
9	FIRSTRATE		84	W	0.008 LB A/A LP						
9	GLYPHOMAX	PLUS	4	SL	1 LB A/A LP						
9	AMS			L	1.5 % V/V LP						

Dept. of Agronomy, Univ. of Ky
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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	94	98	0	99	94	98
10 AMS		L	1.5	% V/V	PRE						
10 FIRSTRATE	84	W	0.016	LB A/A	LP						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP						
10 AMS		L	1.5	% V/V	LP						
11 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	99	99	0	99	99	99
11 AMS		L	1.5	% V/V	PRE						
11 FIRSTRATE	84	W	0.016	LB A/A	LP						
11 GLYPHOMAX HC	5.4	SL	1	LB A/A	LP						
11 AMS		L	1.5	% V/V	LP						
12 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	99	99	0	99	99	99
12 CANOPY XL	56.3	DF	0.176	LB A/A	2WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
12 COC		L	1	QT/A	2WK						
12 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
12 ASSURE II	0.8	EC	0.05	LB A/A	MP						
12 COC		L	1	QT/A	MP						
12 LIQUID N		L	2	QT/A	MP						
13 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	99	99	0	99	99	99
13 CANOPY XL	56.3	DF	0.14	LB A/A	2WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
13 COC		L	1	QT/A	2WK						
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
13 AMS		L	2.9	% V/V	LP						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK	99	99	0	99	99	99
14 SYNCHRONY STS	42	DF	0.013	LB A/A	2WK						
14 AMS		L	3.7	% V/V	2WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
14 SYNCHRONY STS	42	DF	0.007	LB A/A	LP						
14 AMS		L	3.7	% V/V	LP						
15 CANOPY XL	56.3	DF	0.14	LB A/A	PRE	94	99	0	99	94	99
15 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP						
15 AMS		L	3.7	% V/V	MP						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	99	99	0	99	99	99
16 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
16 AMS		L	3.7	% V/V	MP						

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

MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	Form	Form	Rate	Grow							
No. Name	Conc	Type	Rate	Unit	Stg						
17 AIM	2	EW	0.008	LB A/A	2WK	99	99	0	99	99	99
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
17 AMS		L	3.9	% V/V	2WK						
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
17 AMS		L	3.9	% V/V	LP						
18 AIM	2	EW	0.008	LB A/A	2WK	96	98	0	99	96	98
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
18 WEEDONE LV4	3.8	E	0.24	LB A/A	2WK						
18 AMS		L	3.9	% V/V	2WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
18 AMS		L	3.9	% V/V	LP						
19 SPARTAN	4	F	0.25	LB A/A	2WK	93	96	0	98	93	96
19 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
19 AMS		L	3.9	% V/V	2WK						
20 SPARTAN	4	F	0.32	LB A/A	2WK	93	96	0	96	93	96
20 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
20 AMS		L	3.9	% V/V	2WK						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99	0	99	99	99
21 AMS	100	SG	2	LB A/A	PRE						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
21 AMS	100	SG	2	LB A/A	MP						
22 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99	0	99	99	99
22 AMS	100	SG	2	LB A/A	PRE						
22 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
22 FLEXSTAR	1.88	CS	0.35	LB A/A	MP						
22 FUSION	2.66	EC	0.25	LB A/A	MP						
22 MSO		L	1	QT/A	MP						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99	0	99	99	99
23 AMS	100	SG	2	LB A/A	PRE						
23 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
23 AMS	100	SG	2	LB A/A	MP						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99	0	99	99	99
24 AMS	100	SG	2	LB A/A	PRE						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
24 AMS	100	SG	2	LB A/A	MP						

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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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

Weed Code	AMBTR	CHEAL	GLXMA	SETFA	AMBTR	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 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	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)			7.4			1.9
Standard Deviation			4.5			1.2
CV			4.88			1.25

Dept. of Agronomy, Univ. of Ky
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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLEED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** SMOOTH
Soil Temperature: 62 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-21-03

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 44 FT **Reps:** 3
Site Type: FIELD
Tillage Type: MINIMUM-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

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

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-08-03	05-14-03	06-18-03	06-23-03
Time of Day:	10:00	3:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	PRE	MP	LP
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	63 F	73 F	70 F
% Relative Humidity:	78	67	73	63
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	66 F	63 F	74 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	10	10	10

