



Plant and Soil Sciences

2006

Herbicide Evaluation Trials

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The following trials were conducted in corn and soybeans 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>
A14972A	S-METOLACHLOR + FOMESAFEN	SYNGENTA
AE-F039866		BAYER
AE-0172747 (Laudis)	TEMBOTRIONE	BAYER
AGRIDEX	CROP OIL CONCENTRATE	HELENA
AATREX	ATRAZINE	SYNGENTA
ACCENT	NICOSULFURON	DUPONT
ACTIVATOR 90	SURFACTANT	LOVELAND
AIM	CARFENTRAZONE	FMC
AMS	AMMONIUM SULFATE	CLEAN CROP
ARROW	CLETHODIM	MANA
BALANCE PRO	ISOXAFLUTOLE	BAYER
BANVEL	DICAMBA	MICRO FLO
BASAGRAN	BENTAZON	BASF
BICEP II MAGNUM	S-METOLACHLOR + ATRAZINE + BENOXACOR	SYNGENTA
BICEP LITE II MAGNUM	S-METOLACHLOR + ATRAZINE + BENOXACOR	SYNGENTA
BOUNDARY	S-METOLACHLOR + METRIBUZIN	SYNGENTA
BUCTRIL/ATRA	BROMOXYNIL + ATRAZINE	BAYER
CALLISTO	MESOTRIONE	SYNGENTA
CAMIX	S-METOLACHLOR + MESOTRIONE + BENOXACOR	SYNGENTA
CANOPY	METRIBUZIN + CHLORIMURON ETHYL	DUPONT
CANOPY EX	CHLORIMURON + TRIBENURON	DUPONT
CANOPY XL	CHLORIMURON + SULFENTRAZONE (1:5 RATIO)	DUPONT
CINCH ATZ	S-METOLACHLOR + ATRAZINE + BENOXACOR	DUPONT
CLARITY	DIGLYCOLAMINE SALT OF DICAMBA	BASF
CLASSIC	CHLORIMURON	DUPONT
COBRA	LACTOFEN	VALENT
CROP OIL CONCENTRATE (COC)		LOVELAND
DEFINE SC	FLUFENACET	BAYER
DEGREE XTRA	ACETOCHLOR + ATRAZINE	MONSANTO
DISTINCT	DIFLUFENZOPYR/SODIUM SALT OF 3,6 O-ANISIC ACID	BASF
DUAL II MAGNUM	S-METOLACHLOR + BENOXACOR	SYNGENTA
EXPERT	ATRAZINE + S-METOLACHLOR + GLYPHOSATE	SYNGENTA
EXPRESS	TRIBENURON METHYL	DUPONT
EXTREME	IMAZETHAPYR + GLYPHOSATE	BASF
FIRSTRATE	CLORANSULAM	DOW AGROSCIENCE

HERBICIDES IN REPORT CONTINUED

<u>TRADE NAME</u>	<u>COMMON NAME</u>	<u>COMPANY</u>
FLEXSTAR	FOMESAFEN + SURFACTANT	SYNGENTA
FUSION	FLUAZIFOP-P-BUTYL + FENOXAPROP-P-ETHYL	SYNGENTA
GF 1834		DOW AGROSCIENCE
GLYFOS XTRA	GLYPHOSATE	CHEMINOVA
GLYPHOMAX XRT	GLYPHOSATE	DOW AGROSCIENCE
GRAMOXONE INTEON	PARAQUAT	SYNGENTA
GRAMOXONE MAX	PARAQUAT	SYNGENTA
GUARDSMAN MAX	DIMETHENAMID-P + ATRAZINE	BASF
HARMONY GT	THIFENSULFURON	DUPONT
HARNESS	ACETOCHLOR	MONSANTO
HARNESS EXTRA	ACETOCHLOR + ATRAZINE + MON13900	MONSANTO
HORNET	FLUMETSULAM + CLOPYRALID	DOW AGROSCIENCE
IMPACT	TOPRAMEZONE	AMVC
INTRRO	ALACHLOR	MONSANTO
INDUCE	SURFACTANT	HELENA
KEYSTONE	ACETOCHLOR + ATRAZINE	DOW AGROSCIENCE
KIH-485	KIH-485	KUMIAI CHEMICAL
KIH-485/ATRAZINE	KIH-485 + ATRAZINE	KUMIAI CHEMICAL
LEXAR	S-METOLACHLOR + MESOTRIONE + ATRAZINE	SYNGENTA
LIBERTY	GLUFOSINATE-AMMONIUM	BAYER
LIGHTNING	IMAZETHAPYR + IMAZAPYR	BASF
LINEX	LINURON	GRIFFIN
LIQUID N	28% NITROGEN	
LOROX	LINURON	GRIFFIN
LOROX PLUS	CHLORIMURON + METRIBUZIN	GRIFFIN
LUMAX	S-METOLACHLOR + MESOTRIONE + ATRAZINE	SYNGENTA
MSO	METHYLATED SEED OIL	LOVELAND
OPTION	FORAMSULFURON	BAYER
OPTION CORN HERBICIDE	FORAMSULFURON	BAYER
OUTLOOK	DIMETHENAMID-P	BASF
PREFIX	S-METOLACHLOR + BENOXACOR	SYNGENTA
PREVIEW	CHLORIMURON + METRIBUZIN	DUPONT
PRINCEP	SIMAZINE	SYNGENTA
PROWL H2O	PENDIMETHALIN	BASF
PURSUIT	IMAZETHAPYR	BASF
PYTHON	FLUMETSULAM	DOW AGROSCIENCE
RADIUS	ISOXAFLUTOLE + FLUFENACET	BAYER
RAPTOR	IMAZAMOX	BASF

HERBICIDES IN REPORT CONTINUED

TRADE NAME

RESOLVE
RESOURCE
ROUNDUP ORINGINAL MAX
ROUNDUP WEATHER MAX
SCEPTER
SELECT MAX
SENCOR
SEQUENCE
SPARTAN
SPIRIT
STALWART XTRA
STEADFAST
STOUT
SURPASS
SYNCHRONY XP
TOUCHDOWN Total
ULTRA BLAZER
VALOR SX
WEEDONE LV4

COMMON NAME

RIMSULFURON
FLUMICLORAC PENTYL
GLYPHOSATE (POTASSIUM SALT)
GLYPHOSATE + ADJUVANT (POTASSIUM SALT)
IMAZAQUIN
CLETHODIM
METRIBUZIN
GLYPHOSATE + S-METOLACHLOR
SULFENTRAZONE
PRIMISULFURON + PROSULFURON
METOLACHLOR + ATRAZINE
NICOSULFURON + RIMSULFURON
NICOSULFURON + THIFENSULFURON-METHYL
ACETOCHLOR
CHLORIMURON + THIFENSULFURON
GLYPHOSATE
ACIFLUORFEN
FLUMIOXAZIN (V-53482)
2,4-D ESTER

COMPANY

DUPONT
VALENT
MONSANTO
MONSANTO
BASF
VALENT
BAYER
SYNGENTA
FMC
SYNGENTA
SIPCAM
DUPONT
DUPONT
DOW AGROSCIENCE
DUPONT
SYNGENTA
UNITED PHOSPHORUS
VALENT
NUFARM AMERICAS INC

DEFINITIONS FOR METHODS OF APPLICATION

PREEMERGENCE

4WK	4 WEEKS BEFORE PLANTING
2WK	2 WEEKS BEFORE PLANTING
1WK	1 WEEK BEFORE PLANTING
PRE	PREEMERGENCE

POSTEMERGENCE

EP	EARLY POSTEMERGENCE WEEDS 0-2"
MP	MID-POSTEMERGENCE WEEDS 2-4"
LP	LATE POSTEMERGENCE WEEDS 4-6"
LLP	LATE LATE POSTEMERGENCE WEEDS 8-12"
4W	4 INCH WEEDS
5W	5 INCH WEEDS
SPK	CORN STARTING TO EMERGE
5C	5 INCH CORN
14C	14 INCH CORN
30C	30 INCH CORN
V3	10 INCH CORN, 5LF
V4	12 INCH CORN,
V8	24 INCH CORN
2WAP	2 WEEKS AFTER PLANTING
3WAP	3 WEEKS AFTER PLANTING
4WAP	4 WEEKS AFTER PLANTING
+15D	15 DAYS AFTER PLANTING
+21D	21 DAYS AFTER PLANTING
+30D	30 DAYS AFTER PLANTING

ABBREVIATIONS

Crop and Weed Species

<u>ABB</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
ABUTH	Velvetleaf	<i>Abutilon theophrasti</i>
AMBEL	Common Ragweed	<i>Ambrosia artemisiifolia</i>
AMBTR	Giant Ragweed	<i>Ambrosia trifida</i>
CHEAL	Common Lambsquarters	<i>Chenopodium album</i>
GLYMA	Soybean	<i>Glycine max</i>
IPOSS	Morningglory	<i>Ipomoea ssp.</i>
MUHSC	Nimblewill	<i>Muhlenbergia schreberi</i>
SETFA	Giant Foxtail	<i>Setaria faberi</i>
STEME	Common Chickweed	<i>Stellaria media</i>
TAROF	Common Dandelion	<i>Taraxcum officinale</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	BARE	MX	MN	
04-01-2006	67	46	56	0.02	100	55	55	51	61	53	
04-02-2006	75	41	58	0.22	100	44	55	50	60	51	
04-03-2006	63	41	52		100	57	55	51	58	52	
04-04-2006	58	37	48		100	29	53	49	56	49	
04-05-2006	61	38	50		65	27	53	48	57	47	
04-06-2006	57	43	50	0.40	100	45	51	49	53	50	
04-07-2006	73	56	64	0.24	100	59	55	50	60	52	
04-08-2006	55	35	45	0.01	100	44	55	51	58	52	
04-09-2006	54	29	42		100	38	53	48	58	47	
04-10-2006	69	33	51		100	24	54	48	60	49	
04-11-2006	75	47	61		60	31	56	50	61	52	
04-12-2006	74	61	68		76	36	57	53	62	56	
04-13-2006	79	59	69	0.02	100	31	62	56	68	58	
04-14-2006	83	62	72	0.03	100	37	63	58	68	61	
04-15-2006	82	65	74		83	50	65	60	70	62	
04-16-2006	77	63	70	0.07	100	52	64	61	70	64	
04-17-2006	67	50	58	0.42	100	67	63	61	67	64	
04-18-2006	71	43	57		100	44	62	58	68	58	
04-19-2006	74	51	62	0.27	100	36	63	58	70	60	
04-20-2006	70	51	60	0.08	100	52	61	58	65	61	
04-21-2006	64	58	61	0.67	100	100	61	59	63	61	
04-22-2006	73	55	64		100	45	64	60	70	61	
04-23-2006	72	54	63	0.03	100	36	64	60	69	62	
04-24-2006	74	55	64	0.01	100	33	65	61	71	63	
04-25-2006	74	47	60	0.21	100	74	63	60	67	62	
04-26-2006	59	41	50		100	53	61	59	64	59	
04-27-2006	66	39	52		97	29	61	57	67	57	
04-28-2006	70	42	56		100	32	62	56	69	58	
04-29-2006	67	52	60		82	46	61	58	65	60	
04-30-2006	66	52	59	0.82	100	53	60	58	63	60	

AIR TEMP			TOTAL	RH		SOIL TEMP				TOTAL
MX	MN	AV	PRECIP	MX	MN	GRASS	BARE	MX	MN	EVAP
69	48	59	3.52	95	45	59	55	64	57	

(Deviation from normal) 4 +3 +3 -0.36

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

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
05-01-2006	71	53	62		100	52	62	57	67	59	
05-02-2006	69	55	62	0.24	100	72	62	59	67	61	
05-03-2006	77	51	64		100	47	64	58	71	60	
05-04-2006	76	58	67		100	60	65	61	71	64	
05-05-2006	71	56	64		100	42	65	62	71	65	
05-06-2006	65	49	57		100	45	65	60	71	63	
05-07-2006	59	50	54	0.01	100	65	62	60	66	63	
05-08-2006	68	49	58		100	56	64	59	69	61	
05-09-2006	74	48	61		100	54	65	59	70	62	
05-10-2006	69	61	65	0.30	100	100	64	63	67	65	
05-11-2006	65	48	56	0.16	100	57	63	60	65	62	
05-12-2006	59	49	54	0.09	100	60	60	58	62	59	
05-13-2006 E	68	49	58	0.02	96	43	63	59			
05-14-2006	57	45	51	0.07	100	65	59	57	62	58	
05-15-2006	56	45	50	0.03	100	94	58	57	62	58	
05-16-2006	65	44	54	0.23	100	60	59	56	63	57	
05-17-2006	67	51	59		100	59	62	58	66	60	
05-18-2006	65	45	55	0.53	100	42	62	59	66	61	
05-19-2006	69	44	56	0.11	100	37	62	57	66	59	
05-20-2006	68	50	59		100	37	66	60	70	62	
05-21-2006	76	47	62		100	47	67	60	71	62	
05-22-2006	68	48	58		67	31	68	62	72	63	
05-23-2006	70	43	56		99	33	68	60	71	62	
05-24-2006	78	45	62	0.02	100	29	68	61	71	62	
05-25-2006	80	61	70	1.09	100	63	70	65	73	66	
05-26-2006	81	64	72	0.01	100	51	70	67	73	68	
05-27-2006	84	62	73		100	47	73	67	76	68	
05-28-2006	88	65	76		100	44	75	69	79	70	
05-29-2006	89	63	76		100	40	76	70	80	71	
05-30-2006	91	69	80		100	35	78	72	81	73	
05-31-2006	90	64	77	0.08	100	40	77	72	80	73	

	AIR TEMP			TOTAL	RH		SOIL TEMP				TOTAL
	MX	MN	AV	PRECIP	MX	MN	GRASS	BARE	MX	MN	EVAP
	72	53	62	2.99	99	52	66	61	70	63	
(Deviation from normal)	-4	-2	-3	-1.48							

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"E" indicates data estimated by NWS.

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JUNE CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	MN	BARE	MX	
06-01-2006	80	66	73		100	66	75	73	77	74	
06-02-2006	72	58	65	0.23	100	100	73	70	74	71	
06-03-2006	78	52	65		100	46	73	67	77	68	
06-04-2006	74	56	65		100	45	72	68	76	69	
06-05-2006	75	49	62		100	34	72	66	77	67	
06-06-2006	82	53	68		100	31	72	66	76	67	
06-07-2006	75	61	68		100	51	70	68	72	69	
06-08-2006	76	59	68		100	58	71	67	74	68	
06-09-2006	82	59	70		100	36	72	67	77	68	
06-10-2006	72	58	65	0.31	100	65	71	68	74	69	
06-11-2006	67	58	62	0.41	100	100	69	67	72	69	
06-12-2006	72	58	65		100	46	71	67	76	68	
06-13-2006	75	54	64		100	49	72	66	76	68	
06-14-2006	79	58	68		100	43	73	67	77	69	
06-15-2006	80	60	70		100	38	74	68	78	69	
06-16-2006	84	60	72		97	32	74	68	78	69	
06-17-2006	88	63	76		86	49	75	69	79	71	
06-18-2006	82	68	75	0.26	100	50	73	71	76	73	
06-19-2006	83	62	72	0.15	100	58	75	71	79	72	
06-20-2006	87	62	74		100	42	76	71	81	72	
06-21-2006	89	70	80		100	50	78	73	81	74	
06-22-2006	91	68	80	0.22	100	50	79	74	83	76	
06-23-2006	81	67	74	0.13	100	61	76	74	79	75	
06-24-2006	76	67	72	0.02	100	100	75	73	77	75	
06-25-2006	77	65	71		100	61	75	72	78	74	
06-26-2006	79	63	71		100	71	74	71	77	73	
06-27-2006	83	62	72		100	42	76	71	80	73	
06-28-2006	82	62	72		100	44	75	70	80	72	
06-29-2006	81	61	71	0.09	100	43	75	71	80	73	
06-30-2006	82	59	70		100	36	75	69	79	72	

AIR TEMP			TOTAL	RH		SOIL TEMP				TOTAL	
MX	MN	AV	PRECIP	MX	MN	GRASS	MN	BARE	MX	MN	EVAP
79	61	70	1.82	99	53	74	69	77	71		

(Deviation from normal) -3 -1 -2 -1.84

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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	
07-01-2006	90	63	76		100	40	77	70	81	73	
07-02-2006	92	74	83		71	34	78	73	82	75	
07-03-2006	92	73	82		79	38	79	74	83	76	
07-04-2006	91	70	80	0.86	100	45	79	75	83	77	
07-05-2006	74	61	68	0.38	100	62	75	73	78	75	
07-06-2006	75	56	66		100	43	75	70	78	71	
07-07-2006	77	55	66		100	43	75	69	79	71	
07-08-2006	81	57	69		100	43	76	69	80	71	
07-09-2006	81	61	71		100	50	74	70	80	73	
07-10-2006	86	66	76		100	49	76	71	82	73	
07-11-2006	83	69	76	0.89	100	70	75	73	79	75	
07-12-2006	83	72	78	0.25	100	74	75	73	79	76	
07-13-2006	84	71	78	0.20	100	100	76	74	80	76	
07-14-2006	88	70	79	1.56	100	64	78	74	84	76	
07-15-2006	88	69	78		100	48	80	75	84	77	
07-16-2006	91	68	80		100	45	81	76	85	78	
07-17-2006	92	67	80		100	40	81	76	85	78	
07-18-2006	92	69	80		100	47	81	77	86	79	
07-19-2006	93	70	82		100	46	82	77	86	79	
07-20-2006	90	73	82		100	55	81	78	85	80	
07-21-2006	87	66	76	0.88	100	67	80	77	84	79	
07-22-2006	77	66	72	0.04	100	65	77	76	80	77	
07-23-2006	81	62	72		100	43	78	74	81	75	
07-24-2006	84	60	72		100	43	78	73	81	75	
07-25-2006	86	63	74		100	43	79	74	82	75	
07-26-2006	86	66	76		100	53	78	74	81	76	
07-27-2006	87	75	81		100	57	78	76	81	77	
07-28-2006	84	71	78	0.07	100	69	77	76	79	77	
07-29-2006	84	69	76		100	100	77	75	79	77	
07-30-2006	89	71	80		100	55	80	75	83	76	
07-31-2006	94	69	82		100	45	81	76	84	77	

	AIR TEMP			TOTAL	RH		SOIL TEMP				TOTAL
	MX	MN	AV	PRECIP	MX	MN	GRASS	MN	BARE	MN	EVAP
	86	67	76	5.13	98	54	78	74	82	76	
(Deviation from normal)	0	+2	+1	+0.13							

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AUGUST CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	MX	MN	MX	MN	
08-01-2006	92	74	83		100	52	82	77	84	79	
08-02-2006	93	75	84		100	51	82	78	84	80	
08-03-2006	93	77	85		100	42	81	78	85	80	
08-04-2006	83	68	76		100	45	81	78	83	80	
08-05-2006	88	63	76		100	42	79	74	84	77	
08-06-2006	93	71	82		100	47	81	76	84	78	
08-07-2006	93	75	84		100	45	81	77	85	80	
08-08-2006	84	72	78	0.39	100	66	80	77	82	80	
08-09-2006	82	70	76		100	100	78	76	81	78	
08-10-2006	92	69	80	1.23	100	56	80	76	83	78	
08-11-2006	73	69	71	0.16	100	100	76	75	79	77	
08-12-2006	82	64	73		100	58	77	74	79	75	
08-13-2006	85	64	74		100	60	77	74	80	76	
08-14-2006	84	69	76		100	62	77	75	79	77	
08-15-2006	81	65	73	0.09	100	46	77	75	79	77	
08-16-2006	84	58	71		100	42	76	72	78	73	
08-17-2006	89	63	76		100	56	77	72	79	74	
08-18-2006	88	70	79		100	70	78	74	79	76	
08-19-2006	83	71	77	0.23	100	100	77	75	79	77	
08-20-2006	81	65	73	0.48	100	76	76	74	78	76	
08-21-2006	82	59	70		100	51	75	72	77	74	
08-22-2006	82	60	71		100	42	75	71	77	73	
08-23-2006	87	59	73		100	38	75	70	77	72	
08-24-2006	88	59	74		100	38	75	70	77	72	
08-25-2006	89	64	76		100	44	75	71	77	73	
08-26-2006	88	71	80		100	55	76	72	78	75	
08-27-2006	88	72	80		100	64	77	74	80	76	
08-28-2006	81	72	76	0.48	100	100	76	75	78	77	
08-29-2006	85	70	78		100	64	77	74	78	76	
08-30-2006	75	68	72	0.17	100	100	75	74	77	76	
08-31-2006	77	67	72		100	100	74	73	76	75	

	AIR TEMP			TOTAL	RH		SOIL TEMP				TOTAL
	MX	MN	AV	PRECIP	MX	MN	MX	MN	MX	MN	EVAP
	85	68	76	3.23	100	62	78	74	80	76	
(Deviation from normal)	+1	+5	+3	-0.70							

Data if used for legal purposes must be certified by NCDC,
 National Climate Data Center (Phone 828/271-4800)
www.wagwx.ca.uky.edu/

SEPTEMBER CLIMATOLOGICAL DATA, SPINDLETOP

DATE	AIR TEMP			PRECIP	RH		SOIL TEMP				EVAP
	MX	MN	AV		MX	MN	GRASS	BARE	MX	MN	
09-01-2006	68	59	64	0.01	100	100	74	71	76	73	
09-02-2006	65	57	61		100	100	71	69	73	71	
09-03-2006	73	57	65		100	57	71	68	73	70	
09-04-2006	69	54	62		100	100	69	67	71	69	
09-05-2006	78	60	69		100	54	71	68	73	69	
09-06-2006	76	53	64		100	55	70	66	72	68	
09-07-2006	80	55	68		100	45	70	65	72	67	
09-08-2006	83	54	68		100	43	70	65	72	67	
09-09-2006	84	58	71		100	44	70	66	73	68	
09-10-2006	81	60	70	1.03	100	59	69	67	72	69	
09-11-2006	79	65	72	0.13	100	99	70	68	72	70	
09-12-2006	73	63	68	1.02	100	100	69	68	71	70	
09-13-2006	70	57	64	0.15	100	64	68	67	71	69	
09-14-2006	72	58	65	0.01	100	98	68	66	70	69	
09-15-2006	75	56	66		100	56	69	66	71	68	
09-16-2006	79	51	65		100	52	69	65	72	67	
09-17-2006	83	59	71		100	41	70	67	73	68	
09-18-2006	74	58	66	0.19	100	67	70	68	72	70	
09-19-2006	67	53	60		100	56	69	67	71	68	
09-20-2006	60	46	53		100	54	66	63	68	64	
09-21-2006	66	41	54		100	48	63	60	66	61	
09-22-2006	71	55	63	1.59	100	87	63	61	65	63	
09-23-2006	76	64	70	3.56	100	100	66	64	68	66	
09-24-2006	74	59	66	0.01	100	49	68	66	70	67	
09-25-2006	70	53	62		100	48	67	65	69	66	
09-26-2006	73	52	62		100	44	66	63	69	64	
09-27-2006	76	56	66	0.45	100	44	67	63	69	65	
09-28-2006	59	47	53	1.01	100	60	65	63	67	64	
09-29-2006	61	42	52	0.06	100	46	63	60	64	61	
09-30-2006	68	52	60	0.05	100	58	62	61	64	62	

	AIR TEMP			TOTAL	RH		SOIL TEMP				TOTAL
	MX	MN	AV	PRECIP	MX	MN	GRASS	BARE	MX	MN	EVAP
	73	55	64	9.27	100	64	68	65	70	67	
(Deviation from normal)	-5	-0	-3	+6.07							

Data if used for legal purposes must be certified by NCDC,
 National Climate Data Center (Phone 828/271-4800)
www.wagwx.ca.uky.edu/

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	XANST	CHEAL
Pest Name		Giant foxtail	Common cocklebur	Lambsquarters, common
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Name	Corn			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Growth Stage	1	2	3	4
1	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	92	99
2	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	95	99
2	CALLISTO	4	3	FL OZ/A	EP				
2	AATREX	4	0.5	QT/A	EP				
3	LEXAR	3.7	3	QT/A	PRE	0	99	93	99
4	LEXAR	3.7	2.25	LB A/A	PRE	0	99	93	99
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
4	AMS		3.7	% V/V	EP				
5	LEXAR	3.7	2.25	LB A/A	LP	0	99	99	99
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
5	AMS		3.7	% V/V	LP'				
6	LUMAX	3.94	2.5	QT/A	PRE	0	99	95	99
6	AATREX	4	1	QT/A	PRE				
7	STALWART XTRA	5.5	2.1	QT/A	PRE	0	99	99	99
7	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP				
7	AMS		3.7	% V/V	LP				
8	STALWART XTRA	5.5	1.4	QT/A	PRE	0	99	99	99
8	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP				
8	AMS		3.7	% V/V	LP				
9	STALWART XTRA	5.5	2.1	QT/A	EP	0	99	92	99
9	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP				
9	AMS		3.7	% V/V	EP				
10	STALWART XTRA	5.5	2.1	QT/A	EP	0	99	93	99
10	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP				
10	CLARITY	4	4	FL OZ/A	EP				
10	AMS		3.7	% V/V	EP				
11	KEYSTONE	5.25	2.65	QT/A	PRE	0	98	95	99
11	HORNET	68.5	3	OZ/A	PRE				
12	SURPASS	6.4	2.6	PT/A	PRE	0	99	99	99
12	HORNET	68.5	3	OZ/A	MP				
12	AATREX	4	8	OZ/A	MP				
12	CALLISTO	4	0.75	OZ/A	MP				
12	COC		1	% V/V	MP				
12	AMS	100	2.5	LB A/A	MP				
13	SURPASS	6.4	2.6	PT/A	PRE	0	99	99	99
13	HORNET	68.5	3	OZ/A	MP				
13	IMPACT	2.8	0.25	OZ/A	MP				
13	AATREX	4	8	OZ/A	MP				
13	MSO		1	% V/V	MP				
13	AMS	100	2.5	LB A/A	MP				
14	KEYSTONE	5.25	1.97	LB A/A	PRE	0	99	99	99
14	GLYPHOMAX XRT	5.4	24	FL OZ/A	MP				
14	AMS		2.5	LB A/A	MP				

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	XANST	CHEAL
Pest Name		Giant foxtail	Common cocklebur	Lambsquarters, common
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Name	Corn			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Growth Stage	1	2	3	4
15	GF-1834	4.073	1.75	LB A/A	PRE	0	99	99	99
15	GLYPHOMAX XRT	5.4	24	FL OZ/A	MP				
15	AMS		2.5	LB A/A	MP				
16	HORNET	68.5	2	OZ/A	EP	0	93	89	98
16	GLYPHOMAX XRT	5.4	24	FL OZ/A	EP				
16	AMS		2.5	LB A/A	EP				
17	BICEP II MAGNUM	5.5	2.1	LB A/A	PRE	0	99	99	99
17	IMPACT	2.8	0.016	LB A/A	MP				
17	AATREX	4	0.5	LB A/A	MP				
17	MSO		1	% V/V	MP				
17	LIQUID N		2.5	% V/V	MP				
18	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	0	99	99	99
18	IMPACT	2.8	0.016	LB A/A	MP				
18	AATREX	4	0.5	LB A/A	MP				
18	MSO		1	% V/V	MP				
18	LIQUID N		2.5	% V/V	MP				
19	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	0	99	99	99
19	CALLISTO	4	0.094	LB A/A	MP				
19	AATREX	4	0.25	LB A/A	MP				
19	COC		1	% V/V	MP				
19	LIQUID N		2.5	% V/V	MP				
20	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	0	99	99	99
20	AE 0172747	3.5	3	OZ/A	MP				
20	AATREX	4	0.5	LB A/A	MP				
20	AGRIDEX		1	% V/V	MP				
20	LIQUID N		2.5	% V/V	MP				
21	DUAL II MAGNUM	7.64	1.33	PT/A	PRE	0	99	99	99
21	IMPACT	2.8	0.016	LB A/A	MP				
21	AATREX	4	0.5	LB A/A	MP				
21	MSO		1	% V/V	MP				
21	LIQUID N		2.5	% V/V	MP				
22	DUAL II MAGNUM	7.64	1.33	PT/A	PRE	0	99	99	99
22	CALLISTO	4	0.094	LB A/A	MP				
22	AATREX	4	0.5	LB A/A	MP				
22	MSO		1	% V/V	MP				
22	LIQUID N		2.5	% V/V	MP				
23	DEFINE	60	21	OZ/A	PRE	0	99	99	99
23	AE 0172747	3.5	3	OZ/A	MP				
23	AATREX	4	0.5	LB A/A	MP				
23	AGRIDEX		1	% V/V	MP				
23	LIQUID N		2.5	% V/V	MP				
24	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	0	96	89	99
LSD (P=.05)						0.0	3.8	2.6	0.8
Standard Deviation						0.0	2.3	1.6	0.5
CV						0.0	2.34	1.65	0.48
Grand Mean						0.0	98.57	96.35	98.94

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	XANST	CHEAL
Pest Name		Giant foxtail	Common cocklebur	Lambsquarters, common
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Name	Corn			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	1	2	3	4
Replicate F					0.000	1.666	4.600	1.000
Replicate Prob(F)					1.0000	0.2002	0.0151	0.3757
Treatment F					0.000	1.094	14.706	1.000
Treatment Prob(F)					1.0000	0.3864	0.0001	0.4839