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MINIMUM TILL SOYBEAN II

Trial ID: S3020
Location: LEXINGTON, KY

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CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA 2WK	GLXMA PRE	GLXMA MP	GLXMA LP
Height, Unit:			4 IN	5 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA 2WK	SETFA PRE	SETFA MP	SETFA LP
Density, Unit:	3 IN	4 IN	6 IN	7 IN
Weed 2 Code, Stage:	AMBTR 2WK	AMBTR PRE	AMBTR MP	AMBTR LP
Density, Unit:	4 IN	5 IN	7 IN	8 IN
Weed 3 Code, Stage:	CHEAL 2WK	CHEAL PRE	CHEAL MP	CHEAL LP
Density, Unit:	4 IN	5 IN	7 IN	8 IN

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	ATV	ATV	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:	10 FT	10 FT	10 FT	10 FT
Boom Height, Unit:	24 IN	26 IN	32 IN	34 IN
Ground Speed, Unit:	4 MPH	4 MPH	3 MPH	3 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
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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

Trt Treatment No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	AMBEL	TAROF	AMBTR	AMBEL	TAROF
1	CHECK UNTREATED						0	0	0	0	0	0
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	62	62	58	94	96	93
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
3	VALOR	51	WP	0.031	LB A/A	PRE	60	60	60	99	98	99
3	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE						
3	ACTIVATOR 90		L	0.25	% V/V	PRE						
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
4	VALOR	51	WP	0.047	LB A/A	PRE	58	65	60	96	99	99
4	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE						
4	ACTIVATOR 90		L	0.25	% V/V	PRE						
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
5	VALOR	51	WP	0.063	LB A/A	PRE	70	70	70	99	99	96
5	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE						
5	ACTIVATOR 90		L	0.25	% V/V	PRE						
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
6	VALOR	51	WP	0.078	LB A/A	PRE	70	72	70	99	99	98
6	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE						
6	ACTIVATOR 90		L	0.25	% V/V	PRE						
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
7	VALOR	51	WP	0.031	LB A/A	PRE	90	90	87	99	99	93
7	BOUNDARY	7.8	EC	1.22	LB A/A	PRE						
7	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE						
7	ACTIVATOR 90		L	0.25	% V/V	PRE						
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
8	VALOR	51	WP	0.031	LB A/A	2WK	87	87	87	90	96	97
8	BOUNDARY	7.8	EC	1.22	LB A/A	2WK						
8	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	2WK						
8	ACTIVATOR 90		L	0.25	% V/V	2WK						
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP						
9	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	50	50	50	99	98	98
9	AMS		L	1.5	% V/V	PRE						
9	FIRSTRATE	84	W	0.008	LB A/A	LP						
9	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP						
9	AMS		L	1.5	% V/V	LP						

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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

Weed Code	AMBTR	AMBEL	TAROF	AMBTR	AMBEL	TAROF
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	3 DAY	3 DAY	3 DAY	2 WEEK	2 WEEK	2 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 Rate	Unit	Grow Stg	AMBTR	AMBEL	TAROF	AMBTR	AMBEL	TAROF
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	50	50	50	99	99	90
10 AMS		L	1.5	% V/V	PRE						
10 FIRSTRATE	84	W	0.016	LB A/A	LP						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP						
10 AMS		L	1.5	% V/V	LP						
11 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	60	63	60	99	98	93
11 AMS		L	1.5	% V/V	PRE						
11 FIRSTRATE	84	W	0.016	LB A/A	LP						
11 GLYPHOMAX HC	5.4	SL	1	LB A/A	LP						
11 AMS		L	1.5	% V/V	LP						
12 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	88	88	88	99	99	99
12 CANOPY XL	56.3	DF	0.176	LB A/A	2WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
12 COC		L	1	QT/A	2WK						
12 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
12 ASSURE II	0.8	EC	0.05	LB A/A	MP						
12 COC		L	1	QT/A	MP						
12 LIQUID N		L	2	QT/A	MP						
13 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	87	87	87	99	99	96
13 CANOPY XL	56.3	DF	0.14	LB A/A	2WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
13 COC		L	1	QT/A	2WK						
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
13 AMS		L	2.9	% V/V	LP						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK	63	67	63	99	99	96
14 SYNCHRONY STS	42	DF	0.013	LB A/A	2WK						
14 AMS		L	3.7	% V/V	2WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
14 SYNCHRONY STS	42	DF	0.007	LB A/A	LP						
14 AMS		L	3.7	% V/V	LP						
15 CANOPY XL	56.3	DF	0.14	LB A/A	PRE	65	65	65	94	82	93
15 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP						
15 AMS		L	3.7	% V/V	MP						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	0	0	0	99	99	94
16 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
16 AMS		L	3.7	% V/V	MP						

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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

Weed Code	AMBTR	AMBEL	TAROF	AMBTR	AMBEL	TAROF
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	3 DAY	3 DAY	3 DAY	2 WEEK	2 WEEK	2 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 Rate	Unit	Grow Stg						
17 AIM	2	EW	0.008	LB A/A	2WK	60	60	60	96	96	96
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
17 AMS		L	3.9	% V/V	2WK						
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
17 AMS		L	3.9	% V/V	LP						
18 AIM	2	EW	0.008	LB A/A	2WK	62	62	62	99	95	99
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
18 WEEDONE LV4	3.8	E	0.24	LB A/A	2WK						
18 AMS		L	3.9	% V/V	2WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
18 AMS		L	3.9	% V/V	LP						
19 SPARTAN	4	F	0.25	LB A/A	2WK	60	60	60	96	96	95
19 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
19 AMS		L	3.9	% V/V	2WK						
20 SPARTAN	4	F	0.32	LB A/A	2WK	67	67	67	96	93	96
20 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
20 AMS		L	3.9	% V/V	2WK						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	70	70	70	99	99	96
21 AMS	100	SG	2	LB A/A	PRE						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
21 AMS	100	SG	2	LB A/A	MP						
22 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	80	80	80	99	99	93
22 AMS	100	SG	2	LB A/A	PRE						
22 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
22 FLEXSTAR	1.88	CS	0.35	LB A/A	MP						
22 FUSION	2.66	EC	0.25	LB A/A	MP						
22 MSO		L	1	QT/A	MP						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	80	80	80	99	98	96
23 AMS	100	SG	2	LB A/A	PRE						
23 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
23 AMS	100	SG	2	LB A/A	MP						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	70	70	70	99	98	93
24 AMS	100	SG	2	LB A/A	PRE						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
24 AMS	100	SG	2	LB A/A	MP						

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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)						8.6 9.0 8.9 5.3 4.4 6.0
Standard Deviation						5.2 5.5 5.4 3.2 2.7 3.6
CV						8.25 8.61 8.62 3.42 2.9 3.95

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

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

1 CHECK UNTREATED				0	0	0	0
2 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	PRE	0	99	99	99
2 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
3 VALOR	51 WP	0.031 LB A/A	PRE	0	99	98	99
3 ROUNDUP WeatherMAX	5.5 SL	1 LB A/A	PRE				
3 ACTIVATOR 90	L	0.25 % V/V	PRE				
3 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
4 VALOR	51 WP	0.047 LB A/A	PRE	0	99	99	99
4 ROUNDUP WeatherMAX	5.5 SL	1 LB A/A	PRE				
4 ACTIVATOR 90	L	0.25 % V/V	PRE				
4 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
5 VALOR	51 WP	0.063 LB A/A	PRE	0	99	99	99
5 ROUNDUP WeatherMAX	5.5 SL	1 LB A/A	PRE				
5 ACTIVATOR 90	L	0.25 % V/V	PRE				
5 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
6 VALOR	51 WP	0.078 LB A/A	PRE	0	99	99	99
6 ROUNDUP WeatherMAX	5.5 SL	1 LB A/A	PRE				
6 ACTIVATOR 90	L	0.25 % V/V	PRE				
6 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
7 VALOR	51 WP	0.031 LB A/A	PRE	0	99	99	99
7 BOUNDARY	7.8 EC	1.22 LB A/A	PRE				
7 ROUNDUP WeatherMAX	5.5 SL	1 LB A/A	PRE				
7 ACTIVATOR 90	L	0.25 % V/V	PRE				
7 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
8 VALOR	51 WP	0.031 LB A/A	2WK	0	99	96	99
8 BOUNDARY	7.8 EC	1.22 LB A/A	2WK				
8 ROUNDUP WeatherMAX	5.5 SL	1 LB A/A	2WK				
8 ACTIVATOR 90	L	0.25 % V/V	2WK				
8 ROUNDUP ULTRAMAX	5 SL	1 LB A/A	LP				
9 GLYPHOMAX PLUS	4 SL	1 LB A/A	PRE	0	99	98	99
9 AMS	L	1.5 % V/V	PRE				
9 FIRSTRATE	84 W	0.008 LB A/A	LP				
9 GLYPHOMAX PLUS	4 SL	1 LB A/A	LP				
9 AMS	L	1.5 % V/V	LP				