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed			
Pest Code		IPOSS		SETFA		XANST			
Pest Name		Morning glory		Giant foxtail		Common cocklebur			
Crop Code		ZEAMX							
BBCH Scale		BCOR							
Crop Name		Corn							
Rating Data Type		CONTROL		INJURY		CONTROL			
Rating Unit		PERCENT		PERCENT		PERCENT			
Trt-Eval Interval		2 WEEK		4 WEEK		4 WEEK			
ARM Action Codes		P		P		P			
Number of Decimals		0		0		0			
Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Growth Stage	5	6	7	8
1	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	93	0	99	75
2	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	96	0	99	88
2	CALLISTO	4	3	FL OZ/A	EP				
2	AATREX	4	0.5	QT/A	EP				
3	LEXAR	3.7	3	QT/A	PRE	95	0	99	82
4	LEXAR	3.7	2.25	LB A/A	PRE	93	0	99	84
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
4	AMS		3.7	% V/V	EP				
5	LEXAR	3.7	2.25	LB A/A	LP	99	0	99	93
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
5	AMS		3.7	% V/V	LP'				
6	LUMAX	3.94	2.5	QT/A	PRE	95	0	99	85
6	AATREX	4	1	QT/A	PRE				
7	STALWART XTRA	5.5	2.1	QT/A	PRE	98	0	99	96
7	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP				
7	AMS		3.7	% V/V	LP				
8	STALWART XTRA	5.5	1.4	QT/A	PRE	99	0	99	96
8	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP				
8	AMS		3.7	% V/V	LP				
9	STALWART XTRA	5.5	2.1	QT/A	EP	92	0	99	80
9	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP				
9	AMS		3.7	% V/V	EP				
10	STALWART XTRA	5.5	2.1	QT/A	EP	92	0	99	82
10	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP				
10	CLARITY	4	4	FL OZ/A	EP				
10	AMS		3.7	% V/V	EP				
11	KEYSTONE	5.25	2.65	QT/A	PRE	92	0	98	85
11	HORNET	68.5	3	OZ/A	PRE				
12	SURPASS	6.4	2.6	PT/A	PRE	99	0	99	99
12	HORNET	68.5	3	OZ/A	MP				
12	AATREX	4	8	OZ/A	MP				
12	CALLISTO	4	0.75	OZ/A	MP				
12	COC		1	% V/V	MP				
12	AMS	100	2.5	LB A/A	MP				
13	SURPASS	6.4	2.6	PT/A	PRE	99	0	99	96
13	HORNET	68.5	3	OZ/A	MP				
13	IMPACT	2.8	0.25	OZ/A	MP				
13	AATREX	4	8	OZ/A	MP				
13	MSO		1	% V/V	MP				
13	AMS	100	2.5	LB A/A	MP				
14	KEYSTONE	5.25	1.97	LB A/A	PRE	95	0	98	96
14	GLYPHOMAX XRT	5.4	24	FL OZ/A	MP				
14	AMS		2.5	LB A/A	MP				

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Trt Treatment No. Name	Form Conc	Rate	Rate Unit	Growth Stage	W Weed IPOSS Morning glory	W Weed SETFA Giant foxtail	W Weed XANST Common cocklebur
15 GF-1834	4.073	1.75	LB A/A	PRE	99	0	96
15 GLYPHOMAX XRT	5.4	24	FL OZ/A	MP			
15 AMS		2.5	LB A/A	MP			
16 HORNET	68.5	2	OZ/A	EP	87	0	83
16 GLYPHOMAX XRT	5.4	24	FL OZ/A	EP			
16 AMS		2.5	LB A/A	EP			
17 BICEP II MAGNUM	5.5	2.1	LB A/A	PRE	99	0	99
17 IMPACT	2.8	0.016	LB A/A	MP			
17 AATREX	4	0.5	LB A/A	MP			
17 MSO		1	% V/V	MP			
17 LIQUID N		2.5	% V/V	MP			
18 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	98	0	99
18 IMPACT	2.8	0.016	LB A/A	MP			
18 AATREX	4	0.5	LB A/A	MP			
18 MSO		1	% V/V	MP			
18 LIQUID N		2.5	% V/V	MP			
19 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	98	0	99
19 CALLISTO	4	0.094	LB A/A	MP			
19 AATREX	4	0.25	LB A/A	MP			
19 COC		1	% V/V	MP			
19 LIQUID N		2.5	% V/V	MP			
20 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	96	0	99
20 AE 0172747	3.5	3	OZ/A	MP			
20 AATREX	4	0.5	LB A/A	MP			
20 AGRIDEX		1	% V/V	MP			
20 LIQUID N		2.5	% V/V	MP			
21 DUAL II MAGNUM	7.64	1.33	PT/A	PRE	98	0	99
21 IMPACT	2.8	0.016	LB A/A	MP			
21 AATREX	4	0.5	LB A/A	MP			
21 MSO		1	% V/V	MP			
21 LIQUID N		2.5	% V/V	MP			
22 DUAL II MAGNUM	7.64	1.33	PT/A	PRE	99	0	99
22 CALLISTO	4	0.094	LB A/A	MP			
22 AATREX	4	0.5	LB A/A	MP			
22 MSO		1	% V/V	MP			
22 LIQUID N		2.5	% V/V	MP			
23 DEFINE	60	21	OZ/A	PRE	98	0	99
23 AE 0172747	3.5	3	OZ/A	MP			
23 AATREX	4	0.5	LB A/A	MP			
23 AGRIDEX		1	% V/V	MP			
23 LIQUID N		2.5	% V/V	MP			
24 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	86	0	96
LSD (P=.05)					4.4	0.0	6.9
Standard Deviation					2.7	0.0	4.2
CV					2.8	0.0	4.27
Grand Mean					95.53	0.0	98.11

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	IPOSS	SETFA	XANST
Pest Name	Morning glory	Giant foxtail	Common cocklebur
Crop Code		ZEAMX	
BBCH Scale		BCOR	
Crop Name		Corn	
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt Treatment No. Name	Form Conc	Rate	Rate Unit	Growth Stage	5	6	7	8
Replicate F					2.470	0.000	1.667	4.021
Replicate Prob(F)					0.0958	1.0000	0.2000	0.0246
Treatment F					6.069	0.000	1.841	17.984
Treatment Prob(F)					0.0001	1.0000	0.0390	0.0001

Plant and Soil Science, U of KY
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CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	CHEAL	IPOSS	SETFA					
Pest Name	Lambsquarters, common Morning glory		Giant foxtail					
Crop Code	ZEAMX							
BBCH Scale	BCOR							
Crop Name	Corn							
Rating Data Type	CONTROL	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				
Number of Decimals	0	0	0	0				
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage				
				9				
				10				
				11				
				12				
1 BICEP II MAGNUM	5.5	2.1	QT/A	PRE	99	78	0	99
2 BICEP II MAGNUM	5.5	2.1	QT/A	PRE	99	91	0	98
2 CALLISTO	4	3	FL OZ/A	EP				
2 AATREX	4	0.5	QT/A	EP				
3 LEXAR	3.7	3	QT/A	PRE	99	84	0	99
4 LEXAR	3.7	2.25	LB A/A	PRE	99	85	0	99
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
4 AMS		3.7	% V/V	EP				
5 LEXAR	3.7	2.25	LB A/A	LP	99	95	0	99
5 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
5 AMS		3.7	% V/V	LP'				
6 LUMAX	3.94	2.5	QT/A	PRE	99	88	0	99
6 AATREX	4	1	QT/A	PRE				
7 STALWART XTRA	5.5	2.1	QT/A	PRE	99	92	0	99
7 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP				
7 AMS		3.7	% V/V	LP				
8 STALWART XTRA	5.5	1.4	QT/A	PRE	99	93	0	99
8 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP				
8 AMS		3.7	% V/V	LP				
9 STALWART XTRA	5.5	2.1	QT/A	EP	99	80	0	99
9 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP				
9 AMS		3.7	% V/V	EP				
10 STALWART XTRA	5.5	2.1	QT/A	EP	99	82	0	99
10 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP				
10 CLARITY	4	4	FL OZ/A	EP				
10 AMS		3.7	% V/V	EP				
11 KEYSTONE	5.25	2.65	QT/A	PRE	99	82	0	98
11 HORNET	68.5	3	OZ/A	PRE				
12 SURPASS	6.4	2.6	PT/A	PRE	99	93	0	99
12 HORNET	68.5	3	OZ/A	MP				
12 AATREX	4	8	OZ/A	MP				
12 CALLISTO	4	0.75	OZ/A	MP				
12 COC		1	% V/V	MP				
12 AMS	100	2.5	LB A/A	MP				
13 SURPASS	6.4	2.6	PT/A	PRE	99	93	0	99
13 HORNET	68.5	3	OZ/A	MP				
13 IMPACT	2.8	0.25	OZ/A	MP				
13 AATREX	4	8	OZ/A	MP				
13 MSO		1	% V/V	MP				
13 AMS	100	2.5	LB A/A	MP				
14 KEYSTONE	5.25	1.97	LB A/A	PRE	99	85	0	98
14 GLYPHOMAX XRT	5.4	24	FL OZ/A	MP				
14 AMS		2.5	LB A/A	MP				

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KYProtocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		CHEAL	IPOSS	SETFA	
Pest Name		Lambsquarters, common	Morning glory	Giant foxtail	
Crop Code				ZEAMX	
BBCH Scale				BCOR	
Crop Name				Corn	
Rating Data Type		CONTROL	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
Number of Decimals		0	0	0	0
Trt Treatment	Form	Rate	Growth		
No. Name	Conc	Rate	Unit	Stage	
15 GF-1834	4.073	1.75	LB A/A	PRE	
15 GLYPHOMAX XRT	5.4	24	FL OZ/A	MP	
15 AMS		2.5	LB A/A	MP	
16 HORNET	68.5	2	OZ/A	EP	
16 GLYPHOMAX XRT	5.4	24	FL OZ/A	EP	
16 AMS		2.5	LB A/A	EP	
17 BICEP II MAGNUM	5.5	2.1	LB A/A	PRE	
17 IMPACT	2.8	0.016	LB A/A	MP	
17 AATREX	4	0.5	LB A/A	MP	
17 MSO		1	% V/V	MP	
17 LIQUID N		2.5	% V/V	MP	
18 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	
18 IMPACT	2.8	0.016	LB A/A	MP	
18 AATREX	4	0.5	LB A/A	MP	
18 MSO		1	% V/V	MP	
18 LIQUID N		2.5	% V/V	MP	
19 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	
19 CALLISTO	4	0.094	LB A/A	MP	
19 AATREX	4	0.25	LB A/A	MP	
19 COC		1	% V/V	MP	
19 LIQUID N		2.5	% V/V	MP	
20 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	
20 AE 0172747	3.5	3	OZ/A	MP	
20 AATREX	4	0.5	LB A/A	MP	
20 AGRIDEX		1	% V/V	MP	
20 LIQUID N		2.5	% V/V	MP	
21 DUAL II MAGNUM	7.64	1.33	PT/A	PRE	
21 IMPACT	2.8	0.016	LB A/A	MP	
21 AATREX	4	0.5	LB A/A	MP	
21 MSO		1	% V/V	MP	
21 LIQUID N		2.5	% V/V	MP	
22 DUAL II MAGNUM	7.64	1.33	PT/A	PRE	
22 CALLISTO	4	0.094	LB A/A	MP	
22 AATREX	4	0.5	LB A/A	MP	
22 MSO		1	% V/V	MP	
22 LIQUID N		2.5	% V/V	MP	
23 DEFINE	60	21	OZ/A	PRE	
23 AE 0172747	3.5	3	OZ/A	MP	
23 AATREX	4	0.5	LB A/A	MP	
23 AGRIDEX		1	% V/V	MP	
23 LIQUID N		2.5	% V/V	MP	
24 BICEP II MAGNUM	5.5	1.05	QT/A	PRE	
LSD (P=.05)					
Standard Deviation					
CV					
Grand Mean					

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	IPOSS	SETFA
Pest Name	Lambsquarters, common	Morning glory	Giant foxtail
Crop Code			ZEAMX
BBCH Scale			BCOR
Crop Name			Corn
Rating Data Type	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	9	10	11	12
Replicate F					1.000	8.151	0.000	1.596
Replicate Prob(F)					0.3757	0.0009	1.0000	0.2138
Treatment F					1.000	7.745	0.000	1.525
Treatment Prob(F)					0.4839	0.0001	1.0000	0.1106

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KYProtocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	XANST	CHEAL	IPOSS
Pest Name	Common cocklebur Lambsquarters, common Morning glory		
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Growth Stage	13	14	15
1	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	73	99	67
2	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	85	99	84
2	CALLISTO	4	3	FL OZ/A	EP			
2	AATREX	4	0.5	QT/A	EP			
3	LEXAR	3.7	3	QT/A	PRE	80	99	80
4	LEXAR	3.7	2.25	LB A/A	PRE	80	99	80
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP			
4	AMS		3.7	% V/V	EP			
5	LEXAR	3.7	2.25	LB A/A	LP	93	99	93
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP			
5	AMS		3.7	% V/V	LP'			
6	LUMAX	3.94	2.5	QT/A	PRE	83	99	83
6	AATREX	4	1	QT/A	PRE			
7	STALWART XTRA	5.5	2.1	QT/A	PRE	96	99	83
7	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP			
7	AMS		3.7	% V/V	LP			
8	STALWART XTRA	5.5	1.4	QT/A	PRE	96	99	86
8	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP			
8	AMS		3.7	% V/V	LP			
9	STALWART XTRA	5.5	2.1	QT/A	EP	80	99	77
9	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP			
9	AMS		3.7	% V/V	EP			
10	STALWART XTRA	5.5	2.1	QT/A	EP	77	99	77
10	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	EP			
10	CLARITY	4	4	FL OZ/A	EP			
10	AMS		3.7	% V/V	EP			
11	KEYSTONE	5.25	2.65	QT/A	PRE	80	99	75
11	HORNET	68.5	3	OZ/A	PRE			
12	SURPASS	6.4	2.6	PT/A	PRE	98	99	85
12	HORNET	68.5	3	OZ/A	MP			
12	AATREX	4	8	OZ/A	MP			
12	CALLISTO	4	0.75	OZ/A	MP			
12	COC		1	% V/V	MP			
12	AMS	100	2.5	LB A/A	MP			
13	SURPASS	6.4	2.6	PT/A	PRE	96	99	88
13	HORNET	68.5	3	OZ/A	MP			
13	IMPACT	2.8	0.25	OZ/A	MP			
13	AATREX	4	8	OZ/A	MP			
13	MSO		1	% V/V	MP			
13	AMS	100	2.5	LB A/A	MP			
14	KEYSTONE	5.25	1.97	LB A/A	PRE	96	99	80
14	GLYPHOMAX XRT	5.4	24	FL OZ/A	MP			
14	AMS		2.5	LB A/A	MP			

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KYProtocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	XANST	CHEAL	IPOSS
Pest Name	Common cocklebur	Lambsquarters,	common Morning glory
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Growth Stage	13	14	15
15	GF-1834	4.073	1.75	LB A/A	PRE	96	99	84
15	GLYPHOMAX XRT	5.4	24	FL OZ/A	MP			
15	AMS		2.5	LB A/A	MP			
16	HORNET	68.5	2	OZ/A	EP	72	98	70
16	GLYPHOMAX XRT	5.4	24	FL OZ/A	EP			
16	AMS		2.5	LB A/A	EP			
17	BICEP II MAGNUM	5.5	2.1	LB A/A	PRE	96	99	83
17	IMPACT	2.8	0.016	LB A/A	MP			
17	AATREX	4	0.5	LB A/A	MP			
17	MSO		1	% V/V	MP			
17	LIQUID N		2.5	% V/V	MP			
18	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	96	99	83
18	IMPACT	2.8	0.016	LB A/A	MP			
18	AATREX	4	0.5	LB A/A	MP			
18	MSO		1	% V/V	MP			
18	LIQUID N		2.5	% V/V	MP			
19	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	99	99	87
19	CALLISTO	4	0.094	LB A/A	MP			
19	AATREX	4	0.25	LB A/A	MP			
19	COC		1	% V/V	MP			
19	LIQUID N		2.5	% V/V	MP			
20	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	98	99	85
20	AE 0172747	3.5	3	OZ/A	MP			
20	AATREX	4	0.5	LB A/A	MP			
20	AGRIDEX		1	% V/V	MP			
20	LIQUID N		2.5	% V/V	MP			
21	DUAL II MAGNUM	7.64	1.33	PT/A	PRE	99	99	78
21	IMPACT	2.8	0.016	LB A/A	MP			
21	AATREX	4	0.5	LB A/A	MP			
21	MSO		1	% V/V	MP			
21	LIQUID N		2.5	% V/V	MP			
22	DUAL II MAGNUM	7.64	1.33	PT/A	PRE	99	99	80
22	CALLISTO	4	0.094	LB A/A	MP			
22	AATREX	4	0.5	LB A/A	MP			
22	MSO		1	% V/V	MP			
22	LIQUID N		2.5	% V/V	MP			
23	DEFINE	60	21	OZ/A	PRE	99	99	83
23	AE 0172747	3.5	3	OZ/A	MP			
23	AATREX	4	0.5	LB A/A	MP			
23	AGRIDEX		1	% V/V	MP			
23	LIQUID N		2.5	% V/V	MP			
24	BICEP II MAGNUM	5.5	1.05	QT/A	PRE	63	99	60
LSD (P=.05)						6.8	0.8	7.5
Standard Deviation						4.1	0.5	4.5
CV						4.62	0.48	5.61
Grand Mean						88.83	98.94	80.54

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CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KY

Protocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	XANST	CHEAL	IPOSS
Pest Name	Common cocklebur Lambsquarters, common Morning glory		
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Unit	Stage	13	14	15
Replicate F					4.470	1.000	1.988
Replicate Prob(F)					0.0168	0.3757	0.1486
Treatment F					20.612	1.000	7.605
Treatment Prob(F)					0.0001	0.4839	0.0001

Plant and Soil Science, U of KY
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CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KYProtocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 65 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** XANST Xanthium strumarium
Common Name: Common cocklebur

Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Pest 4 Type: W **Code:** IPOSS Ipomoea sp.
Common Name: Morning glory

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C	D
Application Date:	5-4-06	5-23-06	6-8-06	6-21-06
Time of Day:	4 PM	4 PM	10 AM	3 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	LP
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	75 F	69 F	90 F
% Relative Humidity:	30	40	78	50
Wind Velocity, Unit:	6 MPH	6 MPH	6 MPH	6 MPH
Wind Direction:	WNW	SW	NW	SW
Soil Temperature, Unit:	70 F	70 F	75 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0	30	30

Plant and Soil Science, U of KY
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CORN PREEMERGENCE

Trial ID: C6001
Location: LEXINGTON, KYProtocol ID: UK
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V2	V5	V8	
Height, Unit:	4	IN 12	IN 30	IN

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	1 LF	4 LF		
Height, Unit:	1	IN 3	IN 2	IN
Pest 2 Code, Disc., Scale:	XANST W	XANST W	XANST W	XANST W
Stage Majority, Percent:	4 LF			
Height, Unit:	2	IN 4	IN 6	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W	CHEAL W
Height, Unit:	1	IN 3	IN 4	IN
Pest 4 Code, Disc., Scale:	IPOSS W	IPOSS W	IPOSS W	IPOSS W
Height, Unit:	1	IN 3	IN 4	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	BACKPACK
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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	5 FT
Boom Height, Unit:	19 IN	19 IN	25 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
	D		
Appl. Equipment:	BACKPACK		
Operating Pressure, Unit:	30 PSI		
Nozzle Type:	FLAT FAN		
Nozzle Size:	8004 DG		
Nozzle Spacing, Unit:	20 IN		
Boom Length, Unit:	5 FT		
Boom Height, Unit:	25 IN		
Ground Speed, Unit:	3.5 MPH		
Carrier:	WATER		
Spray Volume, Unit:	24 GPA		
Propellant:	CO2		

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE II

Trial ID: C6002
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX		
BBCH Scale	BCOR		
Crop Name	Corn		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4
1	CHECK UNTREATED					0	0	0	0
2	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	0	99	83	99
3	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	0	99	96	99
3	IMPACT	2.8	0.016	LB A/A	MP				
3	AATREX	4	0.5	LB A/A	MP				
3	MSO		1	% V/V	MP				
3	LIQUID N		2.5	% V/V	MP				
4	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	0	99	96	99
4	CALLISTO	4	0.094	LB A/A	MP				
4	AATREX	4	0.25	LB A/A	MP				
4	COC		1	% V/V	MP				
4	LIQUID N		2.5	% V/V	MP				
5	LEXAR	3.7	2.78	LB A/A	PRE	0	99	93	99
6	GUARDSMAN	5	1.66	LB A/A	PRE	0	99	95	99
6	IMPACT	2.8	0.016	LB A/A	MP				
6	AATREX	4	0.5	LB A/A	MP				
6	MSO		1	% V/V	MP				
6	LIQUID N		2.5	% V/V	MP				
7	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	0	99	93	99
7	IMPACT	2.8	0.011	LB A/A	MP				
7	STEADFAST	75	0.035	LB A/A	MP				
7	AATREX	4	0.5	LB A/A	MP				
7	MSO		1	% V/V	MP				
7	LIQUID N		2.5	% V/V	MP				
8	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	0	99	98	99
8	CALLISTO	4	0.063	LB A/A	MP				
8	STEADFAST	75	0.035	LB A/A	MP				
8	AATREX	4	0.25	LB A/A	MP				
8	COC		1	% V/V	MP				
8	LIQUID N		2.5	% V/V	MP				
9	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	0	99	95	99
9	STEADFAST	75	0.035	LB A/A	MP				
9	AATREX	4	0.5	LB A/A	MP				
9	MSO		1	% V/V	MP				
9	LIQUID N		2.5	% V/V	MP				
10	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	0	99	93	99
10	IMPACT	2.8	0.011	LB A/A	MP				
10	OPTION	35	0.033	LB A/A	MP				
10	AATREX	4	0.5	LB A/A	MP				
10	MSO		1	% V/V	MP				
10	LIQUID N		2.5	% V/V	MP				
11	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	0	99	96	99
11	IMPACT	2.8	0.011	LB A/A	MP				
11	ACCENT	75	0.031	LB A/A	MP				
11	AATREX	4	0.5	LB A/A	MP				
11	MSO		1	% V/V	MP				
11	LIQUID N		2.5	% V/V	MP				

Plant and Soil Science, U of KY
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CORN PREEMERGENCE II

Trial ID: C6002
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Name	Corn			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt	Treatment	Form	Rate	Growth	1	2	3	4
No.	Name	Conc	Rate	Unit	Stage			
12	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	0	99	98
12	ROUNDUP WeatherMAX	5.5	1	LB A/A	MP			99
12	AMS		3.7	% V/V	MP			
13	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	0	99	95
13	IMPACT	2.8	0.011	LB A/A	MP			99
13	AATREX	4	0.5	LB A/A	MP			
13	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
13	AMS		3.7	% V/V	MP			
14	IMPACT	2.8	0.016	LB A/A	MP	0	99	99
14	AATREX	4	0.5	LB A/A	MP			
14	MSO		1	% V/V	MP			
14	LIQUID N		2.5	% V/V	MP			
15	CALLISTO	4	0.094	LB A/A	MP	0	60	99
15	AATREX	4	0.25	LB A/A	MP			
15	AGRINDEX		1	% V/V	MP			
15	LIQUID N		2.5	% V/V	MP			
16	CHECK UNTREATED					0	0	0
LSD (P=.05)					0.0	0.0	4.8	0.0
Standard Deviation					0.0	0.0	2.9	0.0
CV					0.0	0.0	3.46	0.0
Grand Mean					0.0	84.19	83.06	86.63
Replicate F					0.000	0.000	0.841	0.000
Replicate Prob(F)					1.0000	1.0000	0.4412	1.0000
Treatment F					0.000	0.000	387.180	0.000
Treatment Prob(F)					1.0000	1.0000	0.0001	1.0000

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Pest Type	W Weed	W Weed	W Weed					
Pest Code	IPOSS	SETFA	AMBTR					
Pest Name	Morning glory	Giant foxtail	Giant Ragweed					
Crop Code								
BBCH Scale								
Crop Name								
Rating Data Type	CONTROL	INJURY	CONTROL			CONTROL		CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT			PERCENT		PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK			4 WEEK		4 WEEK
ARM Action Codes	P	P	P			P		P
Number of Decimals	0	0	0			0		0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	5	6	7	8
1 CHECK UNTREATED					0	0	0	0
2 BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	85	0	99	67
3 BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	95	0	99	86
3 IMPACT	2.8	0.016	LB A/A	MP				
3 AATREX	4	0.5	LB A/A	MP				
3 MSO		1	% V/V	MP				
3 LIQUID N		2.5	% V/V	MP				
4 BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	96	0	99	89
4 CALLISTO	4	0.094	LB A/A	MP				
4 AATREX	4	0.25	LB A/A	MP				
4 COC		1	% V/V	MP				
4 LIQUID N		2.5	% V/V	MP				
5 LEXAR	3.7	2.78	LB A/A	PRE	93	0	99	82
6 GUARDSMAN	5	1.66	LB A/A	PRE	93	0	99	85
6 IMPACT	2.8	0.016	LB A/A	MP				
6 AATREX	4	0.5	LB A/A	MP				
6 MSO		1	% V/V	MP				
6 LIQUID N		2.5	% V/V	MP				
7 BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	95	0	99	84
7 IMPACT	2.8	0.011	LB A/A	MP				
7 STEADFAST	75	0.035	LB A/A	MP				
7 AATREX	4	0.5	LB A/A	MP				
7 MSO		1	% V/V	MP				
7 LIQUID N		2.5	% V/V	MP				
8 BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	96	0	99	92
8 CALLISTO	4	0.063	LB A/A	MP				
8 STEADFAST	75	0.035	LB A/A	MP				
8 AATREX	4	0.25	LB A/A	MP				
8 COC		1	% V/V	MP				
8 LIQUID N		2.5	% V/V	MP				
9 BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	95	0	99	89
9 STEADFAST	75	0.035	LB A/A	MP				
9 AATREX	4	0.5	LB A/A	MP				
9 MSO		1	% V/V	MP				
9 LIQUID N		2.5	% V/V	MP				
10 BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	93	0	99	82
10 IMPACT	2.8	0.011	LB A/A	MP				
10 OPTION	35	0.033	LB A/A	MP				
10 AATREX	4	0.5	LB A/A	MP				
10 MSO		1	% V/V	MP				
10 LIQUID N		2.5	% V/V	MP				
11 BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	96	0	99	85
11 IMPACT	2.8	0.011	LB A/A	MP				
11 ACCENT	75	0.031	LB A/A	MP				
11 AATREX	4	0.5	LB A/A	MP				
11 MSO		1	% V/V	MP				
11 LIQUID N		2.5	% V/V	MP				

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Pest Type	W Weed	W Weed	W Weed
Pest Code	IPOSS	SETFA	AMBTR
Pest Name	Morning glory	Giant foxtail	Giant Ragweed
Crop Code	ZEAMX		
BBCH Scale	BCOR		
Crop Name	Corn		
Rating Data Type	CONTROL	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt	Treatment	Form	Rate	Growth	5	6	7	8
No.	Name	Conc	Rate	Unit	Stage			
12	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	98	0	99
12	ROUNDUP WeatherMAX	5.5	1	LB A/A	MP			83
12	AMS		3.7	% V/V	MP			
13	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	96	0	99
13	IMPACT	2.8	0.011	LB A/A	MP			87
13	AATREX	4	0.5	LB A/A	MP			
13	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
13	AMS		3.7	% V/V	MP			
14	IMPACT	2.8	0.016	LB A/A	MP	99	0	98
14	AATREX	4	0.5	LB A/A	MP			95
14	MSO		1	% V/V	MP			
14	LIQUID N		2.5	% V/V	MP			
15	CALLISTO	4	0.094	LB A/A	MP	98	0	60
15	AATREX	4	0.25	LB A/A	MP			95
15	AGRINDEX		1	% V/V	MP			
15	LIQUID N		2.5	% V/V	MP			
16	CHECK UNTREATED					0	0	0
LSD (P=.05)						5.3	0.0	1.0
Standard Deviation						3.2	0.0	0.6
CV						3.85	0.0	0.69
Grand Mean						83.0	0.0	84.1
Replicate F						2.034	0.000	1.000
Replicate Prob(F)						0.1485	1.0000	0.3798
Treatment F						310.625	0.000	10544.764
Treatment Prob(F)						0.0001	1.0000	0.0001

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Trial ID: C6002
Location: LEXINGTON, KYProtocol ID:
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Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	IPOSS	SETFA
Pest Name	Lambsquarters, common	Morning glory	Giant foxtail
Crop Code			ZEAMX
BBCH Scale			BCOR
Crop Name			Corn
Rating Data Type	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	9	10	11	12
1	CHECK UNTREATED					0	0	0	0
2	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	99	68	0	99
3	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	99	83	0	99
3	IMPACT	2.8	0.016	LB A/A	MP				
3	AATREX	4	0.5	LB A/A	MP				
3	MSO		1	% V/V	MP				
3	LIQUID N		2.5	% V/V	MP				
4	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	99	92	0	99
4	CALLISTO	4	0.094	LB A/A	MP				
4	AATREX	4	0.25	LB A/A	MP				
4	COC		1	% V/V	MP				
4	LIQUID N		2.5	% V/V	MP				
5	LEXAR	3.7	2.78	LB A/A	PRE	99	88	0	99
6	GUARDSMAN	5	1.66	LB A/A	PRE	99	89	0	99
6	IMPACT	2.8	0.016	LB A/A	MP				
6	AATREX	4	0.5	LB A/A	MP				
6	MSO		1	% V/V	MP				
6	LIQUID N		2.5	% V/V	MP				
7	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	99	85	0	99
7	IMPACT	2.8	0.011	LB A/A	MP				
7	STEADFAST	75	0.035	LB A/A	MP				
7	AATREX	4	0.5	LB A/A	MP				
7	MSO		1	% V/V	MP				
7	LIQUID N		2.5	% V/V	MP				
8	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	99	93	0	99
8	CALLISTO	4	0.063	LB A/A	MP				
8	STEADFAST	75	0.035	LB A/A	MP				
8	AATREX	4	0.25	LB A/A	MP				
8	COC		1	% V/V	MP				
8	LIQUID N		2.5	% V/V	MP				
9	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	99	89	0	99
9	STEADFAST	75	0.035	LB A/A	MP				
9	AATREX	4	0.5	LB A/A	MP				
9	MSO		1	% V/V	MP				
9	LIQUID N		2.5	% V/V	MP				
10	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	99	75	0	99
10	IMPACT	2.8	0.011	LB A/A	MP				
10	OPTION	35	0.033	LB A/A	MP				
10	AATREX	4	0.5	LB A/A	MP				
10	MSO		1	% V/V	MP				
10	LIQUID N		2.5	% V/V	MP				
11	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	99	93	0	99
11	IMPACT	2.8	0.011	LB A/A	MP				
11	ACCENT	75	0.031	LB A/A	MP				
11	AATREX	4	0.5	LB A/A	MP				
11	MSO		1	% V/V	MP				
11	LIQUID N		2.5	% V/V	MP				