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	AMBEL	SETFA
Crop Code	GLXMA			GLXMA
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 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						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	99	99	99	0	99
10 AMS		L	1.5	% V/V	PRE						
10 FIRSTRATE	84	W	0.016	LB A/A	LP						
10 GLYPHOMAX PLUS	4	SL	1	LB A/A	LP						
10 AMS		L	1.5	% V/V	LP						
11 GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	99	98	96	0	99
11 AMS		L	1.5	% V/V	PRE						
11 FIRSTRATE	84	W	0.016	LB A/A	LP						
11 GLYPHOMAX HC	5.4	SL	1	LB A/A	LP						
11 AMS		L	1.5	% V/V	LP						
12 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	20	96	98	95	20	93
12 CANOPY XL	56.3	DF	0.176	LB A/A	2WK						
12 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
12 COC		L	1	QT/A	2WK						
12 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
12 ASSURE II	0.8	EC	0.05	LB A/A	MP						
12 COC		L	1	QT/A	MP						
12 LIQUID N		L	2	QT/A	MP						
13 GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	0	99	99	99	0	99
13 CANOPY XL	56.3	DF	0.14	LB A/A	2WK						
13 WEEDONE LV4	3.8	E	0.5	LB A/A	2WK						
13 COC		L	1	QT/A	2WK						
13 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
13 AMS		L	2.9	% V/V	LP						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK	0	99	99	99	0	99
14 SYNCHRONY STS	42	DF	0.013	LB A/A	2WK						
14 AMS		L	3.7	% V/V	2WK						
14 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
14 SYNCHRONY STS	42	DF	0.007	LB A/A	LP						
14 AMS		L	3.7	% V/V	LP						
15 CANOPY XL	56.3	DF	0.14	LB A/A	PRE	0	99	99	99	0	99
15 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP						
15 AMS		L	3.7	% V/V	MP						
16 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	0	70	76	79	0	66
16 SYNCHRONY STS	42	DF	0.007	LB A/A	MP						
16 AMS		L	3.7	% V/V	MP						

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

Weed Code	SETFA	AMBTR	AMBEL	SETFA
Crop Code	GLXMA			GLXMA
Rating Data Type	INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 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						
17 AIM	2	EW	0.008	LB A/A	2WK	0	99	99	99	0	99
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
17 AMS		L	3.9	% V/V	2WK						
17 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
17 AMS		L	3.9	% V/V	LP						
18 AIM	2	EW	0.008	LB A/A	2WK	0	99	99	99	0	99
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
18 WEEDONE LV4	3.8	E	0.24	LB A/A	2WK						
18 AMS		L	3.9	% V/V	2WK						
18 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP						
18 AMS		L	3.9	% V/V	LP						
19 SPARTAN	4	F	0.25	LB A/A	2WK	0	65	86	83	0	60
19 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
19 AMS		L	3.9	% V/V	2WK						
20 SPARTAN	4	F	0.32	LB A/A	2WK	0	86	93	90	0	83
20 ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK						
20 AMS		L	3.9	% V/V	2WK						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	0	99	99	99	0	99
21 AMS	100	SG	2	LB A/A	PRE						
21 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
21 AMS	100	SG	2	LB A/A	MP						
22 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	13	99	99	99	13	99
22 AMS	100	SG	2	LB A/A	PRE						
22 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
22 FLEXSTAR	1.88	CS	0.35	LB A/A	MP						
22 FUSION	2.66	EC	0.25	LB A/A	MP						
22 MSO		L	1	QT/A	MP						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	0	99	99	99	0	99
23 AMS	100	SG	2	LB A/A	PRE						
23 BOUNDARY	7.8	EC	1.95	LB A/A	PRE						
23 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
23 AMS	100	SG	2	LB A/A	MP						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	0	99	99	99	0	99
24 AMS	100	SG	2	LB A/A	PRE						
24 TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP						
24 AMS	100	SG	2	LB A/A	MP						