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Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	IPOSS	SETFA
Pest Name	Lambsquarters, common	Morning glory	Giant foxtail
Crop Code			ZEAMX
BBCH Scale			BCOR
Crop Name			Corn
Rating Data Type	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt	Treatment	Form	Rate	Growth	9	10	11	12	
No.	Name	Conc	Rate	Unit	Stage				
12	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	99	92	0	99
12	ROUNDUP WeatherMAX	5.5	1	LB A/A	MP				
12	AMS		3.7	% V/V	MP				
13	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	99	88	0	99
13	IMPACT	2.8	0.011	LB A/A	MP				
13	AATREX	4	0.5	LB A/A	MP				
13	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP				
13	AMS		3.7	% V/V	MP				
14	IMPACT	2.8	0.016	LB A/A	MP	99	89	0	96
14	AATREX	4	0.5	LB A/A	MP				
14	MSO		1	% V/V	MP				
14	LIQUID N		2.5	% V/V	MP				
15	CALLISTO	4	0.094	LB A/A	MP	99	93	0	43
15	AATREX	4	0.25	LB A/A	MP				
15	AGRINDEX		1	% V/V	MP				
15	LIQUID N		2.5	% V/V	MP				
16	CHECK UNTREATED					0	0	0	0
LSD (P=.05)						0.0	7.6	0.0	3.2
Standard Deviation						0.0	4.6	0.0	1.9
CV						0.0	6.0	0.0	2.3
Grand Mean						86.63	76.02	0.0	82.96
Replicate F						0.000	0.991	0.000	1.549
Replicate Prob(F)						1.0000	0.3829	1.0000	0.2291
Treatment F						0.000	133.377	0.000	1019.927
Treatment Prob(F)						1.0000	0.0001	1.0000	0.0001

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Pest Type	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	IPOSS
Pest Name	Giant Ragweed Lambsquarters, common Morning glory		
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Growth Stage	13	14	15
1	CHECK UNTREATED					0	0	0
2	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	63	99	63
3	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	83	99	73
3	IMPACT	2.8	0.016	LB A/A	MP			
3	AATREX	4	0.5	LB A/A	MP			
3	MSO		1	% V/V	MP			
3	LIQUID N		2.5	% V/V	MP			
4	BICEP II MAGNUM	5.5	1.94	LB A/A	PRE	87	99	87
4	CALLISTO	4	0.094	LB A/A	MP			
4	AATREX	4	0.25	LB A/A	MP			
4	COC		1	% V/V	MP			
4	LIQUID N		2.5	% V/V	MP			
5	LEXAR	3.7	2.78	LB A/A	PRE	80	99	79
6	GUARDSMAN	5	1.66	LB A/A	PRE	81	99	82
6	IMPACT	2.8	0.016	LB A/A	MP			
6	AATREX	4	0.5	LB A/A	MP			
6	MSO		1	% V/V	MP			
6	LIQUID N		2.5	% V/V	MP			
7	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	76	99	77
7	IMPACT	2.8	0.011	LB A/A	MP			
7	STEADFAST	75	0.035	LB A/A	MP			
7	AATREX	4	0.5	LB A/A	MP			
7	MSO		1	% V/V	MP			
7	LIQUID N		2.5	% V/V	MP			
8	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	87	99	88
8	CALLISTO	4	0.063	LB A/A	MP			
8	STEADFAST	75	0.035	LB A/A	MP			
8	AATREX	4	0.25	LB A/A	MP			
8	COC		1	% V/V	MP			
8	LIQUID N		2.5	% V/V	MP			
9	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	78	99	83
9	STEADFAST	75	0.035	LB A/A	MP			
9	AATREX	4	0.5	LB A/A	MP			
9	MSO		1	% V/V	MP			
9	LIQUID N		2.5	% V/V	MP			
10	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	77	99	73
10	IMPACT	2.8	0.011	LB A/A	MP			
10	OPTION	35	0.033	LB A/A	MP			
10	AATREX	4	0.5	LB A/A	MP			
10	MSO		1	% V/V	MP			
10	LIQUID N		2.5	% V/V	MP			
11	BICEP II MAGNUM	5.5	1.44	LB A/A	PRE	84	99	87
11	IMPACT	2.8	0.011	LB A/A	MP			
11	ACCENT	75	0.031	LB A/A	MP			
11	AATREX	4	0.5	LB A/A	MP			
11	MSO		1	% V/V	MP			
11	LIQUID N		2.5	% V/V	MP			

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Pest Type	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	IPOSS
Pest Name	Giant Ragweed Lambsquarters, common Morning glory		
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt	Treatment	Form	Rate	Growth				
No.	Name	Conc	Rate	Unit	Stage	13	14	15
12	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	82	99	83
12	ROUNDUP WeatherMAX	5.5	1	LB A/A	MP			
12	AMS		3.7	% V/V	MP			
13	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	82	99	83
13	IMPACT	2.8	0.011	LB A/A	MP			
13	AATREX	4	0.5	LB A/A	MP			
13	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
13	AMS		3.7	% V/V	MP			
14	IMPACT	2.8	0.016	LB A/A	MP	90	99	83
14	AATREX	4	0.5	LB A/A	MP			
14	MSO		1	% V/V	MP			
14	LIQUID N		2.5	% V/V	MP			
15	CALLISTO	4	0.094	LB A/A	MP	93	99	92
15	AATREX	4	0.25	LB A/A	MP			
15	AGRINDEX		1	% V/V	MP			
15	LIQUID N		2.5	% V/V	MP			
16	CHECK UNTREATED					0	0	0
LSD (P=.05)						10.1	0.0	8.7
Standard Deviation						6.1	0.0	5.2
CV						8.48	0.0	7.36
Grand Mean						71.4	86.63	70.85
Replicate F						0.152	0.000	1.646
Replicate Prob(F)						0.8594	1.0000	0.2097
Treatment F						67.243	0.000	89.564
Treatment Prob(F)						0.0001	1.0000	0.0001

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CORN PREEMERGENCE II

Trial ID: C6002
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 65 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Pest 4 Type: W **Code:** IPOSS Ipomoea sp.
Common Name: Morning glory

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B
Application Date:	5-4-06	5-30-06
Time of Day:	3 PM	5 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	MP
Application Placement:	BROSIO	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	84 F
% Relative Humidity:	30	57
Wind Velocity, Unit:	6 MPH	4 MPH
Wind Direction:	WNW	W
Soil Temperature, Unit:	70 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	50

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Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Height, Unit:	10	IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Height, Unit:	2	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W
Height, Unit:	4	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W
Height, Unit:	2	IN
Pest 4 Code, Disc., Scale:	IPOSS W	IPOSS W
Height, Unit:	2	IN

Application Equipment

	A		B	
Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
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:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type								W Weed	W Weed
Pest Code								SETFA	AMBTR
Pest Name								Giant foxtail	Giant Ragweed
Crop Code					ZEAMX	ZEAMX	ZEAMX		
BBCH Scale					BCOR	BCOR	BCOR		
Crop Name					Corn	Corn	Corn		
Description									
Rating Data Type					INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval					1 WEEK	2 WEEK	4 WEEK	2 WEEK	2 WEEK
ARM Action Codes					P	P	P	P	P
Number of Decimals					0	0	0	0	0
Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Unit	Stage	1	2	3	4	5
1 CHECK UNTREATED					0	0	0	0	0
2 LUMAX	3.94	2.5	QT/A	PRE	0	0	0	99	93
3 LEXAR	3.7	3	QT/A	PRE	0	0	0	99	95
4 LUMAX	3.94	2	QT/A	PRE	0	0	0	99	96
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8					
4 AMS		3.7	% V/V	V8					
5 LEXAR	3.7	2.35	QT/A	PRE	0	0	0	99	98
5 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8					
5 AMS		3.7	% V/V	V8					
6 LUMAX	3.94	2	QT/A	EP	0	0	0	99	93
6 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP					
6 AMS		3.7	% V/V	EP					
7 LEXAR	3.7	2.35	LB A/A	EP	0	0	0	99	96
7 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP					
7 AMS		3.7	% V/V	EP					
8 HARNESS XTRA	5.6	1.5	QT/A	PRE	0	0	0	99	94
8 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8					
8 AMS		3.7	% V/V	V8					
9 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP	0	0	0	99	90
9 AMS		3.7	% V/V	MP					
10 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LLP	0	0	0	99	95
10 AMS		3.7	% V/V	LLP					
11 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP	0	0	0	99	99
11 AMS		3.7	% V/V	MP					
11 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8					
11 AMS		3.7	% V/V	V8					
12 LUMAX	3.94	2.5	QT/A	PRE	0	0	0	99	98
12 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8					
12 AMS		3.7	% V/V	V8					
13 LEXAR	3.7	3	QT/A	PRE	0	0	0	99	96
13 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8					
13 AMS		3.7	% V/V	V8					
14 ROUNDUP ORIGINAL MAX	4.5	22	FL OZ/A	EP	0	0	0	99	92
14 RESOLVE	75	1	OZ/A	EP					
14 AMS		3.7	% V/V	EP					
15 EXPERT	4.9	3	QT/A	EP	0	0	0	99	93
15 AMS		3.7	% V/V	EP					
16 LEXAR	3.7	1.5	LB A/A	PRE	0	0	0	99	96
16 LEXAR	3.7	3	QT/A	EP					

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CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type					W Weed	W Weed		
Pest Code					SETFA	AMBTR		
Pest Name					Giant foxtail	Giant Ragweed		
Crop Code		ZEAMX	ZEAMX	ZEAMX				
BBCH Scale		BCOR	BCOR	BCOR				
Crop Name		Corn	Corn	Corn				
Description								
Rating Data Type		INJURY	INJURY	INJURY	CONTROL	CONTROL		
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Trt-Eval Interval		1 WEEK	2 WEEK	4 WEEK	2 WEEK	2 WEEK		
ARM Action Codes		P	P	P	P	P		
Number of Decimals		0	0	0	0	0		
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Stage	1	2	3	4	5
17 RADIUS	4	18 OZ/A	PRE	0	0	0	99	93
17 AATREX	4	1 QT/A	PRE					
18 AATREX	4	1 QT/A	PRE	0	0	0	93	95
18 STEADFAST	75	0.75 OZ/A	MP					
18 COC		1 QT/A	MP					
18 LIQUID N		1 QT/A	MP					
LSD (P=.05)				0.0	0.0	0.0	4.3	5.6
Standard Deviation				0.0	0.0	0.0	2.6	3.4
CV				0.0	0.0	0.0	2.78	3.75
Grand Mean				0.0	0.0	0.0	93.15	89.57
Replicate F				0.000	0.000	0.000	1.000	4.348
Replicate Prob(F)				1.0000	1.0000	1.0000	0.3784	0.0208
Treatment F				0.000	0.000	0.000	243.507	134.329
Treatment Prob(F)				1.0000	1.0000	1.0000	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	IPOSS	SETFA	AMBTR
Pest Name	Lambsquarters, common Morning glory Giant foxtail Giant Ragweed			
Crop Code				
BBCH Scale				
Crop Name				
Description				
Rating Data Type	CONTROL	CONTROL	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
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	6	7	8	9
1	CHECK UNTREATED						0	0	0
2	LUMAX	3.94	2.5	QT/A	PRE		99	95	99
3	LEXAR	3.7	3	QT/A	PRE		99	96	99
4	LUMAX	3.94	2	QT/A	PRE		99	98	99
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
4	AMS		3.7	% V/V	V8				
5	LEXAR	3.7	2.35	QT/A	PRE		99	98	99
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
5	AMS		3.7	% V/V	V8				
6	LUMAX	3.94	2	QT/A	EP		99	96	99
6	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
6	AMS		3.7	% V/V	EP				
7	LEXAR	3.7	2.35	LB A/A	EP		99	98	99
7	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
7	AMS		3.7	% V/V	EP				
8	HARNESX XTRA	5.6	1.5	QT/A	PRE		99	94	99
8	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8				
8	AMS		3.7	% V/V	V8				
9	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP		88	0	99
9	AMS		3.7	% V/V	MP				
10	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LLP		90	0	99
10	AMS		3.7	% V/V	LLP				
11	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP		99	98	99
11	AMS		3.7	% V/V	MP				
11	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8				
11	AMS		3.7	% V/V	V8				
12	LUMAX	3.94	2.5	QT/A	PRE		99	98	99
12	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
12	AMS		3.7	% V/V	V8				
13	LEXAR	3.7	3	QT/A	PRE		99	96	99
13	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
13	AMS		3.7	% V/V	V8				
14	ROUNDUP ORIGINAL MAX	4.5	22	FL OZ/A	EP		99	95	99
14	RESOLVE	75	1	OZ/A	EP				
14	AMS		3.7	% V/V	EP				
15	EXPERT	4.9	3	QT/A	EP		99	95	99
15	AMS		3.7	% V/V	EP				
16	LEXAR	3.7	1.5	LB A/A	PRE		99	98	99
16	LEXAR	3.7	3	QT/A	EP				

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	IPOSS	SETFA	AMBTR
Pest Name	Lambsquarters, common Morning glory Giant foxtail Giant Ragweed			
Crop Code				
BBCH Scale				
Crop Name				
Description				
Rating Data Type	CONTROL	CONTROL	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
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Form Conc	Rate Rate Unit	Growth Stage	6	7	8	9	
17 RADIUS	4	18 OZ/A	PRE		99	96	99	86
17 AATREX	4	1 QT/A	PRE					
18 AATREX	4	1 QT/A	PRE		99	96	93	83
18 STEADFAST	75	0.75 OZ/A	MP					
18 COC		1 QT/A	MP					
18 LIQUID N		1 QT/A	MP					
LSD (P=.05)				1.1	5.8	4.3	6.3	
Standard Deviation				0.7	3.5	2.6	3.8	
CV				0.74	4.34	2.78	4.42	
Grand Mean				92.41	80.31	93.15	85.2	
Replicate F				1.000	0.102	1.000	1.108	
Replicate Prob(F)				0.3784	0.9033	0.3784	0.3418	
Treatment F				3511.953	337.260	243.507	101.601	
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type				W Weed	W Weed		W Weed	
Pest Code				CHEAL	IPOSS		SETFA	
Pest Name				Lambsquarters, common	Morning glory		Giant foxtail	
Crop Code						ZEAMX		
BBCH Scale						BCOR		
Crop Name						Corn		
Description								
Rating Data Type				CONTROL	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	
Number of Decimals				0	0	0	0	
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	10	11	12	
							13	
1 CHECK UNTREATED					0	0	0	0
2 LUMAX	3.94	2.5	QT/A	PRE	99	89	0	99
3 LEXAR	3.7	3	QT/A	PRE	99	89	0	99
4 LUMAX	3.94	2	QT/A	PRE	99	90	0	99
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
4 AMS		3.7	% V/V	V8				
5 LEXAR	3.7	2.35	QT/A	PRE	99	89	0	99
5 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
5 AMS		3.7	% V/V	V8				
6 LUMAX	3.94	2	QT/A	EP	99	88	0	99
6 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
6 AMS		3.7	% V/V	EP				
7 LEXAR	3.7	2.35	LB A/A	EP	99	91	0	99
7 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
7 AMS		3.7	% V/V	EP				
8 HARNESS XTRA	5.6	1.5	QT/A	PRE	99	84	0	99
8 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8				
8 AMS		3.7	% V/V	V8				
9 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP	99	88	0	96
9 AMS		3.7	% V/V	MP				
10 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LLP	99	93	0	93
10 AMS		3.7	% V/V	LLP				
11 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP	99	89	0	99
11 AMS		3.7	% V/V	MP				
11 ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8				
11 AMS		3.7	% V/V	V8				
12 LUMAX	3.94	2.5	QT/A	PRE	99	93	0	99
12 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
12 AMS		3.7	% V/V	V8				
13 LEXAR	3.7	3	QT/A	PRE	99	92	0	99
13 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
13 AMS		3.7	% V/V	V8				
14 ROUNDUP ORIGINAL MAX	4.5	22	FL OZ/A	EP	99	78	0	96
14 RESOLVE	75	1	OZ/A	EP				
14 AMS		3.7	% V/V	EP				
15 EXPERT	4.9	3	QT/A	EP	99	88	0	99
15 AMS		3.7	% V/V	EP				
16 LEXAR	3.7	1.5	LB A/A	PRE	99	93	0	99
16 LEXAR	3.7	3	QT/A	EP				

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	
Pest Code	CHEAL	IPOSS	SETFA	
Pest Name	Lambsquarters, common Morning glory		Giant foxtail	
Crop Code				ZEAMX
BBCH Scale				BCOR
Crop Name				Corn
Description				
Rating Data Type	CONTROL	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
Number of Decimals	0	0	0	0
Trt Treatment	Form	Rate	Growth	
No. Name	Conc	Rate	Stage	
				10
				11
				12
				13
17 RADIUS	4	18 OZ/A	PRE	99
17 AATREX	4	1 QT/A	PRE	87
				0
				99
18 AATREX	4	1 QT/A	PRE	99
18 STEADFAST	75	0.75 OZ/A	MP	88
18 COC		1 QT/A	MP	0
18 LIQUID N		1 QT/A	MP	93
LSD (P=.05)				0.0
Standard Deviation				6.5
CV				0.0
Grand Mean				3.9
Replicate F				4.64
Replicate Prob(F)				0.0
Treatment F				93.5
Treatment Prob(F)				83.93
				0.0
				0.000
				4.219
				0.000
				0.000
				0.000
				0.0231
				1.0000
				89.153
				0.000
				139.525
				0.0001
				1.0000

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Trt	Treatment	Form	Rate	Growth	W Weed	W Weed	W Weed		
No.	Name	Conc	Rate	Unit	Stage	14	15	16	
									ZEAMX BCOR Corn 5 X 37 YIELD PERCENT BU 15.5% TY1 0
						CONTROL PERCENT 8 WEEK P 0	CONTROL PERCENT 8 WEEK P 0	CONTROL PERCENT 8 WEEK P 0	
						AMBTR Giant Ragweed	CHEAL Lambsquarters,	IPOSS common Morning glory	
1	CHECK UNTREATED					0	0	0	4
2	LUMAX	3.94	2.5	QT/A	PRE	82	99	81	150
3	LEXAR	3.7	3	QT/A	PRE	84	99	82	157
4	LUMAX	3.94	2	QT/A	PRE	95	99	82	166
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
4	AMS		3.7	% V/V	V8				
5	LEXAR	3.7	2.35	QT/A	PRE	96	99	84	177
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
5	AMS		3.7	% V/V	V8				
6	LUMAX	3.94	2	QT/A	EP	86	99	80	191
6	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
6	AMS		3.7	% V/V	EP				
7	LEXAR	3.7	2.35	LB A/A	EP	86	99	83	166
7	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	EP				
7	AMS		3.7	% V/V	EP				
8	HARNESS XTRA	5.6	1.5	QT/A	PRE	91	99	78	176
8	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8				
8	AMS		3.7	% V/V	V8				
9	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP	77	99	78	142
9	AMS		3.7	% V/V	MP				
10	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LLP	89	99	85	125
10	AMS		3.7	% V/V	LLP				
11	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	MP	95	99	83	151
11	AMS		3.7	% V/V	MP				
11	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	V8				
11	AMS		3.7	% V/V	V8				
12	LUMAX	3.94	2.5	QT/A	PRE	95	99	86	154
12	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
12	AMS		3.7	% V/V	V8				
13	LEXAR	3.7	3	QT/A	PRE	96	99	83	138
13	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	V8				
13	AMS		3.7	% V/V	V8				
14	ROUNDUP ORIGINAL MAX	4.5	22	FL OZ/A	EP	70	99	65	84
14	RESOLVE	75	1	OZ/A	EP				
14	AMS		3.7	% V/V	EP				
15	EXPERT	4.9	3	QT/A	EP	77	99	78	128
15	AMS		3.7	% V/V	EP				
16	LEXAR	3.7	1.5	LB A/A	PRE	88	99	87	159
16	LEXAR	3.7	3	QT/A	EP				

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KY

Protocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	
Pest Code	AMBTR	CHEAL	IPOSS	
Pest Name	Giant Ragweed Lambsquarters, common Morning glory			
Crop Code				ZEAMX
BBCH Scale				BCOR
Crop Name				Corn
Description				5 X 37
Rating Data Type	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit	PERCENT	PERCENT	PERCENT BU	15.5%
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	
ARM Action Codes	P	P	P	TY1
Number of Decimals	0	0	0	0
Trt Treatment	Form	Rate	Growth	
No. Name	Conc	Rate	Stage	
				14
				15
				16
				20
17 RADIUS	4	18 OZ/A	PRE	75
17 AATREX	4	1 QT/A	PRE	99
				77
				130
18 AATREX	4	1 QT/A	PRE	73
18 STEADFAST	75	0.75 OZ/A	MP	99
18 COC		1 QT/A	MP	78
18 LIQUID N		1 QT/A	MP	102
LSD (P=.05)				9.4
Standard Deviation				5.6
CV				6.98
Grand Mean				80.83
				93.5
				76.15
				138.87
Replicate F				1.576
Replicate Prob(F)				0.2216
Treatment F				45.097
Treatment Prob(F)				0.0001
				0.0000
				1.0000
				0.0017
				37.178
				0.0001
				0.0001

Column 17: TY1 = 4.204633*[18]*(100-[19])/84.5

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KYProtocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 68 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Pest 4 Type: W **Code:** IPOSS Ipomoea sp.
Common Name: Morning glory

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C	D	E
Application Date:	5-4-06	5-23-06	5-30-06	6-2-06	6-8-06
Time of Day:	1 PM	4 PM	5 PM	10 AM	10 AM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	LLP	V8, MP, T8
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	75 F	84 F	78 F	68 F
% Relative Humidity:	30	40	57	70	50
Wind Velocity, Unit:	6 MPH	4 MPH	4 MPH	4 MPH	4 MPH
Wind Direction:	WNW	SW	W	SW	NNE
Soil Temperature, Unit:	70 F	70 F	70 F	70 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0	50	70	10

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KYProtocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

	F	G
Application Date:	6-10-06	6-10-06
Time of Day:	10 AM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	V8, MP	V8, MP
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	66 F	66 F
% Relative Humidity:	75	75
Wind Velocity, Unit:	4 MPH	4 MPH
Wind Direction:	W	W
Soil Temperature, Unit:	75 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

Crop Stage At Each Application

	A		B		C		D		E		F	
Crop 1 Code, BBCH Scale:	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Stage Scale Used:		V2		V4		V5		V8		V8		
Height, Unit:		4	IN	8	IN	12	IN	18	IN	20	IN	

G

Crop 1 Code, BBCH Scale:	ZEAMX	BCOR
Stage Scale Used:	V8	
Height, Unit:	20	IN

Pest Stage At Each Application

	A		B		C		D		E		F		G	
Pest 1 Code, Disc., Scale:	SETFA	W	SETFA	W	SETFA	W	SETFA	W	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:		2	LF											
Height, Unit:		1	IN	2	IN	4	IN	2	IN	2	IN	2	IN	IN
Pest 2 Code, Disc., Scale:	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:		4	LF											
Height, Unit:		2	IN	4	IN	8	IN	4	IN	4	IN	4	IN	IN
Pest 3 Code, Disc., Scale:	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W
Height, Unit:		1	IN	2	IN	5	IN	5	IN					
Pest 4 Code, Disc., Scale:	IPOSS	W	IPOSS	W	IPOSS	W	IPOSS	W	IPOSS	W	IPOSS	W	IPOSS	W
Height, Unit:		1	IN	2	IN	4	IN	4	IN					

Application Equipment

	A				B				C			
Appl. Equipment:	ATV				ATV				ATV			
Operating Pressure, Unit:	30 PSI				30 PSI				30 PSI			
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:	19 IN				19 IN				19 IN			
Ground Speed, Unit:	4 MPH				4 MPH				4 MPH			
Carrier:	WATER				WATER				WATER			
Spray Volume, Unit:	24 GPA				24 GPA				24 GPA			
Propellant:	CO2				CO2				CO2			

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE

Trial ID: C6003
Location: LEXINGTON, KYProtocol ID: SYN
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

	D	E	F
Appl. Equipment:	ATV	BACKPACK	BACKPACK
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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	5 FT	5 FT
Boom Height, Unit:	19 IN	25 IN	25 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
	G		
Appl. Equipment:	BACKPACK		
Operating Pressure, Unit:	30 PSI		
Nozzle Type:	FLAT FAN		
Nozzle Size:	8004 DG		
Nozzle Spacing, Unit:	20 IN		
Boom Length, Unit:	5 FT		
Boom Height, Unit:	25 IN		
Ground Speed, Unit:	3.5 MPH		
Carrier:	WATER		
Spray Volume, Unit:	24 GPA		
Propellant:	CO2		

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN

Trial ID: C6004
Location: LEXINGTON, KY

Protocol ID: C6004
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed
Pest Code		SETFA		CHEAL		SETFA
Pest Name		Giant foxtail	Lambsquarters,	common		Giant foxtail
Crop Code	ZEAMX				ZEAMX	
BBCH Scale	BCOR				BCOR	
Crop Name	Corn				Corn	
Rating Data Type	INJURY	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
Number of Decimals	0	0		0	0	0

Trt	Treatment	Form	Rate	Rate	Growth	1	2	3	4	5	
No.	Name	Conc	Rate	Unit	Stage						
1	KIH 485	85	0.112	LB A/A	PRE	0	99		92	0	91
1	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
1	AMS		3.7	% V/V	PRE						
2	KIH 485	85	0.148	LB A/A	PRE	0	99		83	0	93
2	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
2	AMS		3.7	% V/V	PRE						
3	KIH 485	85	0.186	LB A/A	PRE	0	99		96	0	98
3	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
3	AMS		3.7	% V/V	PRE						
4	KIH 485	85	0.296	LB A/A	PRE	0	99		98	0	99
4	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
4	AMS		3.7	% V/V	PRE						
5	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE	0	99		57	0	93
5	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
5	AMS		3.7	% V/V	PRE						
6	KIH 485	85	0.112	LB A/A	PRE	0	99		99	0	92
6	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
6	AMS		3.7	% V/V	PRE						
6	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D						
6	AMS		3.7	% V/V	+21D						
7	KIH 485	85	0.148	LB A/A	PRE	0	99		99	0	93
7	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
7	AMS		3.7	% V/V	PRE						
7	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D						
7	AMS		3.7	% V/V	+21D						
8	KIH 485	85	0.186	LB A/A	PRE	0	99		99	0	96
8	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
8	AMS		3.7	% V/V	PRE						
8	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D						
8	AMS		3.7	% V/V	+21D						
9	KIH 485	85	0.296	LB A/A	PRE	0	99		99	0	96
9	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
9	AMS		3.7	% V/V	PRE						
9	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D						
9	AMS		3.7	% V/V	+21D						
10	KIH 485	85	0.148	LB A/A	PRE	0	99		98	0	99
10	BALANCE PRO	4	0.059	LB A/A	PRE						
10	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
10	AMS		3.7	% V/V	PRE						
11	KIH 485	85	0.148	LB A/A	PRE	0	99		97	0	98
11	BALANCE PRO	4	0.045	LB A/A	PRE						
11	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE						
11	AMS		3.7	% V/V	PRE						

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN

Trial ID: C6004
Location: LEXINGTON, KY

Protocol ID: C6004
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed
Pest Code		SETFA		CHEAL		SETFA
Pest Name		Giant foxtail Lambsquarters, common			Giant foxtail	
Crop Code	ZEAMX				ZEAMX	
BBCH Scale	BCOR				BCOR	
Crop Name	Corn				Corn	
Rating Data Type	INJURY	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
Number of Decimals	0	0		0	0	0