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

Weed Code	GLXMA	SETFA	AMBTR	AMBEL	GLXMA	SETFA
Crop Code	INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL
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.						

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
LSD (P=.05)			3.9			21.4
Standard Deviation			2.4			13.0
CV			169.71			14.28

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	AMBTR	AMBEL
1	CHECK UNTREATED						0	0
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	99	99
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
3	VALOR	51	WP	0.031	LB A/A	PRE	98	98
3	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE		
3	ACTIVATOR 90		L	0.25	% V/V	PRE		
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
4	VALOR	51	WP	0.047	LB A/A	PRE	99	99
4	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE		
4	ACTIVATOR 90		L	0.25	% V/V	PRE		
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
5	VALOR	51	WP	0.063	LB A/A	PRE	99	99
5	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE		
5	ACTIVATOR 90		L	0.25	% V/V	PRE		
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
6	VALOR	51	WP	0.078	LB A/A	PRE	99	99
6	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE		
6	ACTIVATOR 90		L	0.25	% V/V	PRE		
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
7	VALOR	51	WP	0.031	LB A/A	PRE	99	99
7	BOUNDARY	7.8	EC	1.22	LB A/A	PRE		
7	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	PRE		
7	ACTIVATOR 90		L	0.25	% V/V	PRE		
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
8	VALOR	51	WP	0.031	LB A/A	2WK	96	99
8	BOUNDARY	7.8	EC	1.22	LB A/A	2WK		
8	ROUNDUP WeatherMAX	5.5	SL	1	LB A/A	2WK		
8	ACTIVATOR 90		L	0.25	% V/V	2WK		
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP		
9	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	98	98
9	AMS		L	1.5	% V/V	PRE		
9	FIRSTRATE	84	W	0.008	LB A/A	LP		
9	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP		
9	AMS		L	1.5	% V/V	LP		

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg		
10	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	99	99
10	AMS		L	1.5	% V/V	PRE		
10	FIRSTRATE	84	W	0.016	LB A/A	LP		
10	GLYPHOMAX PLUS	4	SL	1	LB A/A	LP		
10	AMS		L	1.5	% V/V	LP		
11	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	98	98
11	AMS		L	1.5	% V/V	PRE		
11	FIRSTRATE	84	W	0.016	LB A/A	LP		
11	GLYPHOMAX HC	5.4	SL	1	LB A/A	LP		
11	AMS		L	1.5	% V/V	LP		
12	GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	98	90
12	CANOPY XL	56.3	DF	0.176	LB A/A	2WK		
12	WEEDONE LV4	3.8	E	0.5	LB A/A	2WK		
12	COC		L	1	QT/A	2WK		
12	SYNCHRONY STS	42	DF	0.007	LB A/A	MP		
12	ASSURE II	0.8	EC	0.05	LB A/A	MP		
12	COC		L	1	QT/A	MP		
12	LIQUID N		L	2	QT/A	MP		
13	GRAMOXONE MAX	3	AS	0.47	LB A/A	2WK	99	99
13	CANOPY XL	56.3	DF	0.14	LB A/A	2WK		
13	WEEDONE LV4	3.8	E	0.5	LB A/A	2WK		
13	COC		L	1	QT/A	2WK		
13	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
13	AMS		L	2.9	% V/V	LP		
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK	99	99
14	SYNCHRONY STS	42	DF	0.013	LB A/A	2WK		
14	AMS		L	3.7	% V/V	2WK		
14	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
14	SYNCHRONY STS	42	DF	0.007	LB A/A	LP		
14	AMS		L	3.7	% V/V	LP		
15	CANOPY XL	56.3	DF	0.14	LB A/A	PRE	99	99
15	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP		
15	AMS		L	3.7	% V/V	MP		
16	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	MP	76	79
16	SYNCHRONY STS	42	DF	0.007	LB A/A	MP		
16	AMS		L	3.7	% V/V	MP		