Trt	Treatment	Form	Rate	Growth	1	2	3	4	5	
No.	Name	Conc	Rate	Stage						
12	KIH 485	85	0.148 LB A/A	PRE	0	99		95	0	93
12	HORNET	68.5	0.087 LB A/A	PRE						
12	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
12	AMS		3.7 % V/V	PRE						
13	KIH 485	85	0.148 LB A/A	PRE	0	99		96	0	92
13	HORNET	68.5	0.053 LB A/A	PRE						
13	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
13	AMS		3.7 % V/V	PRE						
14	KIH 485	85	0.148 LB A/A	PRE	0	98		99	0	91
14	CALLISTO	4	0.168 LB A/A	PRE						
14	AATREX	4	0.625 LB A/A	PRE						
14	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
14	AMS		3.7 % V/V	PRE						
15	KIH 485	85	0.148 LB A/A	PRE	0	98		99	0	91
15	CALLISTO	4	0.126 LB A/A	PRE						
15	AATREX	4	0.47 LB A/A	PRE						
15	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
15	AMS		3.7 % V/V	PRE						
16	LUMAX	3.94	2.47 LB A/A	PRE	0	99		99	0	91
16	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
16	AMS		3.7 % V/V	PRE						
17	BALANCE PRO	4	0.059 LB A/A	PRE	0	98		99	0	87
17	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
17	AMS		3.7 % V/V	PRE						
18	HORNET	68.5	0.057 LB A/A	PRE	0	93		91	0	81
18	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
18	AMS		3.7 % V/V	PRE						
19	KIH-485/ATRAZINE	57.8	1.097 LB A/A	PRE	0	99		93	0	99
19	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
19	AMS		3.7 % V/V	PRE						
20	BICEP II MAGNUM	5.5	2.2 LB A/A	PRE	0	99		99	0	98
20	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE						
20	AMS		3.7 % V/V	PRE						
LSD (P=.05)					0.0	4.3		7.3	0.0	11.0
Standard Deviation					0.0	2.6		4.4	0.0	6.7
CV					0.0	2.65		4.7	0.0	7.11
Grand Mean					0.0	98.48		94.35	0.0	93.52
Replicate F					0.000	1.000		0.231	0.000	4.069
Replicate Prob(F)					1.0000	0.3774		0.7946	1.0000	0.0251
Treatment F					0.000	0.929		14.369	0.000	1.358
Treatment Prob(F)					1.0000	0.5551		0.0001	1.0000	0.2063

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN

Trial ID: C6004
Location: LEXINGTON, KY

Protocol ID: C6004
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	CHEAL	SETFA
Pest Name	Lambsquarters, common	Giant foxtail
Crop Code	ZEAMX	
BBCH Scale	BCOR	
Crop Name	Corn	
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt	Treatment	Form	Rate	Rate	Growth			
No.	Name	Conc	Rate	Unit	Stage	6	7	8
1	KIH 485	85	0.112	LB A/A	PRE			
1	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	82	0	82
1	AMS		3.7	% V/V	PRE			
2	KIH 485	85	0.148	LB A/A	PRE			
2	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	73	0	83
2	AMS		3.7	% V/V	PRE			
3	KIH 485	85	0.186	LB A/A	PRE			
3	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	89	0	93
3	AMS		3.7	% V/V	PRE			
4	KIH 485	85	0.296	LB A/A	PRE			
4	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	91	0	95
4	AMS		3.7	% V/V	PRE			
5	DUAL II MAGNUM	7.64	1.27	LB A/A	PRE			
5	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	50	0	88
5	AMS		3.7	% V/V	PRE			
6	KIH 485	85	0.112	LB A/A	PRE			
6	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	95	0	84
6	AMS		3.7	% V/V	PRE			
6	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D			
6	AMS		3.7	% V/V	+21D			
7	KIH 485	85	0.148	LB A/A	PRE			
7	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	95	0	86
7	AMS		3.7	% V/V	PRE			
7	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D			
7	AMS		3.7	% V/V	+21D			
8	KIH 485	85	0.186	LB A/A	PRE			
8	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	93	0	88
8	AMS		3.7	% V/V	PRE			
8	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D			
8	AMS		3.7	% V/V	+21D			
9	KIH 485	85	0.296	LB A/A	PRE			
9	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	95	0	90
9	AMS		3.7	% V/V	PRE			
9	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+21D			
9	AMS		3.7	% V/V	+21D			
10	KIH 485	85	0.148	LB A/A	PRE			
10	BALANCE PRO	4	0.059	LB A/A	PRE	93	0	92
10	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
10	AMS		3.7	% V/V	PRE			
11	KIH 485	85	0.148	LB A/A	PRE			
11	BALANCE PRO	4	0.045	LB A/A	PRE	93	0	90
11	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
11	AMS		3.7	% V/V	PRE			

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN

Trial ID: C6004
Location: LEXINGTON, KYProtocol ID: C6004
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	CHEAL	SETFA
Pest Name	Lambsquarters, common	Giant foxtail
Crop Code	ZEAMX	
BBCH Scale	BCOR	
Crop Name	Corn	
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Unit	Stage	6	7	8
12 KIH 485	85	0.148	LB A/A	PRE			
12 HORNET	68.5	0.087	LB A/A	PRE	88	0	85
12 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
12 AMS		3.7	% V/V	PRE			
13 KIH 485	85	0.148	LB A/A	PRE	89	0	84
13 HORNET	68.5	0.053	LB A/A	PRE			
13 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
13 AMS		3.7	% V/V	PRE			
14 KIH 485	85	0.148	LB A/A	PRE	98	0	83
14 CALLISTO	4	0.168	LB A/A	PRE			
14 AATREX	4	0.625	LB A/A	PRE			
14 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
14 AMS		3.7	% V/V	PRE			
15 KIH 485	85	0.148	LB A/A	PRE	96	0	81
15 CALLISTO	4	0.126	LB A/A	PRE			
15 AATREX	4	0.47	LB A/A	PRE			
15 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
15 AMS		3.7	% V/V	PRE			
16 LUMAX	3.94	2.47	LB A/A	PRE	95	0	79
16 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
16 AMS		3.7	% V/V	PRE			
17 BALANCE PRO	4	0.059	LB A/A	PRE	91	0	72
17 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
17 AMS		3.7	% V/V	PRE			
18 HORNET	68.5	0.057	LB A/A	PRE	80	0	57
18 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
18 AMS		3.7	% V/V	PRE			
19 KIH-485/ATRAZINE	57.8	1.097	LB A/A	PRE	81	0	91
19 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
19 AMS		3.7	% V/V	PRE			
20 BICEP II MAGNUM	5.5	2.2	LB A/A	PRE	92	0	92
20 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE			
20 AMS		3.7	% V/V	PRE			
LSD (P=.05)					9.1	0.0	15.3
Standard Deviation					5.5	0.0	9.3
CV					6.27	0.0	10.94
Grand Mean					87.9	0.0	84.7
Replicate F					5.059	0.000	5.772
Replicate Prob(F)					0.0113	1.0000	0.0065
Treatment F					11.813	0.000	2.576
Treatment Prob(F)					0.0001	1.0000	0.0064

NO TILL CORN

Trial ID: C6004
Location: LEXINGTON, KYProtocol ID: C6004
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-3-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B
Application Date:	5-3-06	5-23-06
Time of Day:	1 PM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	+ 21D
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	62 F
% Relative Humidity:	46	35
Wind Velocity, Unit:	4 MPH	8 MPH
Wind Direction:	SW	ESE
Soil Temperature, Unit:	65 F	60 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V2	
Height, Unit:	4	IN

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN

Trial ID: C6004
Location: LEXINGTON, KYProtocol ID: C6004
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Pest Stage At Each Application**

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Stage Majority, Percent:	2 LF	
Height, Unit:	1	IN
Pest 2 Code, Disc., Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:	6 LF	
Height, Unit:	3	IN

Application Equipment

	A	B
Appl. Equipment:	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI
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:	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL CORN III

Trial ID: C6005
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type				W Weed	W Weed	W Weed	
Pest Code				STEME	SETFA	MUHSC	
Pest Name				Common chickweed	Giant foxtail	Nimblewill	
Crop Code				ZEAMX			
BBCH Scale				BCOR			
Crop Name				Corn			
Description							
Rating Data Type				INJURY	CONTROL	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT
Plant-Eval Interval				2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes				P	P	P	P
Number of Decimals				0	0	0	0
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage	1	2	3	4
1 CHECK UNTREATED				0	0	0	0
2 GRAMOXONE INTEON	2	40 FL OZ/A	LP	0	99	99	99
2 ACTIVATOR 90		0.125 % V/V	LP				
2 LEXAR	3.7	96 FL OZ/A	SPK				
3 GRAMOXONE INTEON	2	48 FL OZ/A	LP	0	99	99	99
3 ACTIVATOR 90		0.125 % V/V	LP				
3 LEXAR	3.7	96 FL OZ/A	SPK				
4 GRAMOXONE INTEON	2	40 FL OZ/A	LP	0	99	99	99
4 WEEDONE LV4	3.8	16 FL OZ/A	LP				
4 ACTIVATOR 90		0.125 % V/V	LP				
4 LEXAR	3.7	96 FL OZ/A	SPK				
5 GRAMOXONE INTEON	2	48 FL OZ/A	LP	0	99	99	99
5 WEEDONE LV4	3.8	16 FL OZ/A	LP				
5 ACTIVATOR 90		0.125 % V/V	LP				
5 LEXAR	3.7	96 FL OZ/A	SPK				
6 GRAMOXONE INTEON	2	40 FL OZ/A	LP	0	99	95	95
6 ACTIVATOR 90		0.125 % V/V	LP				
6 LEXAR	3.7	96 FL OZ/A	LP				
7 GRAMOXONE INTEON	2	48 FL OZ/A	LP	0	99	99	99
7 ACTIVATOR 90		0.125 % V/V	LP				
7 LEXAR	3.7	96 FL OZ/A	LP				
8 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP	0	99	95	95
8 DEGREE XTRA	4.04	96 FL OZ/A	LP				
8 AMS		3.7 % V/V	LP				
9 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP	0	99	99	99
9 WEEDONE LV4	3.8	16 FL OZ/A	LP				
9 AMS		3.7 LB A/A	LP				
9 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	4W				
9 AMS		3.7 % V/V	4W				
10 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP	0	99	99	99
10 AMS		3.7 % V/V	LP				
10 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	4W				
10 AMS		3.7 % V/V	4W				
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
Grand Mean				0.0	89.1	88.3	88.3
Replicate F				0.000	0.000	0.000	0.000
Replicate Prob(F)				1.0000	1.0000	1.0000	1.0000
Treatment F				0.000	0.000	0.000	0.000
Treatment Prob(F)				1.0000	1.0000	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL CORN III

Trial ID: C6005
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type				W Weed		W Weed	W Weed
Pest Code				CHEAL		SETFA	MUHSC
Pest Name				Lambsquarters, common		Giant foxtail	Nimblewill
Crop Code					ZEAMX		
BBCH Scale					BCOR		
Crop Name					Corn		
Description							
Rating Data Type				CONTROL	INJURY	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT
Plant-Eval Interval				2 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes				P	P	P	P
Number of Decimals				0	0	0	0
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage	5	6	7	8
1 CHECK UNTREATED					0	0	0
2 GRAMOXONE INTEON	2	40 FL OZ/A	LP		99	0	93
2 ACTIVATOR 90		0.125 % V/V	LP				96
2 LEXAR	3.7	96 FL OZ/A	SPK				
3 GRAMOXONE INTEON	2	48 FL OZ/A	LP		99	0	99
3 ACTIVATOR 90		0.125 % V/V	LP				96
3 LEXAR	3.7	96 FL OZ/A	SPK				
4 GRAMOXONE INTEON	2	40 FL OZ/A	LP		99	0	98
4 WEEDONE LV4	3.8	16 FL OZ/A	LP				99
4 ACTIVATOR 90		0.125 % V/V	LP				
4 LEXAR	3.7	96 FL OZ/A	SPK				
5 GRAMOXONE INTEON	2	48 FL OZ/A	LP		99	0	98
5 WEEDONE LV4	3.8	16 FL OZ/A	LP				99
5 ACTIVATOR 90		0.125 % V/V	LP				
5 LEXAR	3.7	96 FL OZ/A	SPK				
6 GRAMOXONE INTEON	2	40 FL OZ/A	LP		99	0	95
6 ACTIVATOR 90		0.125 % V/V	LP				94
6 LEXAR	3.7	96 FL OZ/A	LP				
7 GRAMOXONE INTEON	2	48 FL OZ/A	LP		99	0	93
7 ACTIVATOR 90		0.125 % V/V	LP				87
7 LEXAR	3.7	96 FL OZ/A	LP				
8 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP		99	0	85
8 DEGREE XTRA	4.04	96 FL OZ/A	LP				82
8 AMS		3.7 % V/V	LP				
9 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP		99	0	99
9 WEEDONE LV4	3.8	16 FL OZ/A	LP				99
9 AMS		3.7 LB A/A	LP				
9 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	4W				
9 AMS		3.7 % V/V	4W				
10 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP		99	0	99
10 AMS		3.7 % V/V	LP				99
10 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	4W				
10 AMS		3.7 % V/V	4W				
LSD (P=.05)				0.0	0.0	9.3	6.5
Standard Deviation				0.0	0.0	5.4	3.8
CV				0.0	0.0	6.29	4.46
Grand Mean				89.1	0.0	85.9	85.1
Replicate F				0.000	0.000	0.517	0.673
Replicate Prob(F)				1.0000	1.0000	0.6049	0.5223
Treatment F				0.000	0.000	95.529	193.454
Treatment Prob(F)				1.0000	1.0000	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL CORN III

Trial ID: C6005
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type				W Weed		W Weed	W Weed
Pest Code				CHEAL		SETFA	MUHSC
Pest Name				Lambsquarters, common		Giant foxtail	Nimblewill
Crop Code					ZEAMX		
BBCH Scale					BCOR		
Crop Name					Corn		
Description							
Rating Data Type				CONTROL	INJURY	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT
Plant-Eval Interval				4 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes				P	P	P	P
Number of Decimals				0	0	0	0
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage	9	10	11	12
1 CHECK UNTREATED					0	0	0
2 GRAMOXONE INTEON	2	40 FL OZ/A	LP		99	0	93
2 ACTIVATOR 90		0.125 % V/V	LP				
2 LEXAR	3.7	96 FL OZ/A	SPK				96
3 GRAMOXONE INTEON	2	48 FL OZ/A	LP		99	0	99
3 ACTIVATOR 90		0.125 % V/V	LP				
3 LEXAR	3.7	96 FL OZ/A	SPK				96
4 GRAMOXONE INTEON	2	40 FL OZ/A	LP		99	0	98
4 WEEDONE LV4	3.8	16 FL OZ/A	LP				
4 ACTIVATOR 90		0.125 % V/V	LP				
4 LEXAR	3.7	96 FL OZ/A	SPK				99
5 GRAMOXONE INTEON	2	48 FL OZ/A	LP		99	0	98
5 WEEDONE LV4	3.8	16 FL OZ/A	LP				
5 ACTIVATOR 90		0.125 % V/V	LP				
5 LEXAR	3.7	96 FL OZ/A	SPK				99
6 GRAMOXONE INTEON	2	40 FL OZ/A	LP		99	0	95
6 ACTIVATOR 90		0.125 % V/V	LP				
6 LEXAR	3.7	96 FL OZ/A	LP				94
7 GRAMOXONE INTEON	2	48 FL OZ/A	LP		99	0	93
7 ACTIVATOR 90		0.125 % V/V	LP				
7 LEXAR	3.7	96 FL OZ/A	LP				87
8 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP		99	0	85
8 DEGREE XTRA	4.04	96 FL OZ/A	LP				
8 AMS		3.7 % V/V	LP				82
9 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP		99	0	99
9 WEEDONE LV4	3.8	16 FL OZ/A	LP				
9 AMS		3.7 LB A/A	LP				
9 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	4W				
9 AMS		3.7 % V/V	4W				
10 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	LP		99	0	99
10 AMS		3.7 % V/V	LP				
10 ROUNDUP WeatherMAX	4.5	22 FL OZ/A	4W				
10 AMS		3.7 % V/V	4W				
LSD (P=.05)				0.0	0.0	9.3	6.5
Standard Deviation				0.0	0.0	5.4	3.8
CV				0.0	0.0	6.29	4.46
Grand Mean				89.1	0.0	85.9	85.1
Replicate F				0.000	0.000	0.517	0.673
Replicate Prob(F)				1.0000	1.0000	0.6049	0.5223
Treatment F				0.000	0.000	95.529	193.454
Treatment Prob(F)				1.0000	1.0000	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL CORN III

Trial ID: C6005
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type W Weed
Pest Code CHEAL
Pest Name Lambsquarters, common
Crop Code ZEAMX
BBCH Scale BCOR
Crop Name Corn
Description 5 X 37
Rating Data Type CONTROL YIELD
Rating Unit PERCENT BU
Plant-Eval Interval 8 WEEK
ARM Action Codes P TY1
Number of Decimals 0 0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	13	17
1	CHECK UNTREATED					0	30
2	GRAMOXONE INTEON	2	40	FL OZ/A	LP	99	224
2	ACTIVATOR 90		0.125	% V/V	LP		
2	LEXAR	3.7	96	FL OZ/A	SPK		
3	GRAMOXONE INTEON	2	48	FL OZ/A	LP	99	229
3	ACTIVATOR 90		0.125	% V/V	LP		
3	LEXAR	3.7	96	FL OZ/A	SPK		
4	GRAMOXONE INTEON	2	40	FL OZ/A	LP	99	215
4	WEEDONE LV4	3.8	16	FL OZ/A	LP		
4	ACTIVATOR 90		0.125	% V/V	LP		
4	LEXAR	3.7	96	FL OZ/A	SPK		
5	GRAMOXONE INTEON	2	48	FL OZ/A	LP	99	230
5	WEEDONE LV4	3.8	16	FL OZ/A	LP		
5	ACTIVATOR 90		0.125	% V/V	LP		
5	LEXAR	3.7	96	FL OZ/A	SPK		
6	GRAMOXONE INTEON	2	40	FL OZ/A	LP	99	208
6	ACTIVATOR 90		0.125	% V/V	LP		
6	LEXAR	3.7	96	FL OZ/A	LP		
7	GRAMOXONE INTEON	2	48	FL OZ/A	LP	99	213
7	ACTIVATOR 90		0.125	% V/V	LP		
7	LEXAR	3.7	96	FL OZ/A	LP		
8	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LP	99	214
8	DEGREE XTRA	4.04	96	FL OZ/A	LP		
8	AMS		3.7	% V/V	LP		
9	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LP	99	211
9	WEEDONE LV4	3.8	16	FL OZ/A	LP		
9	AMS		3.7	LB A/A	LP		
9	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	4W		
9	AMS		3.7	% V/V	4W		
10	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	LP	99	191
10	AMS		3.7	% V/V	LP		
10	ROUNDUP WeatherMAX	4.5	22	FL OZ/A	4W		
10	AMS		3.7	% V/V	4W		
	LSD (P=.05)					0.0	35.4
	Standard Deviation					0.0	20.6
	CV					0.0	10.5
	Grand Mean					89.1	196.65
	Replicate F					0.000	9.372
	Replicate Prob(F)					1.0000	0.0016
	Treatment F					0.000	24.968
	Treatment Prob(F)					1.0000	0.0001

Column 14: TY1 = 4.204633*[15]*(100-[16])/84.5

NO-TILL CORN III

Trial ID: C6005
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information****Study Director:** CHARLES H. SLACK
Investigator: Charles H. Slack**Crop Description**

Crop 1: ZEAMX	Zea mays	Corn
Variety: ASGROW	RX 715	
BBCH Scale:	BCOR	Planting Date: 4-25-06
Planting Method:	ROWS	Rate, Unit: 30000 P/A
Depth, Unit:	1.5 IN	Spacing Within Row, Unit: 7 IN
Seed Bed:	SMOOTH	Soil Temperature, Unit: 65 F
Soil Moisture:	NORMAL	

Pest Description

Pest 1 Type: W	Code: STEME	Stellaria media
	Common Name:	Common chickweed
Pest 2 Type: W	Code: SETFA	Setaria faberi
	Common Name:	Giant Foxtail
Pest 3 Type: W	Code: MUHSC	Muhlenbergia schreberi
	Common Name:	Nimblewill
Pest 4 Type: W	Code: CHEAL	Chenopodium album
	Common Name:	Common lambsquarters

Site and Design

Plot Width, Unit:	10	FT	Study Design: Randomized Complete Block
Plot Length, Unit:	44	FT	
Replications:	3		

Soil Description

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

Application Description

	A	B	C
Application Date:	4-27-06	5-9-06	6-6-06
Time of Day:	1 PM	2 PM	4 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	BURNDOWN	SPK 2LF	4W
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	65 F	75 F	78 F
% Relative Humidity:	30	40	45
Wind Velocity, Unit:	4 MPH	4 MPH	4 MPH
Wind Direction:	SW	SW	SW
Soil Temperature, Unit:	60 F	65 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	5	20	10

NO-TILL CORN III

Trial ID: C6005
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		BBCH	BBCH
Stage Majority, Percent:		SPK	V8

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	STEME W	STEME W	STEME W
Height, Unit:	10	IN	
Pest 2 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	2 LF	12 LF	20 LF
Height, Unit:	4	IN 6	IN 10
Pest 3 Code, Disc., Scale:	MUHSC W	MUHSC W	MUHSC W
Height, Unit:	6	IN	
Pest 4 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:	6 LF	12 LF	
Height, Unit:	1	IN 6	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN II

Trial ID: C6006
Location: LEXINGTON, KY

Protocol ID: C6006
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type						W Weed	W Weed		W Weed	W Weed
Pest Code						SETFA	AMBTR		SETFA	AMBTR
Pest Name						Giant foxtail	Giant Ragweed		Giant foxtail	Giant Ragweed
Crop Code										
BBCH Scale										
Crop Name										
Rating Data Type						CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval						2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes						P	P	P	P	P
Number of Decimals						0	0	0	0	0
Trt Treatment	Form	Rate	Unit	Growth						
No. Name	Conc	Rate	Unit	Stage	1	2	3	4	5	6
1 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99	0	99	99
1 WEEDONE LV4	3.8	1	PT/A	PRE						
1 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP						
1 AMS		3.7	% V/V	MP						
2 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99	0	99	99
2 WEEDONE LV4	3.8	1	PT/A	PRE						
2 DEGREE XTRA	4.04	2	QT/A	PRE						
2 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP						
2 AMS		3.7	% V/V	MP						
3 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99	0	99	99
3 WEEDONE LV4	3.8	1	PT/A	PRE						
3 DEGREE XTRA	4.04	1.5	QT/A	PRE						
3 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP						
3 AMS		3.7	% V/V	MP						
4 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99	0	99	99
4 AMS		3.7	% V/V	PRE						
4 DEGREE XTRA	4.04	2	QT/A	PRE						
4 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP						
4 DISTINCT	70	1	OZ/A	MP						
4 AMS		3.7	% V/V	MP						
5 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99	0	99	99
5 WEEDONE LV4	3.8	1	PT/A	PRE						
5 DEGREE XTRA	4.04	2	QT/A	PRE						
5 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP						
5 DISTINCT	70	2	OZ/A	MP						
5 AMS		3.7	% V/V	MP						
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99	0	99	99
6 WEEDONE LV4	3.8	1	PT/A	PRE						
6 DEGREE XTRA	4.04	2	QT/A	PRE						
6 AMS		3.7	% V/V	PRE						
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP						
6 DISTINCT	70	4	OZ/A	MP						
6 AMS		3.7	% V/V	MP						
7 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99	0	99	99
7 WEEDONE LV4	3.8	1	PT/A	PRE						
7 AMS		3.7	% V/V	PRE						
7 LEXAR	3.7	3	QT/A	PRE						
7 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	MP						
7 AMS		3.7	% V/V	MP						
8 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99	0	99	99
8 WEEDONE LV4	3.8	1	PT/A	PRE						
8 AMS		3.7	% V/V	PRE						
8 LUMAX	3.94	2.5	QT/A	PRE						
8 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	MP						
8 AMS		3.7	% V/V	MP						
9 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	93	0	92	86
9 WEEDONE LV4	3.8	1	PT/A	PRE						
9 LEXAR	3.7	3	QT/A	PRE						
9 AMS		3.7	% V/V	PRE						

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN II

Trial ID: C6006
Location: LEXINGTON, KY

Protocol ID: C6006
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed		W Weed
Pest Code		SETFA		AMBTR		SETFA		AMBTR
Pest Name		Giant foxtail		Giant Ragweed		Giant foxtail		Giant Ragweed
Crop Code	ZEAMX					ZEAMX		
BBCH Scale	BCOR					BCOR		
Crop Name	Corn					Corn		
Rating Data Type	INJURY	CONTROL		CONTROL	INJURY	CONTROL		CONTROL
Rating Unit	PERCENT	PERCENT		PERCENT	PERCENT	PERCENT		PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK		2 WEEK	4 WEEK	4 WEEK		4 WEEK
ARM Action Codes	P	P		P	P	P		P
Number of Decimals	0	0		0	0	0		0

Trt Treatment	Form	Rate	Growth							
No. Name	Conc	Rate	Unit	Stage	1	2	3	4	5	6
10 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99	0	99	99
10 WEEDONE LV4	3.8	1	PT/A	PRE						
10 LUMAX	3.94	2.5	QT/A	PRE						
10 AMS		3.7	% V/V	PRE						
11 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99	0	99	99
11 WEEDONE LV4	3.8	1	PT/A	PRE						
11 AMS		3.7	% V/V	PRE						
11 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	MP						
11 CALLISTO		4	3 FL OZ/A	MP						
11 AMS		3.7	% V/V	MP						
12 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99	0	99	99
12 WEEDONE LV4	3.8	1	PT/A	PRE						
12 LEXAR	3.7	1.5	QT/A	PRE						
12 AMS		3.7	% V/V	PRE						
12 LEXAR	3.7	1.5	QT/A	5C						
LSD (P=.05)					0.0	0.0	1.4	0.0	1.4	0.8
Standard Deviation					0.0	0.0	0.8	0.0	0.8	0.5
CV					0.0	0.0	0.85	0.0	0.85	0.51
Grand Mean					0.0	99.0	98.53	0.0	98.39	97.92
Replicate F					0.000	0.000	1.000	0.000	1.000	1.000
Replicate Prob(F)					1.0000	1.0000	0.3840	1.0000	0.3840	0.3840
Treatment F					0.000	0.000	11.560	0.000	19.360	169.000
Treatment Prob(F)					1.0000	1.0000	0.0001	1.0000	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN II

Trial ID: C6006
Location: LEXINGTON, KY

Protocol ID: C6006
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed
Pest Code		SETFA	AMBTR
Pest Name		Giant foxtail	Giant Ragweed
Crop Code	ZEAMX		
BBCH Scale	BCOR		
Crop Name	Corn		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form	Rate	Unit	Growth Stage	7	8	9
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99
1	WEEDONE LV4	3.8	1	PT/A	PRE			
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
1	AMS		3.7	% V/V	MP			
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99
2	WEEDONE LV4	3.8	1	PT/A	PRE			
2	DEGREE XTRA	4.04	2	QT/A	PRE			
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
2	AMS		3.7	% V/V	MP			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99
3	WEEDONE LV4	3.8	1	PT/A	PRE			
3	DEGREE XTRA	4.04	1.5	QT/A	PRE			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
3	AMS		3.7	% V/V	MP			
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99
4	AMS		3.7	% V/V	PRE			
4	DEGREE XTRA	4.04	2	QT/A	PRE			
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
4	DISTINCT	70	1	OZ/A	MP			
4	AMS		3.7	% V/V	MP			
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99
5	WEEDONE LV4	3.8	1	PT/A	PRE			
5	DEGREE XTRA	4.04	2	QT/A	PRE			
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
5	DISTINCT	70	2	OZ/A	MP			
5	AMS		3.7	% V/V	MP			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	99
6	WEEDONE LV4	3.8	1	PT/A	PRE			
6	DEGREE XTRA	4.04	2	QT/A	PRE			
6	AMS		3.7	% V/V	PRE			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
6	DISTINCT	70	4	OZ/A	MP			
6	AMS		3.7	% V/V	MP			
7	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99
7	WEEDONE LV4	3.8	1	PT/A	PRE			
7	AMS		3.7	% V/V	PRE			
7	LEXAR	3.7	3	QT/A	PRE			
7	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	MP			
7	AMS		3.7	% V/V	MP			
8	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99
8	WEEDONE LV4	3.8	1	PT/A	PRE			
8	AMS		3.7	% V/V	PRE			
8	LUMAX	3.94	2.5	QT/A	PRE			
8	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	MP			
8	AMS		3.7	% V/V	MP			
9	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	86
9	WEEDONE LV4	3.8	1	PT/A	PRE			
9	LEXAR	3.7	3	QT/A	PRE			
9	AMS		3.7	% V/V	PRE			

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN II

Trial ID: C6006
Location: LEXINGTON, KY

Protocol ID: C6006
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed
Pest Code		SETFA	AMBTR
Pest Name		Giant foxtail	Giant Ragweed
Crop Code	ZEAMX		
BBCH Scale	BCOR		
Crop Name	Corn		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Unit	Stage	7	8	9
10 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99
10 WEEDONE LV4	3.8	1	PT/A	PRE			
10 LUMAX	3.94	2.5	QT/A	PRE			
10 AMS		3.7	% V/V	PRE			
11 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99
11 WEEDONE LV4	3.8	1	PT/A	PRE			
11 AMS		3.7	% V/V	PRE			
11 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	MP			
11 CALLISTO	4	3	FL OZ/A	MP			
11 AMS		3.7	% V/V	MP			
12 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	99
12 WEEDONE LV4	3.8	1	PT/A	PRE			
12 LEXAR	3.7	1.5	QT/A	PRE			
12 AMS		3.7	% V/V	PRE			
12 LEXAR	3.7	1.5	QT/A	5C			
LSD (P=.05)					0.0	0.0	0.8
Standard Deviation					0.0	0.0	0.5
CV					0.0	0.0	0.51
Grand Mean					0.0	99.0	97.92
Replicate F					0.000	0.000	1.000
Replicate Prob(F)					1.0000	1.0000	0.3840
Treatment F					0.000	0.000	169.000
Treatment Prob(F)					1.0000	1.0000	0.0001

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN II

Trial ID: C6006
Location: LEXINGTON, KYProtocol ID: C6006
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: GARST 8489 GT
BBCH Scale: BCOR **Planting Date:** 5-9-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM
Soil Moisture: NORMAL

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B	C
Application Date:	5-13-06	6-1-06	6-8-06
Time of Day:	10 AM	11 AM	11 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	5C	MP
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	65 F	85 F	73 F
% Relative Humidity:	70	50	66
Wind Velocity, Unit:	6 MPH	6 MPH	5 MPH
Wind Direction:	SW	SW	NNW
Soil Temperature, Unit:	70 F	75 F	75 F
Soil Moisture:	EXCESSIVE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	70

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale:	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Stage Scale Used:		V3		V5		
Diameter, Unit:		5	IN	12	IN	

NO TILL CORN II

Trial ID: C6006
Location: LEXINGTON, KYProtocol ID: C6006
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Application Equipment**

	A	B	C
Appl. Equipment:	ATV	ATV	BACKPACK
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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	5 FT
Boom Height, Unit:	19 IN	19 IN	25 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

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN DANDELION

Trial ID: C6007
Location: LEXINGTON, KY

Protocol ID: C6007
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed			W Weed		
Pest Code	TAROF			TAROF		
Pest Name	Common dandelion			Common dandelion		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	4 WEEK	4 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth	1		2		3		4		5	
No.	Name	Conc	Unit	Stage										
1	DEGREE XTRA	4.04	2 QT/A	PRE	0		77	0		77	0			
1	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE										
1	AMS		3.7 % V/V	PRE										
2	DEGREE XTRA	4.04	2 QT/A	PRE	0		73	0		73	0			
2	DISTINCT	70	1 OZ/A	PRE										
2	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE										
2	AMS		3.7 % V/V	PRE										
3	DEGREE XTRA	4.04	2 QT/A	PRE	0		90	0		90	0			
3	DISTINCT	70	2 OZ/A	PRE										
3	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE										
3	AMS		3.7 % V/V	PRE										
4	DEGREE XTRA	4.04	2 QT/A	PRE	0		90	0		90	0			
4	DISTINCT	70	3 OZ/A	PRE										
4	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE										
4	AMS		3.7 % V/V	PRE										
5	LEXAR	3.7	3.5 QT/A	PRE	0		89	0		89	0			
5	TOUCHDOWN TOTAL	4.17	24 FL OZ/A	PRE										
5	AMS		1 % V/V	PRE										
6	LUMAX	3.94	3 QT/A	PRE	0		83	0		83	0			
6	TOUCHDOWN TOTAL	4.17	24 FL OZ/A	PRE										
6	AMS		1 % V/V	PRE										
7	LEXAR	3.7	3.5 QT/A	PRE	0		86	0		86	0			
7	GRAMOXONE INTEON	2	40 OZ/A	PRE										
7	WEEDONE LV4	3.8	1 PT/A	PRE										
7	INDUCE		0.25 % V/V	PRE										
8	LUMAX	3.94	3 QT/A	PRE	0		80	0		80	0			
8	GRAMOXONE INTEON	2	40 OZ/A	PRE										
8	WEEDONE LV4	3.8	1 PT/A	PRE										
8	INDUCE		0.25 % V/V	PRE										
9	DEGREE XTRA	4.04	2 QT/A	PRE	0		95	0		95	0			
9	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	PRE										
9	AMS		3.7 % V/V	PRE										
9	ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	LP										
9	AMS		3.7 % V/V	LP										
10	LEXAR	3.7	3.5 QT/A	PRE	0		93	0		93	0			
10	TOUCHDOWN TOTAL	4.17	24 FL OZ/A	PRE										
10	AMS		1 % V/V	PRE										
10	TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP										
10	AMS		1 % V/V	LP										
LSD (P=.05)					0.0		19.1	0.0		19.1	0.0			
Standard Deviation					0.0		11.2	0.0		11.2	0.0			
CV					0.0		13.01	0.0		13.01	0.0			
Grand Mean					0.0		85.7	0.0		85.7	0.0			

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN DANDELION

Trial ID: C6007
Location: LEXINGTON, KY

Protocol ID: C6007
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed	
Pest Code		TAROF		TAROF	
Pest Name		Common dandelion		Common dandelion	
Crop Code	ZEAMX		ZEAMX		ZEAMX
BBCH Scale	BCOR		BCOR		BCOR
Crop Name	Corn		Corn		Corn
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Stage	1	2	3	4	5	
Replicate F				0.000	0.951	0.000	0.951	0.000	
Replicate Prob(F)				1.0000	0.4049	1.0000	0.4049	1.0000	
Treatment F				0.000	1.253	0.000	1.253	0.000	
Treatment Prob(F)				1.0000	0.3253	1.0000	0.3253	1.0000	

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN DANDELION

Trial ID: C6007
Location: LEXINGTON, KY

Protocol ID: C6007
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type W Weed
Pest Code TAROF
Pest Name Common dandelion
Crop Code
BBCH Scale
Crop Name
Rating Data Type CONTROL
Rating Unit PERCENT
Trt-Eval Interval 8 WEEK
ARM Action Codes P
Number of Decimals 0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	AOV
1	DEGREE XTRA	4.04	2	QT/A	PRE	77
1	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	
1	AMS		3.7	% V/V	PRE	
2	DEGREE XTRA	4.04	2	QT/A	PRE	73
2	DISTINCT	70	1	OZ/A	PRE	
2	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	
2	AMS		3.7	% V/V	PRE	
3	DEGREE XTRA	4.04	2	QT/A	PRE	90
3	DISTINCT	70	2	OZ/A	PRE	
3	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	
3	AMS		3.7	% V/V	PRE	
4	DEGREE XTRA	4.04	2	QT/A	PRE	90
4	DISTINCT	70	3	OZ/A	PRE	
4	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	
4	AMS		3.7	% V/V	PRE	
5	LEXAR	3.7	3.5	QT/A	PRE	89
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	
5	AMS		1	% V/V	PRE	
6	LUMAX	3.94	3	QT/A	PRE	83
6	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	
6	AMS		1	% V/V	PRE	
7	LEXAR	3.7	3.5	QT/A	PRE	86
7	GRAMOXONE INTEON	2	40	OZ/A	PRE	
7	WEEDONE LV4	3.8	1	PT/A	PRE	
7	INDUCE		0.25	% V/V	PRE	
8	LUMAX	3.94	3	QT/A	PRE	80
8	GRAMOXONE INTEON	2	40	OZ/A	PRE	
8	WEEDONE LV4	3.8	1	PT/A	PRE	
8	INDUCE		0.25	% V/V	PRE	
9	DEGREE XTRA	4.04	2	QT/A	PRE	95
9	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	PRE	
9	AMS		3.7	% V/V	PRE	
9	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	LP	
9	AMS		3.7	% V/V	LP	
10	LEXAR	3.7	3.5	QT/A	PRE	93
10	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	
10	AMS		1	% V/V	PRE	
10	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	
10	AMS		1	% V/V	LP	

LSD (P=.05) 19.1
Standard Deviation 11.2
CV 13.01
Grand Mean 85.7

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN DANDELION

Trial ID: C6007
Location: LEXINGTON, KY

Protocol ID: C6007
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed
Pest Code	TAROF
Pest Name	Common dandelion
Crop Code	
BBCH Scale	
Crop Name	
Rating Data Type	CONTROL
Rating Unit	PERCENT
Trt-Eval Interval	8 WEEK
ARM Action Codes	P
Number of Decimals	0

Trt Treatment No.	Form Name	Rate	Unit	Growth Stage	
					6

Replicate F	0.951
Replicate Prob(F)	0.4049
Treatment F	1.253
Treatment Prob(F)	0.3253

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN DANDELION

Trial ID: C6007
Location: LEXINGTON, KYProtocol ID: C6007
Study Director: CHRLES H. SLACK
Investigator: Charles H Slack**General Trial Information****Study Director:** CHRLES H. SLACK
Investigator: Charles H Slack**Crop Description**

Crop 1: ZEAMX	Zea mays	Corn
Variety: ASGROW	RX715RR2/YGCB	
BBCH Scale:	BCOR	Planting Date: 5-3-06
Planting Method:	ROWS	Rate, Unit: 30000 P/A
Depth, Unit:	1.5 IN	
Row Spacing, Unit:	30 IN	Spacing Within Row, Unit: 7 IN
Seed Bed:	MEDIUM	Soil Temperature, Unit: 70 F
Soil Moisture:	NORMAL	

Pest Description**Pest 1 Type:** W **Code:** TAROF Taraxacum officinale
Common Name: Common dandelion**Site and Design**

Plot Width, Unit:	10	FT	Study Design: Randomized Complete Block
Plot Length, Unit:	44	FT	
Replications:	3		

Soil Description

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

Application Description

	A	B
Application Date:	5-5-06	6-8-06
Time of Day:	2 PM	1 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LP
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	69 F	73 F
% Relative Humidity:	30	64
Wind Velocity, Unit:	2 MPH	6 MPH
Wind Direction:	SW	NNW
Soil Temperature, Unit:	65 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	50

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V8	
Height, Unit:	20	IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	TAROF W	TAROF W
Height, Unit:	8	IN 4 IN

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN DANDELION

Trial ID: C6007
Location: LEXINGTON, KYProtocol ID: C6007
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Application Equipment**

	A	B
Appl. Equipment:	ATV	BACKPACK
Operating Pressure, Unit:	30 PSI	30 PSI
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8004 DG	8004 DG
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	10 FT	5 FT
Boom Height, Unit:	19 IN	25 IN
Ground Speed, Unit:	4 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT ROUNDUP READY

Trial ID: C6008
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed		W Weed	W Weed
Pest Code		SETFA	AMBTR		SETFA	AMBTR
Pest Name		Giant foxtail	Giant Ragweed		Giant foxtail	Giant Ragweed
Crop Code	ZEAMX			ZEAMX		
BBCH Scale	BCOR			BCOR		
Crop Name	Corn			Corn		
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Rate	Unit	Growth	1	2	3	4	5	6
No.	Name	Conc	Rate	Unit	Stage						
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	99	0	83	86
1	AMS		3.7	% V/V	2WK						
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C						
1	AMS		3.7	% V/V	14C						
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	99	0	88	79
2	AMS		3.7	% V/V	2WK						
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C						
2	PROWL H2O	3.8	2.5	PT/A	14C						
2	AMS		3.7	% V/V	14C						
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	99	0	79	83
3	AMS		3.7	% V/V	2WK						
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C						
3	DISTINCT	70	2	OZ/A	14C						
3	AGRIDEX		1	% V/V	14C						
3	LIQUID N		1.5	QT/A	14C						
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	99	0	96	96
4	AMS		3.7	% V/V	2WK						
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C						
4	DISTINCT	70	2	OZ/A	14C						
4	GUARDSMAN MAX	5	4	PT/A	14C						
4	AGRIDEX		1	% V/V	14C						
4	LIQUID N		1.5	QT/A	14C						
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	99	0	99	99
5	AMS		3.7	% V/V	2WK						
5	GUARDSMAN MAX	5	4	PT/A	PRE						
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	30C						
5	AMS		3.7	% V/V	30C						
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	99	0	99	99
6	AMS		3.7	% V/V	2WK						
6	BICEP II MAGNUM	5.5	2.1	QT/A	PRE						
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	30C						
6	AMS		3.7	% V/V	30C						
LSD (P=.05)						0.0	0.0	0.0	0.0	13.3	12.6
Standard Deviation						0.0	0.0	0.0	0.0	7.3	6.9
CV						0.0	0.0	0.0	0.0	8.07	7.64
Grand Mean						0.0	99.0	99.0	0.0	90.83	90.44
Replicate F						0.000	0.000	0.000	0.000	1.733	1.870
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000	0.2259	0.2041
Treatment F						0.000	0.000	0.000	0.000	4.056	4.795
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0285	0.0170

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT ROUNDUP READY

Trial ID: C6008
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed
Pest Code		SETFA	AMBTR
Pest Name		Giant foxtail	Giant Ragweed
Crop Code	ZEAMX		
BBCH Scale	BCOR		
Crop Name	Corn		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form	Rate	Unit	Growth Stage	7	8	9
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	83	85
1	AMS		3.7	% V/V	2WK			
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C			
1	AMS		3.7	% V/V	14C			
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	88	78
2	AMS		3.7	% V/V	2WK			
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C			
2	PROWL H2O	3.8	2.5	PT/A	14C			
2	AMS		3.7	% V/V	14C			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	79	81
3	AMS		3.7	% V/V	2WK			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C			
3	DISTINCT	70	2	OZ/A	14C			
3	AGRINDEX		1	% V/V	14C			
3	LIQUID N		1.5	QT/A	14C			
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	96	93
4	AMS		3.7	% V/V	2WK			
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	14C			
4	DISTINCT	70	2	OZ/A	14C			
4	GUARDSMAN MAX	5	4	PT/A	14C			
4	AGRINDEX		1	% V/V	14C			
4	LIQUID N		1.5	QT/A	14C			
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	94	93
5	AMS		3.7	% V/V	2WK			
5	GUARDSMAN MAX	5	4	PT/A	PRE			
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	30C			
5	AMS		3.7	% V/V	30C			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	95	95
6	AMS		3.7	% V/V	2WK			
6	BICEP II MAGNUM	5.5	2.1	QT/A	PRE			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	30C			
6	AMS		3.7	% V/V	30C			
LSD (P=.05)						0.0	14.7	10.2
Standard Deviation						0.0	8.1	5.6
CV						0.0	9.04	6.37
Grand Mean						0.0	89.33	87.67
Replicate F						0.000	1.031	2.797
Replicate Prob(F)						1.0000	0.3918	0.1085
Treatment F						0.000	2.247	4.941
Treatment Prob(F)						1.0000	0.1293	0.0154

NO TILL CORN EARLY PREPLANT ROUNDUP READY

Trial ID: C6008
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX 715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-15-06
Planting Method: ROW **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Soil Temperature, Unit: 75 F

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C	D
Application Date:	4-27-06	5-15-06	5-31-06	6-21-06
Time of Day:	1:30 PM	10 AM	10 AM	3 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	PRE	14C	30C
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	65 F	75 F	75 F	88 F
% Relative Humidity:	30	50	50	40
Wind Velocity, Unit:	4 MPH	4 MPH	4 MPH	4 MPH
Wind Direction:	SW	SW	SW	SW
Soil Temperature, Unit:	60 F	65 F	65 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	10	0

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		V5	V8	
Height, Unit:		14	IN 30	IN

NO TILL CORN EARLY PREPLANT ROUNDUP READY

Trial ID: C6008
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Pest Stage At Each Application**

	A	B	C	D	
Pest 1 Code, Disc., Scale:	SETFA	W SETFA	W SETFA	W SETFA	W
Height, Unit:			4	IN 10	IN
Pest 2 Code, Disc., Scale:	AMBTR	W AMBTR	W AMBTR	W AMBTR	W
Height, Unit:			8	IN 12	IN

Application Equipment

	A		B		C	
Appl. Equipment:	ATV		ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI	30	PSI
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:	19	IN	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH	4	MPH
Carrier:	WATER		WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA	24	GPA
Propellant:	CO2		CO2		CO2	
	D					
Appl. Equipment:	BACKPACK					
Operating Pressure, Unit:	30	PSI				
Nozzle Type:	FLAT FAN					
Nozzle Size:	8004 DG					
Nozzle Spacing, Unit:	20	IN				
Boom Length, Unit:	5	FT				
Boom Height, Unit:	25	IN				
Ground Speed, Unit:	3.5	MPH				
Carrier:	WATER					
Spray Volume, Unit:	24	GPA				
Propellant:	CO2					

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT CLEARFIELD

Trial ID: C6009
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed		W Weed	W Weed
Pest Code		SETFA	AMBTR		SETFA	AMBTR
Pest Name		Giant foxtail	Giant Ragweed		Giant foxtail	Giant Ragweed
Crop Code	ZEAMX				ZEAMX	
BBCH Scale	BCOR				BCOR	
Crop Name	Corn				Corn	
Rating Data Type	INJURY	CONTROL	CONTROL	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Rate	Unit	Growth	1	2	3	4	5	6
No.	Name	Conc	Rate	Unit	Stage						
1	EXTREME	2.17	3	PT/A	2WK	0	99	99	0	98	84
1	AGRIDEX		1	QT/A	2WK						
1	LIQUID N		1.5	QT/A	2WK						
1	LIGHTNING	70	1.28	OZ/A	14C						
1	DISTINCT	70	2	OZ/A	14C						
1	AGRIDEX		1	% V/V	14C						
1	LIQUID N		1.5	QT/A	14C						
2	EXTREME	2.17	3	PT/A	2WK	0	99	99	0	98	86
2	AATREX	4	2	PT/A	2WK						
2	AGRIDEX		1	QT/A	2WK						
2	LIQUID N		1.5	QT/A	2WK						
2	LIGHTNING	70	1.28	OZ/A	14C						
2	DISTINCT	70	2	OZ/A	14C						
2	AGRIDEX		1	% V/V	14C						
2	LIQUID N		1.5	QT/A	14C						
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	98	0	93	88
3	AMS		3.7	% V/V	2WK						
3	LIGHTNING	70	1.28	OZ/A	14C						
3	DISTINCT	70	2	OZ/A	14C						
3	AGRIDEX		1	% V/V	14C						
3	LIQUID N		1.5	QT/A	14C						
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	98	95	0	86	89
4	DISTINCT	70	2	OZ/A	2WK						
4	AGRIDEX		1	% V/V	2WK						
4	LIQUID N		1.5	QT/A	2WK						
4	LIGHTNING	70	1.28	OZ/A	14C						
4	DISTINCT	70	2	OZ/A	14C						
4	AGRIDEX		1	% V/V	14C						
4	LIQUID N		1.5	QT/A	14C						
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	96	96	0	83	92
5	BICEP II MAGNUM	5.5	3.1	QT/A	2WK						
5	SPIRIT	57	1	OZ/A	14C						
5	AGRIDEX		1	QT/A	14C						
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	93	0	90	76
6	CINCH ATZ	5.5	3.1	QT/A	2WK						
6	STEADFAST	75	0.75	OZ/A	14C						
6	AGRIDEX		1	QT/A	14C						
6	LIQUID N		2	QT/A	14C						
LSD (P=.05)						0.0	3.9	5.1	0.0	14.3	15.2
Standard Deviation						0.0	2.1	2.8	0.0	7.8	8.4
CV						0.0	2.18	2.9	0.0	8.59	9.77
Grand Mean						0.0	98.28	96.56	0.0	91.28	85.83
Replicate F						0.000	2.046	5.141	0.000	0.153	0.598
Replicate Prob(F)						1.0000	0.1799	0.0291	1.0000	0.8603	0.5686
Treatment F						0.000	1.000	2.269	0.000	1.778	1.269
Treatment Prob(F)						1.0000	0.4651	0.1266	1.0000	0.2051	0.3490

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT CLEARFIELD

Trial ID: C6009
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed
Pest Code		SETFA	AMBTR
Pest Name		Giant foxtail	Giant Ragweed
Crop Code	ZEAMX		
BBCH Scale	BCOR		
Crop Name	Corn		
Rating Data Type	INJURY	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	7	8	9
1	EXTREME	2.17	3	PT/A	2WK	0	98	78
1	AGRIDEX		1	QT/A	2WK			
1	LIQUID N		1.5	QT/A	2WK			
1	LIGHTNING	70	1.28	OZ/A	14C			
1	DISTINCT	70	2	OZ/A	14C			
1	AGRIDEX		1	% V/V	14C			
1	LIQUID N		1.5	QT/A	14C			
2	EXTREME	2.17	3	PT/A	2WK	0	98	78
2	AATREX	4	2	PT/A	2WK			
2	AGRIDEX		1	QT/A	2WK			
2	LIQUID N		1.5	QT/A	2WK			
2	LIGHTNING	70	1.28	OZ/A	14C			
2	DISTINCT	70	2	OZ/A	14C			
2	AGRIDEX		1	% V/V	14C			
2	LIQUID N		1.5	QT/A	14C			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	93	85
3	AMS		3.7	% V/V	2WK			
3	LIGHTNING	70	1.28	OZ/A	14C			
3	DISTINCT	70	2	OZ/A	14C			
3	AGRIDEX		1	% V/V	14C			
3	LIQUID N		1.5	QT/A	14C			
4	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	86	83
4	DISTINCT	70	2	OZ/A	2WK			
4	AGRIDEX		1	% V/V	2WK			
4	LIQUID N		1.5	QT/A	2WK			
4	LIGHTNING	70	1.28	OZ/A	14C			
4	DISTINCT	70	2	OZ/A	14C			
4	AGRIDEX		1	% V/V	14C			
4	LIQUID N		1.5	QT/A	14C			
5	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	83	88
5	BICEP II MAGNUM	5.5	3.1	QT/A	2WK			
5	SPIRIT	57	1	OZ/A	14C			
5	AGRIDEX		1	QT/A	14C			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	90	68
6	CINCH ATZ	5.5	3.1	QT/A	2WK			
6	STEADFAST	75	0.75	OZ/A	14C			
6	AGRIDEX		1	QT/A	14C			
6	LIQUID N		2	QT/A	14C			
LSD (P=.05)						0.0	14.3	18.8
Standard Deviation						0.0	7.8	10.4
CV						0.0	8.59	12.92
Grand Mean						0.0	91.28	80.17
Replicate F						0.000	0.153	0.727
Replicate Prob(F)						1.0000	0.8603	0.5074
Treatment F						0.000	1.778	1.321
Treatment Prob(F)						1.0000	0.2051	0.3300

NO TILL CORN EARLY PREPLANT CLEARFIELD

Trial ID: C6009
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: GARST 8294YG IT
BBCH Scale: BCOR **Planting Date:** 5-5-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 75 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B
Application Date:	4-27-06	5-31-06
Time of Day:	1:30 PM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	2 WK	14C
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	65 F	75 F
% Relative Humidity:	30	50
Wind Velocity, Unit:	4 MPH	4 MPH
Wind Direction:	SW	SW
Soil Temperature, Unit:	60 F	65 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V5	
Height, Unit:	14	IN

NO TILL CORN EARLY PREPLANT CLEARFIELD

Trial ID: C6009

Location: LEXINGTON, KY

Protocol ID:

Study Director: CHARLES H. SLACK

Investigator: Charles H Slack

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Height, Unit:	4	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W
Height, Unit:	6	IN

Application Equipment

	A		B	
Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
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:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE IV

Trial ID: C6011
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed
Pest Code		SETFA		CHEAL		SETFA
Pest Name		Giant foxtail Lambsquarters, common			Giant foxtail	
Crop Code	ZEAMX				ZEAMX	
BBCH Scale	BCOR				BCOR	
Crop Name	Corn				Corn	
Rating Data Type	INJURY	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
Number of Decimals	0	0		0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
1	CHECK UNTREATED					0	0		0	0
2	KIH 485	85	0.112	LB A/A	PRE	0	99		99	0
3	KIH 485	85	0.148	LB A/A	PRE	0	99		99	0
4	KIH 485	85	0.186	LB A/A	PRE	0	99		99	0
5	KIH 485	85	0.296	LB A/A	PRE	0	99		99	0
6	DUAL II	7.64	1.27	LB A/A	PRE	0	99		99	0
7	HARNESS	7	1.55	LB A/A	PRE	0	99		99	0
8	HARNESS	7	1.99	LB A/A	PRE	0	99		99	0
9	KIH 485	85	0.148	LB A/A	PRE	0	99		99	0
9	AATREX	4	1	LB A/A	PRE					
10	BICEP II MAGNUM	5.5	2.2	LB A/A	PRE	0	99		99	0
	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
	Grand Mean					0.0	89.1		89.1	0.0
	Replicate F					0.000	0.000		0.000	0.000
	Replicate Prob(F)					1.0000	1.0000		1.0000	1.0000
	Treatment F					0.000	0.000		0.000	0.000
	Treatment Prob(F)					1.0000	1.0000		1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE IV

Trial ID: C6011
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	CHEAL	SETFA
Pest Name	Lambsquarters, common	Giant foxtail
Crop Code	ZEAMX	
BBCH Scale	BCOR	
Crop Name	Corn	
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt Treatment No. Name	Form Conc	Rate Rate	Growth Unit Stage	6	7	8
1 CHECK UNTREATED				0	0	0
2 KIH 485	85	0.112 LB	A/A PRE	99	0	96
3 KIH 485	85	0.148 LB	A/A PRE	99	0	95
4 KIH 485	85	0.186 LB	A/A PRE	99	0	99
5 KIH 485	85	0.296 LB	A/A PRE	99	0	99
6 DUAL II	7.64	1.27 LB	A/A PRE	99	0	98
7 HARNESS	7	1.55 LB	A/A PRE	99	0	95
8 HARNESS	7	1.99 LB	A/A PRE	99	0	95
9 KIH 485	85	0.148 LB	A/A PRE	99	0	99
9 AATREX	4	1 LB	A/A PRE			
10 BICEP II MAGNUM	5.5	2.2 LB	A/A PRE	99	0	98
LSD (P=.05)				0.0	0.0	5.6
Standard Deviation				0.0	0.0	3.2
CV				0.0	0.0	3.73
Grand Mean				89.1	0.0	87.23
Replicate F				0.000	0.000	0.344
Replicate Prob(F)				1.0000	1.0000	0.7134
Treatment F				0.000	0.000	267.864
Treatment Prob(F)				1.0000	1.0000	0.0001

CORN PREEMERGENCE IV

Trial ID: C6011
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: GARST 8489 GT
BBCH Scale: BCOR **Planting Date:** 4-27-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 62 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail

Pest 2 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description**A**

Application Date: 4-28-06
Time of Day: 2 PM
Application Method: SPRAY
Application Timing: PRE
Application Placement: BROSOI
Applied By: C. H. SLACK
Air Temperature, Unit: 71 F
% Relative Humidity: 30
Wind Velocity, Unit: 4 MPH
Wind Direction: SW
Soil Temperature, Unit: 65 F
Soil Moisture: ADEQUATE

Crop Stage At Each Application**A**

Crop 1 Code, BBCH Scale: ZEAMX BCOR

CORN PREEMERGENCE IV

Trial ID: C6011
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Pest Stage At Each Application****A****Pest 1 Code, Disc., Scale:** SETFA W**Pest 2 Code, Disc., Scale:** CHEAL W**Application Equipment****A**

Appl. Equipment:	ATV	
Operating Pressure, Unit:	30	PSI
Nozzle Type:	FLAT FAN	
Nozzle Size:	8004 DG	
Nozzle Spacing, Unit:	20	IN
Boom Length, Unit:	10	FT
Boom Height, Unit:	19	IN
Ground Speed, Unit:	4	MPH
Carrier:	WATER	
Spray Volume, Unit:	24	GPA
Propellant:	CO2	

CORN PREEMERGENCE V

Trial ID: C6011-2
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: GARST 8489 GT
BBCH Scale: BCOR **Planting Date:** 4-27-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 62 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Site and Design

Plot Width, Unit: 5 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

A
Application Date: 5-2-06
Time of Day: 5 PM
Application Method: SPRAY
Application Timing: PRE
Application Placement: BROSOI
Applied By: C. H. SLACK
Air Temperature, Unit: 67 F
% Relative Humidity: 58
Wind Velocity, Unit: 8 MPH
Wind Direction: SW
Soil Temperature, Unit: 70 F
Soil Moisture: ADEQUATE
% Cloud Cover: 10

Crop Stage At Each Application

A
Crop 1 Code, BBCH Scale: ZEAMX BCOR

Pest Stage At Each Application

A
Pest 1 Code, Disc., Scale: SETFA W

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CORN PREEMERGENCE V

Trial ID: C6011-2
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Application Equipment

A

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

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE VI

Trial ID: C6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			ZEAMX
BBCH Scale	BCOR			BCOR
Crop Name	Corn			Corn
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
Number of Decimals	0	0	0	0 0

Trt	Treatment	Form	Rate	Growth	1	2	3	4	5
No.	Name	Conc	Rate	Unit	Stage				
1	CHECK UNTREATED				0	0	0	0	0
2	KIH 485	85	0.148	LB A/A	PRE	0	99	57	89
3	KIH 485	85	0.296	LB A/A	PRE	0	99	75	99
4	KIH 485	85	0.148	LB A/A	PRE	3	99	85	99
4	BALANCE PRO	4	0.059	LB A/A	PRE				
5	KIH 485	85	0.148	LB A/A	PRE	0	99	67	99
5	BALANCE PRO	4	0.045	LB A/A	PRE				
6	KIH 485	85	0.148	LB A/A	PRE	0	99	78	99
6	HORNET	68.5	0.087	LB A/A	PRE				
7	KIH 485	85	0.148	LB A/A	PRE	0	99	67	99
7	HORNET	68.5	0.053	LB A/A	PRE				
8	KIH 485	85	0.148	LB A/A	PRE	0	99	99	99
8	CALLISTO	4	0.168	LB A/A	PRE				
8	AATREX	4	0.625	LB A/A	PRE				
9	KIH 485	85	0.148	LB A/A	PRE	0	99	98	99
9	CALLISTO	4	0.126	LB A/A	PRE				
9	AATREX	4	0.47	LB A/A	PRE				
10	LUMAX	3.94	2.47	LB A/A	PRE	0	99	95	99
11	BALANCE PRO	4	0.059	LB A/A	PRE	0	99	82	99
12	HORNET	68.5	0.057	LB A/A	PRE	0	99	57	99
13	KIH-485/ATRAZINE	57.8	1.097	LB A/A	PRE	0	99	87	99
14	BICEP LITE II MAGNUM	6	1.65	LB A/A	PRE	0	99	80	99
15	BICEP II MAGNUM	5.5	2.2	LB A/A	PRE	0	99	88	99
	LSD (P=.05)				2.2	0.0	12.6	7.2	0.0
	Standard Deviation				1.3	0.0	7.5	4.3	0.0
	CV				670.82	0.0	10.16	4.71	0.0
	Grand Mean				0.2	92.4	74.2	91.76	0.0
	Replicate F				1.000	0.000	0.394	1.000	0.000
	Replicate Prob(F)				0.3806	1.0000	0.6777	0.3806	1.0000
	Treatment F				1.000	0.000	31.691	104.423	0.000
	Treatment Prob(F)				0.4793	1.0000	0.0001	0.0001	1.0000