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg		
17	AIM	2	EW	0.008	LB A/A	2WK	99	99
17	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK		
17	AMS		L	3.9	% V/V	2WK		
17	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
17	AMS		L	3.9	% V/V	LP		
18	AIM	2	EW	0.008	LB A/A	2WK	99	99
18	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK		
18	WEEDONE LV4	3.8	E	0.24	LB A/A	2WK		
18	AMS		L	3.9	% V/V	2WK		
18	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	LP		
18	AMS		L	3.9	% V/V	LP		
19	SPARTAN	4	F	0.25	LB A/A	2WK	78	76
19	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK		
19	AMS		L	3.9	% V/V	2WK		
20	SPARTAN	4	F	0.32	LB A/A	2WK	86	76
20	ROUNDUP WeatherMAX	5.5	SL	22	FL OZ/A	2WK		
20	AMS		L	3.9	% V/V	2WK		
21	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99
21	AMS	100	SG	2	LB A/A	PRE		
21	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP		
21	AMS	100	SG	2	LB A/A	MP		
22	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	96	99
22	AMS	100	SG	2	LB A/A	PRE		
22	BOUNDARY	7.8	EC	1.95	LB A/A	PRE		
22	FLEXSTAR	1.88	CS	0.35	LB A/A	MP		
22	FUSION	2.66	EC	0.25	LB A/A	MP		
22	MSO		L	1	QT/A	MP		
23	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99
23	AMS	100	SG	2	LB A/A	PRE		
23	BOUNDARY	7.8	EC	1.95	LB A/A	PRE		
23	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP		
23	AMS	100	SG	2	LB A/A	MP		
24	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	PRE	99	99
24	AMS	100	SG	2	LB A/A	PRE		
24	TOUCHDOWN TOTAL	4.17	SL	24	FL OZ/A	MP		
24	AMS	100	SG	2	LB A/A	MP		

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

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

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

LSD (P=.05)	17.4	15.3
Standard Deviation	10.6	9.3
CV	11.47	10.14

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
2.	AMBEL RAGWEED, COMMON	AMBROSIA ELATIOR L.
3.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
4.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 62 F **Soil Moisture:** SLIGHTLY WET **Emergence Date:** 05-21-03

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

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	C	D
Application Date:	05-08-03	05-14-03	06-18-03	06-23-03
Time of Day:	10:00	3:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	PRE	MP	LP
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	63 F	73 F	70 F
% Relative Humidity:	78	67	73	63
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	66 F	63 F	74 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	15	10	10	10

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

NO-TILL SOYBEAN II

Trial ID: S3021
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA 2WK	GLXMA PRE	GLXMA MP	GLXMA LP
Height, Unit:			4 IN	5 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	AMBTR 2WK	AMBTR PRE	AMBTR MP	AMBTR LP
Density, Unit:	4 IN	5 IN	7 IN	8 IN
Weed 2 Code, Stage:	AMBEL 2WK	AMBEL PRE	AMBEL MP	AMBEL LP
Density, Unit:	4 IN	5 IN	7 IN	8 IN
Weed 3 Code, Stage:	TAROF 2WK	TAROF PRE	TAROF MP	TAROF LP
Density, Unit:	2 IN	3 IN		
Weed 4 Code, Stage:	SETFA 2WK	SETFA PRE	SETFA MP	SETFA LP
Density, Unit:	1 IN	2 IN	4 IN	5 IN

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	ATV	ATV	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:	24 IN	26 IN	30 IN	32 IN
Ground Speed, Unit:	4 MPH	4 MPH	3 MPH	3 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 JOHNSONGRASS