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CORN PREEMERGENCE VI

Trial ID: C6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	
Pest Code	SETFA	AMBTR	CHEAL	
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code				ZEAMX
BBCH Scale				BCOR
Crop Name				Corn
Rating Data Type	CONTROL	CONTROL	CONTROL	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
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	6	7	8	9
1	CHECK UNTREATED					0	0	0	0
2	KIH 485	85	0.148	LB	A/A PRE	99	45	89	0
3	KIH 485	85	0.296	LB	A/A PRE	99	73	99	0
4	KIH 485	85	0.148	LB	A/A PRE	99	82	98	0
4	BALANCE PRO	4	0.059	LB	A/A PRE				
5	KIH 485	85	0.148	LB	A/A PRE	99	67	99	0
5	BALANCE PRO	4	0.045	LB	A/A PRE				
6	KIH 485	85	0.148	LB	A/A PRE	99	78	99	0
6	HORNET	68.5	0.087	LB	A/A PRE				
7	KIH 485	85	0.148	LB	A/A PRE	99	67	99	0
7	HORNET	68.5	0.053	LB	A/A PRE				
8	KIH 485	85	0.148	LB	A/A PRE	99	93	99	0
8	CALLISTO	4	0.168	LB	A/A PRE				
8	AATREX	4	0.625	LB	A/A PRE				
9	KIH 485	85	0.148	LB	A/A PRE	99	95	99	0
9	CALLISTO	4	0.126	LB	A/A PRE				
9	AATREX	4	0.47	LB	A/A PRE				
10	LUMAX	3.94	2.47	LB	A/A PRE	99	92	99	0
11	BALANCE PRO	4	0.059	LB	A/A PRE	99	80	99	0
12	HORNET	68.5	0.057	LB	A/A PRE	99	57	99	0
13	KIH-485/ATRAZINE	57.8	1.097	LB	A/A PRE	99	85	99	0
14	BICEP LITE II MAGNUM	6	1.65	LB	A/A PRE	99	78	99	0
15	BICEP II MAGNUM	5.5	2.2	LB	A/A PRE	99	87	99	0
	LSD (P=.05)					0.0	15.5	7.2	0.0
	Standard Deviation					0.0	9.3	4.3	0.0
	CV					0.0	12.89	4.71	0.0
	Grand Mean					92.4	71.87	91.67	0.0
	Replicate F					0.000	0.029	1.296	0.000
	Replicate Prob(F)					1.0000	0.9717	0.2896	1.0000
	Treatment F					0.000	20.439	104.291	0.000
	Treatment Prob(F)					1.0000	0.0001	0.0001	1.0000

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CORN PREEMERGENCE VI

Trial ID: C6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type W Weed
Pest Code SETFA
Pest Name Giant foxtail
Crop Code
BBCH Scale
Crop Name
Rating Data Type CONTROL
Rating Unit PERCENT
Trt-Eval Interval 8 WEEK
ARM Action Codes P
Number of Decimals 0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	
1	CHECK UNTREATED					0
2	KIH 485	85	0.148	LB A/A	PRE	96
3	KIH 485	85	0.296	LB A/A	PRE	99
4	KIH 485	85	0.148	LB A/A	PRE	99
4	BALANCE PRO	4	0.059	LB A/A	PRE	
5	KIH 485	85	0.148	LB A/A	PRE	98
5	BALANCE PRO	4	0.045	LB A/A	PRE	
6	KIH 485	85	0.148	LB A/A	PRE	99
6	HORNET	68.5	0.087	LB A/A	PRE	
7	KIH 485	85	0.148	LB A/A	PRE	98
7	HORNET	68.5	0.053	LB A/A	PRE	
8	KIH 485	85	0.148	LB A/A	PRE	99
8	CALLISTO	4	0.168	LB A/A	PRE	
8	AATREX	4	0.625	LB A/A	PRE	
9	KIH 485	85	0.148	LB A/A	PRE	99
9	CALLISTO	4	0.126	LB A/A	PRE	
9	AATREX	4	0.47	LB A/A	PRE	
10	LUMAX	3.94	2.47	LB A/A	PRE	99
11	BALANCE PRO	4	0.059	LB A/A	PRE	95
12	HORNET	68.5	0.057	LB A/A	PRE	83
13	KIH-485/ATRAZINE	57.8	1.097	LB A/A	PRE	99
14	BICEP LITE II MAGNUM	6	1.65	LB A/A	PRE	98
15	BICEP II MAGNUM	5.5	2.2	LB A/A	PRE	99
	LSD (P=.05)					12.1
	Standard Deviation					7.3
	CV					8.01
	Grand Mean					90.6
	Replicate F					2.766
	Replicate Prob(F)					0.0801
	Treatment F					36.743
	Treatment Prob(F)					0.0001

CORN PREEMERGENCE VI

Trial ID: C6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 4-27-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 62 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
 Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description**A**

Application Date: 4-29-06
Time of Day: 1 PM
Application Method: SPRAY
Application Timing: PRE
Application Placement: BROSOI
Applied By: C. H. SLACK
Air Temperature, Unit: 62 F
% Relative Humidity: 50
Wind Velocity, Unit: 4 MPH
Wind Direction: SW
Soil Temperature, Unit: 60 F
Soil Moisture: ADEQUATE
% Cloud Cover: 50

Crop Stage At Each Application**A**

Crop 1 Code, BBCH Scale: ZEAMX BCOR

CORN PREEMERGENCE VI

Trial ID: C6014
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Pest Stage At Each Application****A**

Pest 1 Code, Disc., Scale: SETFA W
Pest 2 Code, Disc., Scale: AMBTR W
Pest 3 Code, Disc., Scale: CHEAL W

Application Equipment**A**

Appl. Equipment: ATV
Operating Pressure, Unit: 30 PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8004 DG
Nozzle Spacing, Unit: 20 IN
Boom Length, Unit: 10 FT
Boom Height, Unit: 19 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	IPOSS
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	Morning glory
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Name	Corn				
Description					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
1	CHECK UNTREATED					0	0	0	0	0
2	LEXAR	3.7	1.5	QT/A	PRE	0	99	96	99	98
2	LEXAR	3.7	1.5	QT/A	5C					
3	LEXAR	3.7	3	QT/A	PRE	0	99	96	99	99
4	RADIUS	4	18	OZ/A	PRE	0	99	93	99	96
4	AATREX	4	1	QT/A	PRE					
5	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	99	99	93
5	CALLISTO	4	3	FL OZ/A	5C					
5	AATREX	4	1.5	PT/A	5C					
5	AGRIDEX		1	% V/V	5C					
5	AMS		3.7	% V/V	5C					
6	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	82	99	83
6	IMPACT	2.8	0.75	FL OZ/A	5C					
6	AATREX	4	1.5	PT/A	5C					
6	AGRIDEX		1	% V/V	5C					
6	AMS		3.7	% V/V	5C					
7	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	98	99	99
7	CALLISTO	4	3	OZ/A	5C					
7	AATREX	4	1.5	PT/A	5C					
7	AGRIDEX		1	% V/V	5C					
7	AMS		3.7	% V/V	5C					
8	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	99	99	99
8	CALLISTO	4	3	FL OZ/A	LLP					
8	AATREX	4	1.5	PT/A	LLP					
8	AGRIDEX		1	% V/V	LLP					
8	AMS		3.7	% V/V	LLP					
9	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	99	99	94
9	IMPACT	2.8	0.5	FL OZ/A	LLP					
9	AATREX	4	1.5	PT/A	LLP					
9	AGRIDEX		1	% V/V	LLP					
9	AMS		3.7	% V/V	LLP					
10	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	98	99	99
10	IMPACT	2.8	0.745	FL OZ/A	LLP					
10	AATREX	4	1.5	PT/A	LLP					
10	AGRIDEX		1	% V/V	LLP					
10	AMS		3.7	% V/V	LLP					
11	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	99	99	99
11	CALLISTO	4	3	OZ/A	LLP					
11	AATREX	4	1.5	PT/A	LLP					
11	AGRIDEX		1	% V/V	LLP					
11	AMS		3.7	% V/V	LLP					
12	AATREX	4	1	QT/A	PRE	0	99	95	99	99
12	STEADFAST	75	0.75	OZ/A	5C					
12	AGRIDEX		1	QT/A	5C					
12	LIQUID N		1	QT/A	5C					

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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	IPOSS
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	Morning glory
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Name	Corn				
Description					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
13	RADIUS	4	18	OZ/A	PRE	0	99	96	99	99
13	AE 0172747	3.5	3	OZ/A	5C					
13	AGRINDEX		1	% V/V	5C					
13	LIQUID N		1.5	QT/A	5C					
14	RADIUS	4	10	OZ/A	PRE	0	99	96	99	99
14	AE 0172747	3.5	3	OZ/A	5C					
14	AATREX	4	1	PT/A	5C					
14	AGRINDEX		1	% V/V	5C					
14	LIQUID N		1.5	QT/A	5C					
15	RADIUS	4	18	OZ/A	PRE	0	99	95	99	96
15	AE 0172747	3.5	3	OZ/A	5C					
15	MSO		1	% V/V	5C					
15	LIQUID N		1.5	QT/A	5C					
16	RADIUS	4	10	OZ/A	PRE	0	99	95	99	96
16	AE 0172747	3.5	3	OZ/A	5C					
16	AATREX	4	1	PT/A	5C					
16	AGRINDEX		1	% V/V	5C					
16	LIQUID N		1.5	QT/A	5C					
17	DEFINE SC	3.99	21	OZ/A	PRE	0	99	95	99	96
17	AE 0172747	3.5	3	OZ/A	5C					
17	AATREX	4	1	PT/A	5C					
17	AGRINDEX		1	% V/V	5C					
17	LIQUID N		1.5	QT/A	5C					
18	AE 0172747	3.5	3	OZ/A	5C	0	99	96	99	99
18	AATREX	4	1	PT/A	5C					
18	AGRINDEX		1	% V/V	5C					
18	LIQUID N		1.5	QT/A	5C					
19	IMPACT	2.8	0.016	LB A/A	5C	0	99	98	99	98
19	AATREX	4	0.5	LB A/A	5C					
19	MSO		1	% V/V	5C					
19	LIQUID N		2.5	% V/V	5C					
20	CALLISTO	4	0.094	LB A/A	5C	0	77	98	99	99
20	AATREX	4	0.25	LB A/A	5C					
20	AGRINDEX		1	% V/V	5C					
20	AMS		3.7	% V/V	5C					
LSD (P=.05)						0.0	4.3	4.3	0.0	8.0
Standard Deviation						0.0	2.6	2.6	0.0	4.8
CV						0.0	2.78	2.87	0.0	5.26
Grand Mean						0.0	92.93	91.12	94.05	91.97
Replicate F						0.000	1.000	6.684	0.000	3.296
Replicate Prob(F)						1.0000	0.3774	0.0033	1.0000	0.0479
Treatment F						0.000	226.508	207.902	0.000	61.916
Treatment Prob(F)						1.0000	0.0001	0.0001	1.0000	0.0001

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	IPOSS
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	Morning glory
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Name	Corn				
Description					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth	6	7	8	9	10	
No.	Name	Conc	Rate	Unit	Stage					
1	CHECK UNTREATED					0	0	0	0	0
2	LEXAR	3.7	1.5	QT/A	PRE	0	99	92	99	90
2	LEXAR	3.7	1.5	QT/A	5C					
3	LEXAR	3.7	3	QT/A	PRE	0	99	87	99	93
4	RADIUS	4	18	OZ/A	PRE	0	99	78	99	85
4	AATREX	4	1	QT/A	PRE					
5	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	98	99	93
5	CALLISTO	4	3	FL OZ/A	5C					
5	AATREX	4	1.5	PT/A	5C					
5	AGRINDEX		1	% V/V	5C					
5	AMS		3.7	% V/V	5C					
6	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	76	99	67
6	IMPACT	2.8	0.75	FL OZ/A	5C					
6	AATREX	4	1.5	PT/A	5C					
6	AGRINDEX		1	% V/V	5C					
6	AMS		3.7	% V/V	5C					
7	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	92	99	91
7	CALLISTO	4	3	OZ/A	5C					
7	AATREX	4	1.5	PT/A	5C					
7	AGRINDEX		1	% V/V	5C					
7	AMS		3.7	% V/V	5C					
8	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	99	99	95
8	CALLISTO	4	3	FL OZ/A	LLP					
8	AATREX	4	1.5	PT/A	LLP					
8	AGRINDEX		1	% V/V	LLP					
8	AMS		3.7	% V/V	LLP					
9	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	95	99	78
9	IMPACT	2.8	0.5	FL OZ/A	LLP					
9	AATREX	4	1.5	PT/A	LLP					
9	AGRINDEX		1	% V/V	LLP					
9	AMS		3.7	% V/V	LLP					
10	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	95	99	92
10	IMPACT	2.8	0.745	FL OZ/A	LLP					
10	AATREX	4	1.5	PT/A	LLP					
10	AGRINDEX		1	% V/V	LLP					
10	AMS		3.7	% V/V	LLP					
11	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	95	99	96
11	CALLISTO	4	3	OZ/A	LLP					
11	AATREX	4	1.5	PT/A	LLP					
11	AGRINDEX		1	% V/V	LLP					
11	AMS		3.7	% V/V	LLP					
12	AATREX	4	1	QT/A	PRE	0	99	83	99	87
12	STEADFAST	75	0.75	OZ/A	5C					
12	AGRINDEX		1	QT/A	5C					
12	LIQUID N		1	QT/A	5C					

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	IPOSS
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	Morning glory
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Name	Corn				
Description					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth	6	7	8	9	10
No.	Name	Conc	Rate	Stage					
13	RADIUS	4	18 OZ/A	PRE	0	96	91	99	93
13	AE 0172747	3.5	3 OZ/A	5C					
13	AGRINDEX		1 % V/V	5C					
13	LIQUID N		1.5 QT/A	5C					
14	RADIUS	4	10 OZ/A	PRE	0	99	93	99	92
14	AE 0172747	3.5	3 OZ/A	5C					
14	AATREX	4	1 PT/A	5C					
14	AGRINDEX		1 % V/V	5C					
14	LIQUID N		1.5 QT/A	5C					
15	RADIUS	4	18 OZ/A	PRE	0	99	88	99	88
15	AE 0172747	3.5	3 OZ/A	5C					
15	MSO		1 % V/V	5C					
15	LIQUID N		1.5 QT/A	5C					
16	RADIUS	4	10 OZ/A	PRE	0	99	90	99	93
16	AE 0172747	3.5	3 OZ/A	5C					
16	AATREX	4	1 PT/A	5C					
16	AGRINDEX		1 % V/V	5C					
16	LIQUID N		1.5 QT/A	5C					
17	DEFINE SC	3.99	21 OZ/A	PRE	0	99	88	99	88
17	AE 0172747	3.5	3 OZ/A	5C					
17	AATREX	4	1 PT/A	5C					
17	AGRINDEX		1 % V/V	5C					
17	LIQUID N		1.5 QT/A	5C					
18	AE 0172747	3.5	3 OZ/A	5C	0	98	89	99	93
18	AATREX	4	1 PT/A	5C					
18	AGRINDEX		1 % V/V	5C					
18	LIQUID N		1.5 QT/A	5C					
19	IMPACT	2.8	0.016 LB A/A	5C	0	99	87	99	87
19	AATREX	4	0.5 LB A/A	5C					
19	MSO		1 % V/V	5C					
19	LIQUID N		2.5 % V/V	5C					
20	CALLISTO	4	0.094 LB A/A	5C	0	73	96	99	96
20	AATREX	4	0.25 LB A/A	5C					
20	AGRINDEX		1 % V/V	5C					
20	AMS		3.7 % V/V	5C					
LSD (P=.05)					0.0	5.6	7.7	0.0	7.6
Standard Deviation					0.0	3.4	4.7	0.0	4.6
CV					0.0	3.67	5.47	0.0	5.42
Grand Mean					0.0	92.52	85.65	94.05	84.83
Replicate F					0.000	1.268	3.527	0.000	3.534
Replicate Prob(F)					1.0000	0.2931	0.0393	1.0000	0.0391
Treatment F					0.000	132.361	60.477	0.000	63.106
Treatment Prob(F)					1.0000	0.0001	0.0001	1.0000	0.0001

Plant and Soil Science, U of KY
Weed Science Research

CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	IPOSS
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	Morning glory
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Name	Corn				
Description					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	11	12	13	14	15
1	CHECK UNTREATED					0	0	0	0	0
2	LEXAR	3.7	1.5	QT/A	PRE	0	99	91	99	89
2	LEXAR	3.7	1.5	QT/A	5C					
3	LEXAR	3.7	3	QT/A	PRE	0	99	85	99	90
4	RADIUS	4	18	OZ/A	PRE	0	99	77	99	83
4	AATREX	4	1	QT/A	PRE					
5	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	93	99	91
5	CALLISTO	4	3	FL OZ/A	5C					
5	AATREX	4	1.5	PT/A	5C					
5	AGRINDEX		1	% V/V	5C					
5	AMS		3.7	% V/V	5C					
6	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	73	99	78
6	IMPACT	2.8	0.75	FL OZ/A	5C					
6	AATREX	4	1.5	PT/A	5C					
6	AGRINDEX		1	% V/V	5C					
6	AMS		3.7	% V/V	5C					
7	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	90	99	89
7	CALLISTO	4	3	OZ/A	5C					
7	AATREX	4	1.5	PT/A	5C					
7	AGRINDEX		1	% V/V	5C					
7	AMS		3.7	% V/V	5C					
8	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	98	99	94
8	CALLISTO	4	3	FL OZ/A	LLP					
8	AATREX	4	1.5	PT/A	LLP					
8	AGRINDEX		1	% V/V	LLP					
8	AMS		3.7	% V/V	LLP					
9	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	92	99	83
9	IMPACT	2.8	0.5	FL OZ/A	LLP					
9	AATREX	4	1.5	PT/A	LLP					
9	AGRINDEX		1	% V/V	LLP					
9	AMS		3.7	% V/V	LLP					
10	DUAL II MAGNUM	7.64	1	PT/A	PRE	0	99	93	99	88
10	IMPACT	2.8	0.745	FL OZ/A	LLP					
10	AATREX	4	1.5	PT/A	LLP					
10	AGRINDEX		1	% V/V	LLP					
10	AMS		3.7	% V/V	LLP					
11	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	0	99	95	99	93
11	CALLISTO	4	3	OZ/A	LLP					
11	AATREX	4	1.5	PT/A	LLP					
11	AGRINDEX		1	% V/V	LLP					
11	AMS		3.7	% V/V	LLP					
12	AATREX	4	1	QT/A	PRE	0	99	80	99	87
12	STEADFAST	75	0.75	OZ/A	5C					
12	AGRINDEX		1	QT/A	5C					
12	LIQUID N		1	QT/A	5C					

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	IPOSS
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	Morning glory
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Name	Corn			
Description				
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt	Treatment	Form	Rate	Growth	11	12	13	14	15
No.	Name	Conc	Rate	Stage					
13	RADIUS	4	18 OZ/A	PRE	0	96	89	99	90
13	AE 0172747	3.5	3 OZ/A	5C					
13	AGRINDEX		1 % V/V	5C					
13	LIQUID N		1.5 QT/A	5C					
14	RADIUS	4	10 OZ/A	PRE	0	99	92	99	88
14	AE 0172747	3.5	3 OZ/A	5C					
14	AATREX	4	1 PT/A	5C					
14	AGRINDEX		1 % V/V	5C					
14	LIQUID N		1.5 QT/A	5C					
15	RADIUS	4	18 OZ/A	PRE	0	99	87	99	85
15	AE 0172747	3.5	3 OZ/A	5C					
15	MSO		1 % V/V	5C					
15	LIQUID N		1.5 QT/A	5C					
16	RADIUS	4	10 OZ/A	PRE	0	99	88	99	87
16	AE 0172747	3.5	3 OZ/A	5C					
16	AATREX	4	1 PT/A	5C					
16	AGRINDEX		1 % V/V	5C					
16	LIQUID N		1.5 QT/A	5C					
17	DEFINE SC	3.99	21 OZ/A	PRE	0	99	85	99	83
17	AE 0172747	3.5	3 OZ/A	5C					
17	AATREX	4	1 PT/A	5C					
17	AGRINDEX		1 % V/V	5C					
17	LIQUID N		1.5 QT/A	5C					
18	AE 0172747	3.5	3 OZ/A	5C	0	98	87	99	90
18	AATREX	4	1 PT/A	5C					
18	AGRINDEX		1 % V/V	5C					
18	LIQUID N		1.5 QT/A	5C					
19	IMPACT	2.8	0.016 LB A/A	5C	0	99	83	99	84
19	AATREX	4	0.5 LB A/A	5C					
19	MSO		1 % V/V	5C					
19	LIQUID N		2.5 % V/V	5C					
20	CALLISTO	4	0.094 LB A/A	5C	0	69	93	99	93
20	AATREX	4	0.25 LB A/A	5C					
20	AGRINDEX		1 % V/V	5C					
20	AMS		3.7 % V/V	5C					
LSD (P=.05)					0.0	7.3	8.3	0.0	9.4
Standard Deviation					0.0	4.4	5.0	0.0	5.7
CV					0.0	4.8	6.04	0.0	6.82
Grand Mean					0.0	92.35	83.43	94.05	83.33
Replicate F					0.000	1.041	7.604	0.000	4.225
Replicate Prob(F)					1.0000	0.3629	0.0017	1.0000	0.0220
Treatment F					0.000	78.834	50.187	0.000	37.305
Treatment Prob(F)					1.0000	0.0001	0.0001	1.0000	0.0001

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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type
Pest Code
Pest Name
Crop Code ZEAMX
BBCH Scale BCOR
Crop Name Corn
Description
Rating Data Type YIELD
Rating Unit BU 15.5%
Trt-Eval Interval
ARM Action Codes TY1
Number of Decimals 0

Trt No.	Treatment Name	Form Conc	Rate Rate	Unit Unit	Growth Stage	19
1	CHECK UNTREATED					3
2	LEXAR	3.7	1.5	QT/A	PRE	157
2	LEXAR	3.7	1.5	QT/A	5C	
3	LEXAR	3.7	3	QT/A	PRE	130
4	RADIUS	4	18	OZ/A	PRE	120
4	AATREX	4	1	QT/A	PRE	
5	DUAL II MAGNUM	7.64	1	PT/A	PRE	136
5	CALLISTO	4	3	FL OZ/A	5C	
5	AATREX	4	1.5	PT/A	5C	
5	AGRINDEX		1	% V/V	5C	
5	AMS		3.7	% V/V	5C	
6	DUAL II MAGNUM	7.64	1	PT/A	PRE	83
6	IMPACT	2.8	0.75	FL OZ/A	5C	
6	AATREX	4	1.5	PT/A	5C	
6	AGRINDEX		1	% V/V	5C	
6	AMS		3.7	% V/V	5C	
7	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	142
7	CALLISTO	4	3	OZ/A	5C	
7	AATREX	4	1.5	PT/A	5C	
7	AGRINDEX		1	% V/V	5C	
7	AMS		3.7	% V/V	5C	
8	DUAL II MAGNUM	7.64	1	PT/A	PRE	140
8	CALLISTO	4	3	FL OZ/A	LLP	
8	AATREX	4	1.5	PT/A	LLP	
8	AGRINDEX		1	% V/V	LLP	
8	AMS		3.7	% V/V	LLP	
9	DUAL II MAGNUM	7.64	1	PT/A	PRE	132
9	IMPACT	2.8	0.5	FL OZ/A	LLP	
9	AATREX	4	1.5	PT/A	LLP	
9	AGRINDEX		1	% V/V	LLP	
9	AMS		3.7	% V/V	LLP	
10	DUAL II MAGNUM	7.64	1	PT/A	PRE	137
10	IMPACT	2.8	0.745	FL OZ/A	LLP	
10	AATREX	4	1.5	PT/A	LLP	
10	AGRINDEX		1	% V/V	LLP	
10	AMS		3.7	% V/V	LLP	
11	BICEP II MAGNUM	5.5	2.1	QT/A	PRE	125
11	CALLISTO	4	3	OZ/A	LLP	
11	AATREX	4	1.5	PT/A	LLP	
11	AGRINDEX		1	% V/V	LLP	
11	AMS		3.7	% V/V	LLP	
12	AATREX	4	1	QT/A	PRE	87
12	STEADFAST	75	0.75	OZ/A	5C	
12	AGRINDEX		1	QT/A	5C	
12	LIQUID N		1	QT/A	5C	

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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type
Pest Code
Pest Name
Crop Code ZEAMX
BBCH Scale BCOR
Crop Name Corn
Description
Rating Data Type YIELD
Rating Unit BU 15.5%
Trt-Eval Interval
ARM Action Codes TY1
Number of Decimals 0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	19
13	RADIUS	4	18	OZ/A	PRE	125
13	AE 0172747	3.5	3	OZ/A	5C	
13	AGRINDEX		1	% V/V	5C	
13	LIQUID N		1.5	QT/A	5C	
14	RADIUS	4	10	OZ/A	PRE	108
14	AE 0172747	3.5	3	OZ/A	5C	
14	AATREX	4	1	PT/A	5C	
14	AGRINDEX		1	% V/V	5C	
14	LIQUID N		1.5	QT/A	5C	
15	RADIUS	4	18	OZ/A	PRE	126
15	AE 0172747	3.5	3	OZ/A	5C	
15	MSO		1	% V/V	5C	
15	LIQUID N		1.5	QT/A	5C	
16	RADIUS	4	10	OZ/A	PRE	110
16	AE 0172747	3.5	3	OZ/A	5C	
16	AATREX	4	1	PT/A	5C	
16	AGRINDEX		1	% V/V	5C	
16	LIQUID N		1.5	QT/A	5C	
17	DEFINE SC	3.99	21	OZ/A	PRE	110
17	AE 0172747	3.5	3	OZ/A	5C	
17	AATREX	4	1	PT/A	5C	
17	AGRINDEX		1	% V/V	5C	
17	LIQUID N		1.5	QT/A	5C	
18	AE 0172747	3.5	3	OZ/A	5C	103
18	AATREX	4	1	PT/A	5C	
18	AGRINDEX		1	% V/V	5C	
18	LIQUID N		1.5	QT/A	5C	
19	IMPACT	2.8	0.016	LB A/A	5C	112
19	AATREX	4	0.5	LB A/A	5C	
19	MSO		1	% V/V	5C	
19	LIQUID N		2.5	% V/V	5C	
20	CALLISTO	4	0.094	LB A/A	5C	120
20	AATREX	4	0.25	LB A/A	5C	
20	AGRINDEX		1	% V/V	5C	
20	AMS		3.7	% V/V	5C	

LSD (P=.05) 36.2
Standard Deviation 22.0
CV 19.04
Grand Mean 115.32

Replicate F 3.601
Replicate Prob(F) 0.0370
Treatment F 6.386
Treatment Prob(F) 0.0001

Column 16: TY1 = 4.204633*[17]*(100-[18])/84.5

Plant and Soil Science, U of KY
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CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Pest 4 Type: W **Code:** IPOSS Ipomoea sp.
Common Name: Morning glory

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C
Application Date:	5-4-06	5-30-06	6-2-06
Time of Day:	1 PM	1 PM	10 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	5C	LLP
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	89 F	71 F
% Relative Humidity:	30	45	84
Wind Velocity, Unit:	6 MPH	6 MPH	6 MPH
Wind Direction:	WNW	SSE	WSW
Soil Temperature, Unit:	70 F	80 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	80

CORN PREEMERGENCE & POSTEMERGENCE II

Trial ID: C6020
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	5C		5 C
Height, Unit:	5	IN 8	IN

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	4 LF	4 LF	
Height, Unit:	2	IN 3	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	8 LF	9 LF	
Height, Unit:	4	IN 5	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:	10 LF	10 LF	
Height, Unit:	3	IN 3	IN
Pest 4 Code, Disc., Scale:	IPOSS W	IPOSS W	IPOSS W
Stage Majority, Percent:	2 LF	2 LF	
Height, Unit:	4	IN 5	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			ZEAMX
BBCH Scale	BCOR			BCOR
Crop Name	Corn			Corn
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
Number of Decimals	0	0	0	0 0

Trt Treatment	Form	Rate	Growth	1	2	3	4	5
No. Name	Conc	Rate	Stage					
1 CHECK UNTREATED				0	0	0	0	0
2 RADIUS	4	23 OZ/A	PRE	13	99	94	99	7
3 RADIUS	4	21 OZ/A	PRE	3	99	98	99	0
3 AATREX	4	1.5 QT/A	PRE					
4 BALANCE PRO	4	2.5 OZ/A	PRE	0	99	95	99	0
4 AATREX	4	1.5 QT/A	PRE					
5 BALANCE PRO	4	1.5 OZ/A	PRE	0	99	99	99	0
5 LIBERTY	1.67	32 OZ/A	MP					
5 AATREX	4	1 QT/A	MP					
5 AMS	100	3 LB A/A	MP					
6 BALANCE PRO	4	1.5 OZ/A	PRE	0	99	98	99	0
6 LIBERTY	1.67	32 OZ/A	MP					
6 CALLISTO	4	1 OZ/A	MP					
6 AMS	100	3 LB A/A	MP					
7 BALANCE PRO	4	1.5 OZ/A	PRE	3	99	99	99	3
7 OPTION CORN HERBICIDE	70	1.5 OZ/A	MP					
7 DISTINCT	70	2 OZ/A	MP					
7 MSO		1.5 PT/A	MP					
7 LIQUID N		1.5 QT/A	MP					
8 LIBERTY	1.67	32 OZ/A	EP	0	99	99	99	0
8 DEFINE SC	3.99	10 OZ/A	EP					
8 AATREX	4	1 QT/A	EP					
8 AMS	100	3 LB A/A	EP					
9 DEFINE SC	3.99	12 OZ/A	MP	0	99	99	99	0
9 OPTION CORN HERBICIDE	70	1.5 OZ/A	MP					
9 CALLISTO	4	1.5 OZ/A	MP					
9 MSO		1.5 PT/A	MP					
9 LIQUID N		1.5 QT/A	MP					
10 LIBERTY	1.67	32 OZ/A	EP	0	99	99	99	0
10 AATREX	4	1 QT/A	EP					
10 AMS	100	3 LB A/A	EP					
10 LIBERTY	1.67	28 OZ/A	MP					
10 AMS	100	3 LB A/A	MP					
11 DEFINE SC	3.99	21 OZ/A	PRE	20	99	99	99	13
11 BUCTRIL/ATRA	3	2 PT/A	MP					
11 CALLISTO	4	1 OZ/A	MP					
12 LUMAX	3.94	2.5 QT/A	PRE	0	99	99	99	0
LSD (P=.05)				8.5	0.0	4.4	0.0	5.0
Standard Deviation				5.0	0.0	2.6	0.0	3.0
CV				150.0	0.0	2.86	0.0	152.89
Grand Mean				3.33	90.75	89.78	90.75	1.94

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			ZEAMX
BBCH Scale	BCOR			BCOR
Crop Name	Corn			Corn
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
Number of Decimals	0	0	0	0 0

Trt Treatment No. Name	Form Conc	Rate Rate	Growth Unit	Stage	1	2	3	4	5
Replicate F					1.000	0.000	3.588	0.000	0.314
Replicate Prob(F)					0.3840	1.0000	0.0448	1.0000	0.7335
Treatment F					5.091	0.000	364.454	0.000	5.800
Treatment Prob(F)					0.0006	1.0000	0.0001	1.0000	0.0002

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	SETFA
Pest Name	Giant foxtail	Lambsquarters,	common	Giant foxtail
Crop Code				ZEAMX
BBCH Scale				BCOR
Crop Name				Corn
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes		P	P	P
Number of Decimals		0	0	0

Trt Treatment No. Name	Form Conc	Rate	Rate Unit	Growth Stage	6	7	8	9	10
Replicate F					4.529	4.495	0.000	0.478	1.881
Replicate Prob(F)					0.0225	0.0231	1.0000	0.6262	0.1761
Treatment F					1164.827	116.809	0.000	0.870	446.990
Treatment Prob(F)					0.0001	0.0001	1.0000	0.5803	0.0001

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt No.	Treatment Name	Form	Rate	Growth	11	12
		Conc	Rate	Stage		
1	CHECK UNTREATED				0	0
2	RADIUS	4	23 OZ/A	PRE	70	99
3	RADIUS	4	21 OZ/A	PRE	81	99
3	AATREX	4	1.5 QT/A	PRE		
4	BALANCE PRO	4	2.5 OZ/A	PRE	79	99
4	AATREX	4	1.5 QT/A	PRE		
5	BALANCE PRO	4	1.5 OZ/A	PRE	93	99
5	LIBERTY	1.67	32 OZ/A	MP		
5	AATREX	4	1 QT/A	MP		
5	AMS	100	3 LB A/A	MP		
6	BALANCE PRO	4	1.5 OZ/A	PRE	88	99
6	LIBERTY	1.67	32 OZ/A	MP		
6	CALLISTO	4	1 OZ/A	MP		
6	AMS	100	3 LB A/A	MP		
7	BALANCE PRO	4	1.5 OZ/A	PRE	90	99
7	OPTION CORN HERBICIDE	70	1.5 OZ/A	MP		
7	DISTINCT	70	2 OZ/A	MP		
7	MSO		1.5 PT/A	MP		
7	LIQUID N		1.5 QT/A	MP		
8	LIBERTY	1.67	32 OZ/A	EP	85	99
8	DEFINE SC	3.99	10 OZ/A	EP		
8	AATREX	4	1 QT/A	EP		
8	AMS	100	3 LB A/A	EP		
9	DEFINE SC	3.99	12 OZ/A	MP	86	99
9	OPTION CORN HERBICIDE	70	1.5 OZ/A	MP		
9	CALLISTO	4	1.5 OZ/A	MP		
9	MSO		1.5 PT/A	MP		
9	LIQUID N		1.5 QT/A	MP		
10	LIBERTY	1.67	32 OZ/A	EP	84	99
10	AATREX	4	1 QT/A	EP		
10	AMS	100	3 LB A/A	EP		
10	LIBERTY	1.67	28 OZ/A	MP		
10	AMS	100	3 LB A/A	MP		
11	DEFINE SC	3.99	21 OZ/A	PRE	87	99
11	BUCTRIL/ATRA	3	2 PT/A	MP		
11	CALLISTO	4	1 OZ/A	MP		
12	LUMAX	3.94	2.5 QT/A	PRE	86	99
	LSD (P=.05)				10.5	0.0
	Standard Deviation				6.2	0.0
	CV				8.04	0.0
	Grand Mean				77.44	90.75

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt Treatment	Form	Rate	Growth		
No. Name	Conc	Rate	Unit	Stage	
				11	12
Replicate F				4.608	0.000
Replicate Prob(F)				0.0213	1.0000
Treatment F				48.669	0.000
Treatment Prob(F)				0.0001	1.0000

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: PIONEER 31G96 (HX1,LL,RR2)
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 72 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C
Application Date:	5-4-06	5-23-06	5-30-06
Time of Day:	1 PM	4 PM	11 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	75 F	86 F
% Relative Humidity:	50	30	44
Wind Velocity, Unit:	6 MPH	3 MPH	1 MPH
Wind Direction:	WNW	SW	SSE
Soil Temperature, Unit:	70 F	70 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0	0

CORN POSTEMERGENCE LIBERTY III

Trial ID: C6021
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Crop Stage At Each Application**

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V2		V3
Height, Unit:	4	IN 6	IN

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	2 LF	4 LF	
Height, Unit:	1	IN 2	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	4 LF	8 LF	
Height, Unit:	2	IN 4	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:	8 LF	10 LF	
Height, Unit:	1	IN 2	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

Plant and Soil Science, U of KY
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CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type					W Weed	W Weed	W Weed		
Pest Code					SETFA	AMBTR	CHEAL		
Pest Name					Giant foxtail	Giant Ragweed	Lambsquarters,	common	
Crop Code					ZEAMX				ZEAMX
BBCH Scale					BCOR				BCOR
Crop Name					Corn				Corn
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
Number of Decimals					0	0	0	0	0
Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Stage	1	2	3	4	5	
1 CHECK UNTREATED				0	0	0		0	0
2 RADIUS	4	18 OZ/A	PRE	0	99	96		99	0
2 AE 0172747	3.5	3 OZ/A	MP						
2 COC		1 % V/V	MP						
2 LIQUID N		1.5 QT/A	MP						
3 RADIUS	4	10 OZ/A	PRE	0	99	98		99	0
3 AE 0172747	3.5	3 OZ/A	MP						
3 AATREX	4	1 PT/A	MP						
3 MSO		1 % V/V	MP						
3 LIQUID N		1.5 QT/A	MP						
4 BALANCE PRO	4	1.5 OZ/A	PRE	0	99	98		99	0
4 AE 0172747	3.5	3 OZ/A	MP						
4 AATREX	4	1 PT/A	MP						
4 MSO		1 % V/V	MP						
4 LIQUID N		1.5 QT/A	MP						
5 BALANCE PRO	4	1.5 OZ/A	PRE	0	99	98		99	0
5 AATREX	4	0.5 PT/A	PRE						
5 AE 0172747	3.5	3 OZ/A	MP						
5 MSO		1 % V/V	MP						
5 LIQUID N		1.5 QT/A	MP						
6 DEFINE	3.99	21 OZ/A	PRE	0	99	99		99	0
6 AE 0172747	3.5	3 OZ/A	MP						
6 AATREX	4	1 PT/A	MP						
6 COC		1 % V/V	MP						
6 LIQUID N		1.5 QT/A	MP						
7 AE 0172747	3.5	1 OZ/A	MP	0	99	98		99	0
7 LIBERTY	1.67	32 OZ/A	MP						
7 AMS	100	17 LB A/100 GAL	MP						
8 LIBERTY	1.67	32 OZ/A	MP	0	99	99		99	0
8 AATREX	4	1 PT/A	MP						
8 AMS	100	17 LB A/100 GAL	MP						
9 LIBERTY	1.67	32 OZ/A	MP	0	99	98		99	0
9 AE 0172747	3.5	1 OZ/A	MP						
9 AATREX	4	1 PT/A	MP						
9 AMS	100	17 LB A/100 GAL	MP						
10 AE 0172747	3.5	1 OZ/A	MP	0	99	99		99	0
10 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP						
10 AMS	100	8.5 LB A/100 GAL	MP						
11 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP	0	99	96		99	0
11 AATREX	4	1 PT/A	MP						
11 AMS	100	8.5 LB A/100 GAL	MP						
12 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP	0	99	96		99	0
12 AE 0172747	3.5	1 OZ/A	MP						
12 AATREX	4	1 PT/A	MP						
12 AMS	100	8.5 LB A/100 GAL	MP						

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			ZEAMX
BBCH Scale	BCOR			BCOR
Crop Name	Corn			Corn
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
Number of Decimals	0	0	0	0 0

Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Stage	1	2	3	4	5
LSD (P=.05)				0.0	0.0	4.0	0.0	0.0
Standard Deviation				0.0	0.0	2.4	0.0	0.0
CV				0.0	0.0	2.63	0.0	0.0
Grand Mean				0.0	90.75	89.5	90.75	0.0
Replicate F				0.000	0.000	0.585	0.000	0.000
Replicate Prob(F)				1.0000	1.0000	0.5654	1.0000	1.0000
Treatment F				0.000	0.000	429.746	0.000	0.000
Treatment Prob(F)				1.0000	1.0000	0.0001	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed				
Pest Code	SETFA	AMBTR	CHEAL				
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common						
Crop Code				ZEAMX			
BBCH Scale				BCOR			
Crop Name				Corn			
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY			
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK			
ARM Action Codes	P	P	P	P			
Number of Decimals	0	0	0	0			
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage				
				6			
				7			
				8			
				9			
1 CHECK UNTREATED				0	0	0	0
2 RADIUS	4	18 OZ/A	PRE	99	84	99	0
2 AE 0172747	3.5	3 OZ/A	MP				
2 COC		1 % V/V	MP				
2 LIQUID N		1.5 QT/A	MP				
3 RADIUS	4	10 OZ/A	PRE	99	89	99	0
3 AE 0172747	3.5	3 OZ/A	MP				
3 AATREX	4	1 PT/A	MP				
3 MSO		1 % V/V	MP				
3 LIQUID N		1.5 QT/A	MP				
4 BALANCE PRO	4	1.5 OZ/A	PRE	98	88	99	0
4 AE 0172747	3.5	3 OZ/A	MP				
4 AATREX	4	1 PT/A	MP				
4 MSO		1 % V/V	MP				
4 LIQUID N		1.5 QT/A	MP				
5 BALANCE PRO	4	1.5 OZ/A	PRE	99	91	99	0
5 AATREX	4	0.5 PT/A	PRE				
5 AE 0172747	3.5	3 OZ/A	MP				
5 MSO		1 % V/V	MP				
5 LIQUID N		1.5 QT/A	MP				
6 DEFINE	3.99	21 OZ/A	PRE	99	89	99	0
6 AE 0172747	3.5	3 OZ/A	MP				
6 AATREX	4	1 PT/A	MP				
6 COC		1 % V/V	MP				
6 LIQUID N		1.5 QT/A	MP				
7 AE 0172747	3.5	1 OZ/A	MP	98	86	99	0
7 LIBERTY	1.67	32 OZ/A	MP				
7 AMS	100	17 LB A/100 GAL	MP				
8 LIBERTY	1.67	32 OZ/A	MP	98	87	99	0
8 AATREX	4	1 PT/A	MP				
8 AMS	100	17 LB A/100 GAL	MP				
9 LIBERTY	1.67	32 OZ/A	MP	98	85	99	0
9 AE 0172747	3.5	1 OZ/A	MP				
9 AATREX	4	1 PT/A	MP				
9 AMS	100	17 LB A/100 GAL	MP				
10 AE 0172747	3.5	1 OZ/A	MP	98	83	99	0
10 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP				
10 AMS	100	8.5 LB A/100 GAL	MP				
11 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP	96	88	99	0
11 AATREX	4	1 PT/A	MP				
11 AMS	100	8.5 LB A/100 GAL	MP				
12 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP	98	87	99	0
12 AE 0172747	3.5	1 OZ/A	MP				
12 AATREX	4	1 PT/A	MP				
12 AMS	100	8.5 LB A/100 GAL	MP				

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	
Pest Code	SETFA	AMBTR	CHEAL	
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code				ZEAMX
BBCH Scale				BCOR
Crop Name				Corn
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage	6	7	8	9
LSD (P=.05)				3.4	4.6	0.0	0.0
Standard Deviation				2.0	2.7	0.0	0.0
CV				2.26	3.43	0.0	0.0
Grand Mean				89.83	79.72	90.75	0.0
Replicate F				3.290	1.353	0.000	0.000
Replicate Prob(F)				0.0562	0.2792	1.0000	1.0000
Treatment F				582.099	254.828	0.000	0.000
Treatment Prob(F)				0.0001	0.0001	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed			
Pest Code	SETFA	AMBTR	CHEAL			
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common					
Crop Code						
BBCH Scale						
Crop Name						
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			
Number of Decimals	0	0	0			
Trt Treatment	Form	Rate	Growth	10	11	12
No. Name	Conc	Rate Unit	Stage			
1 CHECK UNTREATED				0	0	0
2 RADIUS	4	18 OZ/A	PRE	99	78	99
2 AE 0172747	3.5	3 OZ/A	MP			
2 COC		1 % V/V	MP			
2 LIQUID N		1.5 QT/A	MP			
3 RADIUS	4	10 OZ/A	PRE	99	86	99
3 AE 0172747	3.5	3 OZ/A	MP			
3 AATREX	4	1 PT/A	MP			
3 MSO		1 % V/V	MP			
3 LIQUID N		1.5 QT/A	MP			
4 BALANCE PRO	4	1.5 OZ/A	PRE	98	83	99
4 AE 0172747	3.5	3 OZ/A	MP			
4 AATREX	4	1 PT/A	MP			
4 MSO		1 % V/V	MP			
4 LIQUID N		1.5 QT/A	MP			
5 BALANCE PRO	4	1.5 OZ/A	PRE	98	88	99
5 AATREX	4	0.5 PT/A	PRE			
5 AE 0172747	3.5	3 OZ/A	MP			
5 MSO		1 % V/V	MP			
5 LIQUID N		1.5 QT/A	MP			
6 DEFINE	3.99	21 OZ/A	PRE	99	85	99
6 AE 0172747	3.5	3 OZ/A	MP			
6 AATREX	4	1 PT/A	MP			
6 COC		1 % V/V	MP			
6 LIQUID N		1.5 QT/A	MP			
7 AE 0172747	3.5	1 OZ/A	MP	96	82	99
7 LIBERTY	1.67	32 OZ/A	MP			
7 AMS	100	17 LB A/100 GAL	MP			
8 LIBERTY	1.67	32 OZ/A	MP	98	82	99
8 AATREX	4	1 PT/A	MP			
8 AMS	100	17 LB A/100 GAL	MP			
9 LIBERTY	1.67	32 OZ/A	MP	98	80	99
9 AE 0172747	3.5	1 OZ/A	MP			
9 AATREX	4	1 PT/A	MP			
9 AMS	100	17 LB A/100 GAL	MP			
10 AE 0172747	3.5	1 OZ/A	MP	96	78	99
10 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP			
10 AMS	100	8.5 LB A/100 GAL	MP			
11 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP	96	80	99
11 AATREX	4	1 PT/A	MP			
11 AMS	100	8.5 LB A/100 GAL	MP			
12 ROUNDUP WeatherMAX	5.5	22 OZ/A	MP	98	83	99
12 AE 0172747	3.5	1 OZ/A	MP			
12 AATREX	4	1 PT/A	MP			
12 AMS	100	8.5 LB A/100 GAL	MP			

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt Treatment No. Name	Form Conc	Rate	Unit	Growth Stage	10	11	12
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LSD (P=.05)	4.4	6.3	0.0
Standard Deviation	2.6	3.7	0.0
CV	2.87	4.92	0.0
Grand Mean	89.47	75.44	90.75
Replicate F	2.023	3.492	0.000
Replicate Prob(F)	0.1561	0.0482	1.0000
Treatment F	361.197	125.126	0.000
Treatment Prob(F)	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: PIONEER 31G96 (HX1,LL,RR2)
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B
Application Date:	5-4-06	5-30-06
Time of Day:	1 PM	11 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	MP
Application Placement:	BROSOI	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	78 F	86 F
% Relative Humidity:	30	44
Wind Velocity, Unit:	6 MPH	1 MPH
Wind Direction:	WNW	SSE
Soil Temperature, Unit:	65 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY

Trial ID: C6024
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Crop Stage At Each Application**

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V3	
Height, Unit:	8	IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Stage Majority, Percent:	4 LF	
Height, Unit:	2	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	8 LF	
Height, Unit:	4	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W

Application Equipment

	A		B	
Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
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:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY II

Trial ID: C6025
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	
Pest Code		SETFA	AMBTR	CHEAL	
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code	ZEAMX				ZEAMX
BBCH Scale	BCOR				BCOR
Crop Name	Corn				Corn
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
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth						
No.	Name	Conc	Rate	Unit	Stage	1	2	3	4	5
1	CHECK UNTREATED					0	0	0	0	0
2	LIBERTY	1.67	32 OZ/A	MP		0	99	98	99	0
2	AMS	100	3 LB A/A	MP						
3	LIBERTY	1.67	64 OZ/A	MP		0	99	99	99	0
3	AMS	100	3 LB A/A	MP						
4	AE F039866	2.33	22 OZ/A	MP		0	99	99	99	0
4	AMS	100	3 LB A/A	MP						
5	AE F039866	2.33	46 OZ/A	MP		0	99	99	99	0
5	AMS	100	3 LB A/A	MP						
6	LIBERTY	1.67	32 OZ/A	MP		0	99	99	99	0
6	AATREX	4	1 PT/A	MP						
6	AMS	100	2 LB A/A	MP						
7	AE F039866	2.33	22 OZ/A	MP		0	99	99	99	0
7	AATREX	4	1 PT/A	MP						
7	AMS	100	3 LB A/A	MP						
8	CHECK UNTREATED					0	0	0	0	0
	LSD (P=.05)					0.0	0.0	1.4	0.0	0.0
	Standard Deviation					0.0	0.0	0.8	0.0	0.0
	CV					0.0	0.0	1.1	0.0	0.0
	Grand Mean					0.0	74.25	74.08	74.25	0.0
	Replicate F					0.000	0.000	1.000	0.000	0.000
	Replicate Prob(F)					1.0000	1.0000	0.3927	1.0000	1.0000
	Treatment F					0.000	0.000	9409.537	0.000	0.000
	Treatment Prob(F)					1.0000	1.0000	0.0001	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE LIBERTY II

Trial ID: C6025
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt No.	Treatment Name	Form	Rate	Growth	11	12
		Conc	Rate	Unit	Stage	
1	CHECK UNTREATED					0
2	LIBERTY	1.67	32	OZ/A	MP	82
2	AMS	100	3	LB A/A	MP	99
3	LIBERTY	1.67	64	OZ/A	MP	88
3	AMS	100	3	LB A/A	MP	99
4	AE F039866	2.33	22	OZ/A	MP	90
4	AMS	100	3	LB A/A	MP	99
5	AE F039866	2.33	46	OZ/A	MP	88
5	AMS	100	3	LB A/A	MP	99
6	LIBERTY	1.67	32	OZ/A	MP	87
6	AATREX	4	1	PT/A	MP	
6	AMS	100	2	LB A/A	MP	99
7	AE F039866	2.33	22	OZ/A	MP	90
7	AATREX	4	1	PT/A	MP	
7	AMS	100	3	LB A/A	MP	99
8	CHECK UNTREATED					0
LSD (P=.05)					6.6	0.0
Standard Deviation					3.7	0.0
CV					5.71	0.0
Grand Mean					65.58	74.25
Replicate F					0.199	0.000
Replicate Prob(F)					0.8218	1.0000
Treatment F					351.822	0.000
Treatment Prob(F)					0.0001	1.0000

CORN POSTEMERGENCE LIBERTY II

Trial ID: C6025
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: PIONEER 31G96 (HX1,LL,RR2)
BBCH Scale: BCOR **Planting Date:** 5-4-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
 Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description**A**

Application Date: 5-30-06
Time of Day: 11 PM
Application Method: SPRAY
Application Timing: MP
Application Placement: BROFOL
Applied By: C. H. SLACK
Air Temperature, Unit: 86 F
% Relative Humidity: 44
Wind Velocity, Unit: 1 MPH
Wind Direction: SSE
Soil Temperature, Unit: 80 F
Soil Moisture: ADEQUATE
% Cloud Cover: 0

CORN POSTEMERGENCE LIBERTY II

Trial ID: C6025
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application**A**

Crop 1 Code, BBCH Scale: ZEAMX BCOR
Stage Scale Used: V3
Height, Unit: 8 IN

Pest Stage At Each Application**A**

Pest 1 Code, Disc., Scale: SETFA W
Stage Majority, Percent: 4 LF
Height, Unit: 2 IN
Pest 2 Code, Disc., Scale: AMBTR W
Stage Majority, Percent: 8 LF
Height, Unit: 4 IN
Pest 3 Code, Disc., Scale: CHEAL W
Stage Majority, Percent: 10 LF
Height, Unit: 2 IN

Application Equipment**A**

Appl. Equipment: ATV
Operating Pressure, Unit: 30 PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8004 DG
Nozzle Spacing, Unit: 20 IN
Boom Length, Unit: 10 FT
Boom Height, Unit: 19 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

Plant and Soil Science, U of KY
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CORN POSTEMERGENCE III

Trial ID: C6026
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	
Pest Code		SETFA	XANST	CHEAL	
Pest Name		Giant foxtail	Common cocklebur	Lambsquarters, common	
Crop Code	ZEAMX				ZEAMX
BBCH Scale	BCOR				BCOR
Crop Name	Corn				Corn
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
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth						
No.	Name	Conc	Rate	Unit	Stage	1	2	3	4	5
1	STOUT	72.5	0.5	OZ/A	MP	0	92	95	88	0
1	COC		1	QT/A	MP					
2	STOUT	72.5	0.75	OZ/A	MP	0	99	96	91	0
2	COC		1	QT/A	MP					
3	STOUT	72.5	0.5	OZ/A	MP	0	96	99	99	0
3	CALLISTO	4	2	OZ/A	MP					
3	AATREX	4	1.5	LB A/A	MP					
3	COC		1	QT/A	MP					
4	STOUT	72.5	0.75	OZ/A	MP	0	95	99	99	0
4	CALLISTO	4	2	OZ/A	MP					
4	AATREX	4	1.5	LB A/A	MP					
4	COC		1	QT/A	MP					
5	STOUT	72.5	0.5	OZ/A	MP	0	96	99	99	0
5	AATREX	4	2	LB A/A	MP					
5	COC		1	QT/A	MP					
6	STOUT	72.5	0.75	OZ/A	MP	0	99	99	99	0
6	AATREX	4	2	LB A/A	MP					
6	COC		1	QT/A	MP					
7	STEADFAST	75	0.75	OZ/A	MP	0	98	99	99	0
7	CALLISTO	4	2	OZ/A	MP					
7	AATREX	4	2	LB A/A	MP					
7	COC		1	QT/A	MP					
8	CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)						0.0	3.8	3.0	2.8	0.0
Standard Deviation						0.0	2.2	1.7	1.6	0.0
CV						0.0	2.57	1.99	1.9	0.0
Grand Mean						0.0	84.29	85.75	84.29	0.0
Replicate F						0.000	2.037	1.854	1.277	0.000
Replicate Prob(F)						1.0000	0.1673	0.1930	0.3094	1.0000
Treatment F						0.000	746.601	1245.199	1371.508	0.000
Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE III

Trial ID: C6026
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed	
Pest Code	SETFA	XANST	CHEAL	IPOSS	ZEAMX
Pest Name	Giant foxtail	Common cocklebur	Lambsquarters,	common Morning glory	
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Name					Corn
Rating Data Type	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
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth	6	7	8	9	10	
No.	Name	Conc	Rate	Unit	Stage					
1	STOUT	72.5	0.5	OZ/A	MP	90	95	78	63	0
1	COC		1	QT/A	MP					
2	STOUT	72.5	0.75	OZ/A	MP	96	96	82	70	0
2	COC		1	QT/A	MP					
3	STOUT	72.5	0.5	OZ/A	MP	95	99	99	83	0
3	CALLISTO	4	2	OZ/A	MP					
3	AATREX	4	1.5	LB A/A	MP					
3	COC		1	QT/A	MP					
4	STOUT	72.5	0.75	OZ/A	MP	93	98	99	78	0
4	CALLISTO	4	2	OZ/A	MP					
4	AATREX	4	1.5	LB A/A	MP					
4	COC		1	QT/A	MP					
5	STOUT	72.5	0.5	OZ/A	MP	95	99	99	73	0
5	AATREX	4	2	LB A/A	MP					
5	COC		1	QT/A	MP					
6	STOUT	72.5	0.75	OZ/A	MP	98	98	98	80	0
6	AATREX	4	2	LB A/A	MP					
6	COC		1	QT/A	MP					
7	STEADFAST	75	0.75	OZ/A	MP	95	98	99	80	0
7	CALLISTO	4	2	OZ/A	MP					
7	AATREX	4	2	LB A/A	MP					
7	COC		1	QT/A	MP					
8	CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)						3.9	3.7	5.3	14.1	0.0
Standard Deviation						2.2	2.1	3.0	8.0	0.0
CV						2.66	2.5	3.71	12.15	0.0
Grand Mean						82.75	85.25	81.71	66.04	0.0
Replicate F						1.108	2.174	0.819	2.829	0.000
Replicate Prob(F)						0.3575	0.1505	0.4609	0.0929	1.0000
Treatment F						694.493	785.085	378.771	35.102	0.000
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE III

Trial ID: C6026
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	XANST	CHEAL	IPOSS
Pest Name	Giant foxtail	Common cocklebur	Lambsquarters, common	Morning glory
Crop Code				
BBCH Scale				
Crop Name				
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
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Form Conc	Rate Rate	Growth Unit	Stage	11	12	13	14
1 STOUT	72.5	0.5	OZ/A	MP	90	95	70	57
1 COC		1	QT/A	MP				
2 STOUT	72.5	0.75	OZ/A	MP	95	96	77	63
2 COC		1	QT/A	MP				
3 STOUT	72.5	0.5	OZ/A	MP	93	99	99	82
3 CALLISTO	4	2	OZ/A	MP				
3 AATREX	4	1.5	LB A/A	MP				
3 COC		1	QT/A	MP				
4 STOUT	72.5	0.75	OZ/A	MP	92	96	99	69
4 CALLISTO	4	2	OZ/A	MP				
4 AATREX	4	1.5	LB A/A	MP				
4 COC		1	QT/A	MP				
5 STOUT	72.5	0.5	OZ/A	MP	93	98	99	70
5 AATREX	4	2	LB A/A	MP				
5 COC		1	QT/A	MP				
6 STOUT	72.5	0.75	OZ/A	MP	98	98	98	67
6 AATREX	4	2	LB A/A	MP				
6 COC		1	QT/A	MP				
7 STEADFAST	75	0.75	OZ/A	MP	90	98	99	77
7 CALLISTO	4	2	OZ/A	MP				
7 AATREX	4	2	LB A/A	MP				
7 COC		1	QT/A	MP				
8 CHECK UNTREATED					0	0	0	0
LSD (P=.05)					6.7	4.8	11.8	17.5
Standard Deviation					3.8	2.8	6.7	10.0
CV					4.68	3.25	8.39	16.5
Grand Mean					81.29	84.88	80.04	60.54
Replicate F					2.728	2.041	0.514	4.555
Replicate Prob(F)					0.0999	0.1668	0.6090	0.0299
Treatment F					224.693	465.241	78.611	19.752
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

CORN POSTEMERGENCE III

Trial ID: C6026
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application**A**

Crop 1 Code, BBCH Scale: ZEAMX BCOR
Stage Scale Used: V5
Height, Unit: 10 IN

Pest Stage At Each Application**A**

Pest 1 Code, Disc., Scale: SETFA W
Stage Majority, Percent: 5 LF
Height, Unit: 3 IN
Pest 2 Code, Disc., Scale: CHEAL W
Stage Majority, Percent: 110 LF
Height, Unit: 3 IN
Pest 3 Code, Disc., Scale: XANST W
Stage Majority, Percent: 6 LF
Height, Unit: 3 IN
Pest 4 Code, Disc., Scale: IPOSS W