Trial ID: S3025
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.	SORHA		SORHA		SORHA	
							GLXMA	INJURY CONTROL	GLXMA	INJURY CONTROL	GLXMA	INJURY CONTROL
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
							1 WEEK	1 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK
							P	P	P	P	P	P
							0	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Grow								
No. Name	Conc	Type	Rate	Unit	Stg							
1 CHECK UNTREATED						0	0	0	0	0	0	
2 SELECT	2 EC		0.125 LB	A/A	18J	0	90	0	96	0	99	
2 COC	L		1 QT/A		18J							
3 V-10117	1.88 EC		0.118 LB	A/A	18J	0	90	0	97	0	99	
3 COC	L		1 QT/A		18J							
4 COBRA	2 EC		0.125 LB	A/A	18J	17	83	8	92	0	95	
4 SELECT	2 EC		0.156 LB	A/A	18J							
4 COC	L		1 QT/A		18J							
5 COBRA	2 EC		0.125 LB	A/A	18J	13	82	7	95	0	95	
5 V-10117	1.88 EC		0.147 LB	A/A	18J							
5 COC	L		1 QT/A		18J							
6 FIRSTRATE	84 W		0.016 LB	A/A	18J	0	85	0	95	0	97	
6 SELECT	2 EC		0.125 LB	A/A	18J							
6 COC	L		1 QT/A		18J							
7 FIRSTRATE	84 W		0.016 LB	A/A	18J	0	85	0	93	0	97	
7 V-10117	1.88 EC		0.118 LB	A/A	18J							
7 COC	L		1 QT/A		18J							
8 BASAGRAN	4 E		0.75 LB	A/A	18J	0	90	0	95	0	95	
8 SELECT	2 EC		0.156 LB	A/A	18J							
8 COC	L		1 QT/A		18J							
9 BASAGRAN	4 E		0.75 LB	A/A	18J	0	88	0	97	0	97	
9 V-10117	1.88 EC		0.147 LB	A/A	18J							
LSD (P=.05)						4.6	4.3	2.3	4.2	0.0	4.4	
Standard Deviation						2.6	2.5	1.3	2.4	0.0	2.5	
CV						79.06	3.22	79.06	2.85	0.0	2.95	

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

SOYBEAN POSTEMERGENCE JOHNSONGRASS

Trial ID: S3025
Location: LEXINGTON, KY

Study Dir.: CHARLES H.SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4403
Planting Date: 05-13-03 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-21-03

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

APPLICATION DESCRIPTION

A

Application Date: 06-23-03
Time of Day: 3:00
Application Method: SPRAY
Application Timing: 18J
Applic. Placement: BROFOL
Air Temp., Unit: 70 F
% Relative Humidity: 63
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 77 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

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SOYBEAN POSTEMERGENCE JOHNSONGRASS

Trial ID: S3025
Location: LEXINGTON, KY

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

CROP STAGE AT EACH APPLICATION**A**

Crop 1 Code, Stage: GLXMA 18J
Height, Unit: 8 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: 30 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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BURLEY TOBACCO

Trial ID: T2001
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	NIOTA PERCENT	SETFA PERCENT	AMACH PERCENT
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	CHECK UNTREATED						3	92	93
LSD (P=.05)							8.1	5.7	4.1
Standard Deviation							4.7	3.3	2.4
CV							235.7	3.64	2.52

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Weed Science Field Research

BURLEY TOBACCO

Trial ID: T2001
Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK
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:** 04-22-03
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: NIOTA TOBACCO, BURLEY **Variety:** NC-3
Planting Date: 05-30-03 **Planting Method:** SET
Rate: 7474 P/A **Depth:** 2 IN
Row Spacing: 40 IN **Seed Bed:** VERY FINE
Soil Temperature: 64 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 **Unit:** MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-30-03	05-30-03	06-20-03
Time of Day:	10:00	10:30	1:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PPI	PRT	LAYBY
Applic. Placement:	SURFAC	BROSOI	BROFOL
Air Temp., Unit:	70 F	70 F	70 F
% Relative Humidity:	65	65	67
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	64 F	64 F	71 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	20	10

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

BURLEY TOBACCO

Trial ID: T2001
Location: LEXINGTON, KY.

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

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	NIOTA PPI	NIOTA PRT	NIOTA LAYBY
Height, Unit:			8 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PPI	SETFA PRT	SETFA LAYBY
Density, Unit:			4 IN
Weed 2 Code, Stage:	AMACH PPI	AMACH PRT	AMACH LAYBY
Density, Unit:			3 IN

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:	6.66 FT	6.66 FT	6.66 FT
Boom Height, Unit:	24 IN	24 IN	36 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