Application Equipment**A**

Appl. Equipment: ATV
Operating Pressure, Unit: 30 PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8004 DG
Nozzle Spacing, Unit: 20 IN
Boom Length, Unit: 10 FT
Boom Height, Unit: 19 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Spray Volume, Unit: 24 GPA
Propellant: CO2

Plant and Soil Science, U of KY
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CORN POSTEMERGENCE IV

Trial ID: C6027
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	
Pest Code		SETFA	XANST	CHEAL	
Pest Name		Giant foxtail	Common cocklebur	Lambsquarters, common	
Crop Code	ZEAMX				ZEAMX
BBCH Scale	BCOR				BCOR
Crop Name	Corn				Corn
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Plant-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK	4 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
1	RESOLVE	75	1.5	OZ/A	PRE	0	99	99	99	0
1	AATREX	4	1	LB A/A	PRE					
1	STOUT	72.5	0.75	OZ/A	V3					
1	COC		1	QT/A	V3					
2	CINCH ATZ	5.5	1.3	PT/A	PRE	0	99	99	99	0
2	STOUT	72.5	0.5	OZ/A	V3					
2	COC		1	QT/A	V3					
3	CINCH ATZ	5.5	1.3	PT/A	PRE	0	99	96	99	0
3	STOUT	72.5	0.75	OZ/A	V3					
3	COC		1	QT/A	V3					
4	RESOLVE	75	1.5	OZ/A	PRE	0	99	96	99	0
4	AATREX	4	1	LB A/A	PRE					
4	STEADFAST	75	0.75	OZ/A	V3					
4	AATREX	4	1.5	LB A/A	V3					
4	COC		1	QT/A	V3					
5	RESOLVE	75	1.5	OZ/A	PRE	0	99	93	99	0
5	AATREX	4	1	LB A/A	PRE					
5	STOUT	72.5	0.75	OZ/A	V3					
5	AATREX	4	1.5	QT/A	V3					
5	COC		1	QT/A	V3					
5	AMS	100	2	LB A/A	V3					
6	CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)						0.0	0.0	4.9	0.0	0.0
Standard Deviation						0.0	0.0	2.7	0.0	0.0
CV						0.0	0.0	3.36	0.0	0.0
Grand Mean						0.0	82.5	80.61	82.5	0.0
Replicate F						0.000	0.000	0.554	0.000	0.000
Replicate Prob(F)						1.0000	1.0000	0.5914	1.0000	1.0000
Treatment F						0.000	0.000	640.815	0.000	0.000
Treatment Prob(F)						1.0000	1.0000	0.0001	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE IV

Trial ID: C6027
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed	
Pest Code	SETFA	XANST	CHEAL	IPOSS	
Pest Name	Giant foxtail	Common cocklebur	Lambsquarters,	common Morning glory	
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Name					Corn
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Plant-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form	Rate	Growth Stage	6	7	8	9	10
1	RESOLVE	75	1.5 OZ/A	PRE	99	90	99	75	0
1	AATREX	4	1 LB A/A	PRE					
1	STOUT	72.5	0.75 OZ/A	V3					
1	COC		1 QT/A	V3					
2	CINCH ATZ	5.5	1.3 PT/A	PRE	99	92	99	60	0
2	STOUT	72.5	0.5 OZ/A	V3					
2	COC		1 QT/A	V3					
3	CINCH ATZ	5.5	1.3 PT/A	PRE	99	80	99	63	0
3	STOUT	72.5	0.75 OZ/A	V3					
3	COC		1 QT/A	V3					
4	RESOLVE	75	1.5 OZ/A	PRE	99	88	99	75	0
4	AATREX	4	1 LB A/A	PRE					
4	STEADFAST	75	0.75 OZ/A	V3					
4	AATREX	4	1.5 LB A/A	V3					
4	COC		1 QT/A	V3					
5	RESOLVE	75	1.5 OZ/A	PRE	99	81	99	68	0
5	AATREX	4	1 LB A/A	PRE					
5	STOUT	72.5	0.75 OZ/A	V3					
5	AATREX	4	1.5 QT/A	V3					
5	COC		1 QT/A	V3					
5	AMS	100	2 LB A/A	V3					
6	CHECK UNTREATED				0	0	0	0	0
LSD (P=.05)					0.0	11.6	0.0	9.0	0.0
Standard Deviation					0.0	6.4	0.0	5.0	0.0
CV					0.0	8.86	0.0	8.73	0.0
Grand Mean					82.5	71.83	82.5	56.94	0.0
Replicate F					0.000	0.794	0.000	0.730	0.000
Replicate Prob(F)					1.0000	0.4785	1.0000	0.5058	1.0000
Treatment F					0.000	93.428	0.000	98.888	0.000
Treatment Prob(F)					1.0000	0.0001	1.0000	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE IV

Trial ID: C6027
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	XANST	CHEAL	IPOSS
Pest Name	Giant foxtail	Common cocklebur		Morning glory
Crop Code				
BBCH Scale				
Crop Name				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Plant-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	11	12	13	14	
1	RESOLVE	75	1.5	OZ/A	PRE	99		88	99	70
1	AATREX	4	1	LB A/A	PRE					
1	STOUT	72.5	0.75	OZ/A	V3					
1	COC		1	QT/A	V3					
2	CINCH ATZ	5.5	1.3	PT/A	PRE	99		87	99	57
2	STOUT	72.5	0.5	OZ/A	V3					
2	COC		1	QT/A	V3					
3	CINCH ATZ	5.5	1.3	PT/A	PRE	99		73	99	60
3	STOUT	72.5	0.75	OZ/A	V3					
3	COC		1	QT/A	V3					
4	RESOLVE	75	1.5	OZ/A	PRE	99		86	99	75
4	AATREX	4	1	LB A/A	PRE					
4	STEADFAST	75	0.75	OZ/A	V3					
4	AATREX	4	1.5	LB A/A	V3					
4	COC		1	QT/A	V3					
5	RESOLVE	75	1.5	OZ/A	PRE	99		75	99	63
5	AATREX	4	1	LB A/A	PRE					
5	STOUT	72.5	0.75	OZ/A	V3					
5	AATREX	4	1.5	QT/A	V3					
5	COC		1	QT/A	V3					
5	AMS	100	2	LB A/A	V3					
6	CHECK UNTREATED					0		0	0	0
LSD (P=.05)						0.0	15.4	0.0	23.1	
Standard Deviation						0.0	8.4	0.0	12.7	
CV						0.0	12.38	0.0	23.41	
Grand Mean						82.5	68.22	82.5	54.17	
Replicate F						0.000	1.346	0.000	0.544	
Replicate Prob(F)						1.0000	0.3037	1.0000	0.5966	
Treatment F						0.000	48.638	0.000	13.964	
Treatment Prob(F)						1.0000	0.0001	1.0000	0.0003	

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE IV

Trial ID: C6027
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: GARST 8489 GT
BBCH Scale: BCOR **Planting Date:** 4-27-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** XANST Xanthium strumarium
Common Name: Common cocklebur

Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Pest 4 Type: W **Code:** IPOSS Ipomoea sp.
Common Name: Morning glory

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B
Application Date:	4-28-06	5-23-06
Time of Day:	1 PM	1 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	V3
Application Placement:	BROSOI	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	71 F	75 F
% Relative Humidity:	30	40
Wind Velocity, Unit:	4 MPH	4 MPH
Wind Direction:	SW	SW
Soil Temperature, Unit:	65 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	0	0

CORN POSTEMERGENCE IV

Trial ID: C6027
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V3	
Height, Unit:	6	IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Stage Majority, Percent:	2 LF	
Height, Unit:	1	IN
Pest 2 Code, Disc., Scale:	XANST W	XANST W
Stage Majority, Percent:	4 LF	
Height, Unit:	2	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:	6 LF	
Height, Unit:	1	IN
Pest 4 Code, Disc., Scale:	IPOSS W	IPOSS W
Stage Majority, Percent:	1 LF	
Height, Unit:	1	IN

Application Equipment

	A		B	
Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
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:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE V

Trial ID: C6028
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			ZEAMX
BBCH Scale	BCOR			BCOR
Crop Name	Corn			Corn
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
Plant-Eval Interval	BEFORE PO	BEFORE PO	BEFORE PO	BEFORE PO 4 WEEK
ARM Action Codes	P	P	P	P P
Number of Decimals	0	0	0	0 0

Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Unit	Stage	1	2	3	4	5
1 CHECK UNTREATED					0	0	0	0	0
2 KIH 485	85	0.148	LB A/A	PRE	0	99	67	99	0
3 KIH 485	85	0.296	LB A/A	PRE	0	99	73	99	0
4 KIH 485	85	0.148	LB A/A	PRE	0	99	72	99	0
4 ROUNDUP WeatherMAX	5.5	0.78	LB A/A	+21D					
4 AMS		3.7	% V/V	+21D					
5 KIH 485	85	0.074	LB A/A	PRE	0	99	47	99	0
5 ROUNDUP WeatherMAX	5.5	0.78	LB A/A	+21D					
5 AMS		3.7	% V/V	+21D					
6 KIH 485	85	0.112	LB A/A	PRE	0	99	62	99	0
6 ROUNDUP WeatherMAX	5.5	0.78	LB A/A	+21D					
6 AMS		3.7	% V/V	+21D					
7 KIH 485	85	0.148	LB A/A	PRE	0	99	72	99	0
7 ROUNDUP WeatherMAX	5.5	0.78	LB A/A	+21D					
7 AMS		3.7	% V/V	+21D					
8 CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)					0.0	0.5	22.5	0.5	0.0
Standard Deviation					0.0	0.3	12.8	0.3	0.0
CV					0.0	0.36	26.24	0.36	0.0
Grand Mean					0.0	74.17	48.96	74.17	0.0
Replicate F					0.000	2.333	1.635	2.333	0.000
Replicate Prob(F)					1.0000	0.1335	0.2301	0.1335	1.0000
Treatment F					0.000	88012.009	17.918	88012.009	0.000
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE V

Trial ID: C6028
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	SETFA
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	Giant foxtail
Crop Code				ZEAMX
BBCH Scale				BCOR
Crop Name				Corn
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
Plant-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth	6	7	8	9	10
No. Name	Conc	Rate	Stage					
1 CHECK UNTREATED				0	0		0	0
2 KIH 485	85	0.148 LB A/A	PRE	96	60		99	0
3 KIH 485	85	0.296 LB A/A	PRE	98	68		99	0
4 KIH 485	85	0.148 LB A/A	PRE	99	82		99	0
4 ROUNDUP WeatherMAX	5.5	0.78 LB A/A	+21D					
4 AMS		3.7 % V/V	+21D					
5 KIH 485	85	0.074 LB A/A	PRE	99	63		99	0
5 ROUNDUP WeatherMAX	5.5	0.78 LB A/A	+21D					
5 AMS		3.7 % V/V	+21D					
6 KIH 485	85	0.112 LB A/A	PRE	99	68		99	0
6 ROUNDUP WeatherMAX	5.5	0.78 LB A/A	+21D					
6 AMS		3.7 % V/V	+21D					
7 KIH 485	85	0.148 LB A/A	PRE	99	73		99	0
7 ROUNDUP WeatherMAX	5.5	0.78 LB A/A	+21D					
7 AMS		3.7 % V/V	+21D					
8 CHECK UNTREATED				0	0		0	0
LSD (P=.05)				3.3	21.1		0.5	0.0
Standard Deviation				1.9	12.0		0.3	0.0
CV				2.58	23.24		0.36	0.0
Grand Mean				73.71	51.79		74.17	0.0
Replicate F				1.949	3.279		2.333	0.000
Replicate Prob(F)				0.1792	0.0679		0.1335	1.0000
Treatment F				1719.392	22.043		88012.009	0.000
Treatment Prob(F)				0.0001	0.0001		0.0001	1.0000

CORN POSTEMERGENCE V

Trial ID: C6028
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 4-27-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail
Pest 2 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common
Pest 3 Type: W **Code:** AMBTR Ambrosia trifida
 Common Name: Giant Ragweed

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B
Application Date:	4-28-06	5-23-06
Time of Day:	3 PM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	+ 21D
Application Placement:	BROSOI	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	71 F	65 F
% Relative Humidity:	30	40
Wind Velocity, Unit:	4 MPH	6 MPH
Wind Direction:	SW	SW
Soil Temperature, Unit:	65 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0

CORN POSTEMERGENCE V

Trial ID: C6028
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V3	
Height, Unit:	4	IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Stage Majority, Percent:	2 LF	
Height, Unit:	1	IN
Pest 2 Code, Disc., Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:	8 LF	
Height, Unit:	2	IN
Pest 3 Code, Disc., Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	8 LF	
Height, Unit:	4	IN

Application Equipment

	A		B	
Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
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:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE VI

Trial ID: C6029
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	ZEAMX			ZEAMX
BBCH Scale	BCOR			BCOR
Crop Name	Corn			Corn
Description				
Rating Data Type	INJURY	CONTROL	CONTROL	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
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
1	ROUNDUP WeatherMAX	5.5	22	OZ/A	V4	0	98	93	77	0
1	AMS	100	2	LB A/A	V4					
2	ROUNDUP WeatherMAX	5.5	22	OZ/A	V4	0	99	88	93	0
2	RESOLVE	75	1	OZ/A	V4					
2	AMS	100	2	LB A/A	V4					
3	RESOLVE	75	1	OZ/A	PRE	0	99	93	99	0
3	AATREX	4	1	LB A/A	PRE					
3	ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
3	AMS	100	2	LB A/A	V4					
4	RESOLVE	75	1	OZ/A	PRE	0	99	90	99	0
4	AATREX	4	1	LB A/A	PRE					
4	ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
4	AMS	100	2	LB A/A	V4					
5	STEADFAST	75	0.75	OZ/A	V4	0	99	98	99	0
5	CALLISTO	4	2	OZ/A	V4					
5	AATREX	4	1	LB A/A	V4					
5	COC		1	QT/A	V4					
5	AMS	100	2	LB A/A	V4					
6	LUMAX	3.94	2	PT/A	V4	0	99	93	99	0
6	STOUT	72.5	0.5	OZ/A	V4					
6	ACTIVATOR 90		0.25	% V/V	V4					
7	CINCH ATZ	5.5	1.5	PT/A	PRE	0	99	99	99	0
7	STEADFAST	75	0.75	OZ/A	V4					
7	CALLISTO	4	2	OZ/A	V4					
7	AATREX	4	0.5	LB A/A	V4					
7	COC		1	QT/A	V4					
7	AMS	100	2	LB A/A	V4					
8	HARNESX XTRA	6	2.5	PT/A	PRE	0	99	96	99	0
8	ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
8	AMS	100	2	LB A/A	V4					
9	CHECK UNTREATED					0	0	0	0	0
10	CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)						0.0	1.3	4.5	6.6	0.0
Standard Deviation						0.0	0.7	2.6	3.8	0.0
CV						0.0	0.92	3.5	5.02	0.0
Grand Mean						0.0	79.07	75.1	76.37	0.0
Replicate F						0.000	1.000	0.058	1.907	0.000
Replicate Prob(F)						1.0000	0.3874	0.9440	0.1773	1.0000
Treatment F						0.000	9769.001	683.855	340.456	0.000
Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE VI

Trial ID: C6029
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL	IPOSS					
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common Morning glory								
Crop Code					ZEAMX				
BBCH Scale					BCOR				
Crop Name					Corn				
Description									
Rating Data Type	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				
Number of Decimals	0	0	0	0	0				
Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Unit	Stage					
					6				
					7				
					8				
					9				
					10				
1 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4	89	92	62	43	0
1 AMS	100	2	LB A/A	V4					
2 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4	96	82	88	70	0
2 RESOLVE	75	1	OZ/A	V4					
2 AMS	100	2	LB A/A	V4					
3 RESOLVE	75	1	OZ/A	PRE	99	87	99	67	0
3 AATREX	4	1	LB A/A	PRE					
3 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
3 AMS	100	2	LB A/A	V4					
4 RESOLVE	75	1	OZ/A	PRE	98	83	99	63	0
4 AATREX	4	1	LB A/A	PRE					
4 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
4 AMS		2	LB A/A	V4					
5 STEADFAST	75	0.75	OZ/A	V4	95	95	99	88	0
5 CALLISTO	4	2	OZ/A	V4					
5 AATREX	4	1	LB A/A	V4					
5 COC		1	QT/A	V4					
5 AMS	100	2	LB A/A	V4					
6 LUMAX	3.94	2	PT/A	V4	92	88	99	85	0
6 STOUT	72.5	0.5	OZ/A	V4					
6 ACTIVATOR 90		0.25	% V/V	V4					
7 CINCH ATZ	5.5	1.5	PT/A	PRE	99	98	99	78	0
7 STEADFAST	75	0.75	OZ/A	V4					
7 CALLISTO	4	2	OZ/A	V4					
7 AATREX	4	0.5	LB A/A	V4					
7 COC		1	QT/A	V4					
7 AMS	100	2	LB A/A	V4					
8 HARNESS XTRA	6	2.5	PT/A	PRE	99	93	99	75	0
8 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
8 AMS	100	2	LB A/A	V4					
9 CHECK UNTREATED					0	0	0	0	0
10 CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)					9.3	9.9	12.9	19.4	0.0
Standard Deviation					5.4	5.7	7.5	11.3	0.0
CV					7.09	8.02	10.14	19.83	0.0
Grand Mean					76.67	71.67	74.37	56.93	0.0
Replicate F					1.819	2.609	1.655	0.531	0.000
Replicate Prob(F)					0.1908	0.1011	0.2188	0.5971	1.0000
Treatment F					166.836	131.698	88.297	24.823	0.000
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE VI

Trial ID: C6029
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL	IPOSS					
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common Morning glory								
Crop Code					ZEAMX				
BBCH Scale					BCOR				
Crop Name					Corn				
Description					5 X 37				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	YIELD				
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	BU				
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK	8 WEEK					
ARM Action Codes	P	P	P	P	TY1				
Number of Decimals	0	0	0	0	0				
Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Unit	Stage					
					11 12 13 14 18				
1 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4	89	88	53	30	172
1 AMS	100	2	LB A/A	V4					
2 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4	96	80	83	63	163
2 RESOLVE	75	1	OZ/A	V4					
2 AMS	100	2	LB A/A	V4					
3 RESOLVE	75	1	OZ/A	PRE	99	85	99	50	196
3 AATREX	4	1	LB A/A	PRE					
3 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
3 AMS	100	2	LB A/A	V4					
4 RESOLVE	75	1	OZ/A	PRE	98	80	99	43	182
4 AATREX	4	1	LB A/A	PRE					
4 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
4 AMS	100	2	LB A/A	V4					
5 STEADFAST	75	0.75	OZ/A	V4	93	91	99	80	191
5 CALLISTO	4	2	OZ/A	V4					
5 AATREX	4	1	LB A/A	V4					
5 COC		1	QT/A	V4					
5 AMS	100	2	LB A/A	V4					
6 LUMAX	3.94	2	PT/A	V4	90	88	99	75	169
6 STOUT	72.5	0.5	OZ/A	V4					
6 ACTIVATOR 90		0.25	% V/V	V4					
7 CINCH ATZ	5.5	1.5	PT/A	PRE	99	96	99	70	189
7 STEADFAST	75	0.75	OZ/A	V4					
7 CALLISTO	4	2	OZ/A	V4					
7 AATREX	4	0.5	LB A/A	V4					
7 COC		1	QT/A	V4					
7 AMS	100	2	LB A/A	V4					
8 HARNESS XTRA	6	2.5	PT/A	PRE	99	90	99	65	153
8 ROUNDUP WeatherMAX	5.5	22	OZ/A	V4					
8 AMS	100	2	LB A/A	V4					
9 CHECK UNTREATED					0	0	0	0	14
10 CHECK UNTREATED					0	0	0	0	13
LSD (P=.05)					9.3	10.8	14.9	20.5	36.3
Standard Deviation					5.4	6.3	8.7	11.9	21.1
CV					7.07	9.03	11.89	25.03	14.66
Grand Mean					76.33	69.83	73.03	47.67	144.13
Replicate F					1.933	3.377	1.943	2.711	3.156
Replicate Prob(F)					0.1735	0.0568	0.1722	0.0935	0.0668
Treatment F					168.282	104.012	67.181	18.077	33.218
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

Column 15: TY1 = 4.204633*[16]*(100-[17])/84.5

CORN POSTEMERGENCE VI

Trial ID: C6029
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 4-27-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
 Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B
Application Date:	4-28-06	5-24-06
Time of Day:	3 PM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	V4
Application Placement:	BROSIOI	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	71 F	65 F
% Relative Humidity:	30	40
Wind Velocity, Unit:	4 MPH	6 MPH
Wind Direction:	SW	SSE
Soil Temperature, Unit:	65 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	0	0

CORN POSTEMERGENCE VI

Trial ID: C6029
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	V4	
Height, Unit:	6	IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Stage Majority, Percent:	2 LF	
Height, Unit:	2	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	6 LF	
Height, Unit:	4	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:	6 LF	
Height, Unit:	2	IN

Application Equipment

	A		B	
Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
Nozzle Type:	FLAT FAN		FLAT FAN	
Nozzle Size:	8004 DG		8004 DG	
Nozzle Spacing, Unit:	20	IN	20	IN
Boom Length, Unit:	5	FT	10	FT
Boom Height, Unit:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE VII

Trial ID: C6040
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type					W Weed	W Weed	W Weed		
Pest Code					SETFA	AMBTR	IPOSS		
Pest Name					Giant foxtail	Giant Ragweed	Morning glory		
Crop Code					ZEAMX				ZEAMX
BBCH Scale					BCOR				BCOR
Crop Name					Corn				Corn
Description									5 X 28
Rating Data Type					INJURY	CONTROL	CONTROL	CONTROL	YIELD
Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	BU
Trt-Eval Interval					8 WEEK	8 WEEK	8 WEEK	8 WEEK	
ARM Action Codes					P	P	P	P	TY1
Number of Decimals					0	0	0	0	0
Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Unit	Stage	1	2	3	4	8
1 LUMAX	3.94	2.47	LB A/A	PRE	0	98	97	91	194
2 RADIUS	4	0.625	LB A/A	PRE	0	96	78	68	115
3 HARNESS XTRA	6	1.5	LB A/A	PRE	0	96	96	83	222
3 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	MP					
4 DEGREE XTRA	4.04	2.02	LB A/A	PRE	0	98	96	82	182
4 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	MP					
5 DEGREE XTRA	4.04	2.02	LB A/A	PRE	0	91	99	90	229
5 DEGREE XTRA	4.04	1	QT/A	5C					
5 ROUNDUP ORIGINAL MAX		0.75	LB AE/A	5C					
6 LUMAX	3.94	1.97	LB A/A	PRE	0	93	94	84	215
6 TOUCHDOWN TOTAL	4.17	0.78	LB AE/A	MP					
7 AATREX	4	2	LB A/A	PRE	0	90	94	85	226
7 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	MP					
8 LEXAR	3.7	2.78	LB A/A	PRE	0	92	97	91	231
9 LEXAR	3.7	2.16	LB A/A	PRE	0	95	99	94	226
9 TOUCHDOWN TOTAL	4.17	0.78	LB AE/A	MP					
10 LUMAX	3.94	2.96	LB A/A	PRE	0	98	94	88	199
LSD (P=.05)					0.0	6.4	5.1	9.0	54.8
Standard Deviation					0.0	4.4	3.5	6.2	37.7
CV					0.0	4.62	3.74	7.26	18.51
Grand Mean					0.0	94.73	94.13	85.43	203.88
Replicate F					0.000	2.618	0.544	0.419	3.475
Replicate Prob(F)					1.0000	0.0714	0.6564	0.7411	0.0297
Treatment F					0.000	1.799	12.346	5.814	3.514
Treatment Prob(F)					1.0000	0.1148	0.0001	0.0002	0.0054

Column 5: TY1 = 5.556122*[C6]*(100-[C7])/84.5

Plant and Soil Science, U of KY
Weed Science Research

CORN POSTEMERGENCE VII

Trial ID: C6040
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Crop Stage At Each Application**

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	5C		12C

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W
Height, Unit:	2	IN 2	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W
Height, Unit:	2	IN 4	IN
Pest 3 Code, Disc., Scale:	IOPSS W	IOPSS W	IOPSS W
Height, Unit:	2	IN 3	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	BACKPACK
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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	5 FT
Boom Height, Unit:	19 IN	19 IN	25 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

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT DANDELION

Trial ID: C6042
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Code	TAROF	TAROF2	TAROF3	TAROF	
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Name					Corn
Description					5 X 37
Rating Data Type				CONTROL	YIELD
Rating Unit				PERCENT	BU
Trt-Eval Interval				IN CROP	
Plant-Eval Interval	7 DAY	14 DAY	21 DAY		
ARM Action Codes	p	p	p		TY1
Number of Decimals	0	0	0		0

Trt No.	Treatment Name	Form	Rate	Unit	Growth Stage	1	2	3	5	9
1	ROUNDUP ORIGINAL	MAX	5.5	22 FL OZ/A	MARCH	78	85	87	58	226
1	DEGREE XTRA		4.04	3 QT/A	MARCH					
1	WEEDONE LV4		3.8	1 PT/A	MARCH					
1	LIQUID N			24 GAL/A	MARCH					
2	ROUNDUP ORIGINAL	MAX	5.5	32 FL OZ/A	MARCH	83	90	91	77	231
2	DEGREE XTRA		4.04	3 QT/A	MARCH					
2	WEEDONE LV4		3.8	1 PT/A	MARCH					
2	LIQUID N			24 GAL/A	MARCH					
3	ROUNDUP ORIGINAL	MAX	5.5	44 FL OZ/A	MARCH	90	95	96	70	238
3	DEGREE XTRA		4.04	3 QT/A	MARCH					
3	WEEDONE LV4		3.8	1 PT/A	MARCH					
3	LIQUID N			24 GAL/A	MARCH					
4	GRAMOXONE	MAX	3	26 FL OZ/A	MARCH	90	95	95	90	227
4	DEGREE XTRA		4.04	3 QT/A	MARCH					
4	WEEDONE LV4		3.8	1 PT/A	MARCH					
4	LIQUID N			24 GAL/A	MARCH					
5	ROUNDUP ORIGINAL	MAX	5.5	22 FL OZ/A	MARCH	20	78	90	82	240
5	DEGREE XTRA		4.04	3 QT/A	MARCH					
5	WEEDONE LV4		3.8	1 PT/A	MARCH					
5	WATER			24 GAL/A	MARCH					
6	GRAMOXONE	MAX	3	26 FL OZ/A	MARCH	87	90	85	57	208
6	DEGREE XTRA		4.04	3 QT/A	MARCH					
6	WEEDONE LV4		3.8	1 PT/A	MARCH					
6	WATER			24 GAL/A	MARCH					
7	ROUNDUP ORIGINAL	MAX	5.5	22 FL OZ/A	+15D	53	70	90	47	227
7	DEGREE XTRA		4.04	3 QT/A	+15D					
7	WEEDONE LV4		3.8	1 PT/A	+15D					
7	LIQUID N			24 GAL/A	+15D					
8	ROUNDUP ORIGINAL	MAX	5.5	32 FL OZ/A	+15D	60	78	88	53	219
8	DEGREE XTRA		4.04	3 QT/A	+15D					
8	WEEDONE LV4		3.8	1 PT/A	+15D					
8	LIQUID N			24 GAL/A	+15D					
9	ROUNDUP ORIGINAL	MAX	5.5	44 FL OZ/A	+15D	75	78	93	53	234
9	DEGREE XTRA		4.04	3 QT/A	+15D					
9	WEEDONE LV4		3.8	1 PT/A	+15D					
9	LIQUID N			24 GAL/A	+15D					
10	GRAMOXONE	MAX	3	26 FL OZ/A	+15D	81	78	95	70	238
10	DEGREE XTRA		4.04	3 QT/A	+15D					
10	WEEDONE LV4		3.8	1 PT/A	+15D					
10	LIQUID N			24 GAL/A	+15D					
11	ROUNDUP ORIGINAL	MAX	5.5	22 FL OZ/A	+15D	27	53	95	70	215
11	DEGREE XTRA		4.04	3 QT/A	+15D					
11	WEEDONE LV4		3.8	1 PT/A	+15D					
11	WATER			24 GAL/A	+15D					

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT DANDELION

Trial ID: C6042
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Code	TAROF	TAROF2	TAROF3	TAROF	
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Name					Corn
Description					5 X 37
Rating Data Type				CONTROL	YIELD
Rating Unit				PERCENT	BU
Trt-Eval Interval				IN CROP	
Plant-Eval Interval	7 DAY	14 DAY	21 DAY		
ARM Action Codes	p	p	p		TY1
Number of Decimals	0	0	0		0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	5	9
12	GRAMOXONE MAX	3	26	FL OZ/A	+15D	82	83	87	40	222
12	DEGREE XTRA	4.04	3	QT/A	+15D					
12	WEEDONE LV4	3.8	1	PT/A	+15D					
12	WATER		24	GAL/A	+15D					
13	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+30D	87	93	85	57	234
13	DEGREE XTRA	4.04	3	QT/A	+30D					
13	WEEDONE LV4	3.8	1	PT/A	+30D					
13	LIQUID N		24	GAL/A	+30D					
13										
14	ROUNDUP ORIGINAL MAX	5.5	32	FL OZ/A	+30D	87	95	90	60	227
14	DEGREE XTRA	4.04	3	QT/A	+30D					
14	WEEDONE LV4	3.8	1	PT/A	+30D					
14	LIQUID N		24	GAL/A	+30D					
15	ROUNDUP ORIGINAL MAX	5.5	44	FL OZ/A	+30D	87	95	89	70	227
15	DEGREE XTRA	4.04	3	QT/A	+30D					
15	WEEDONE LV4	3.8	1	PT/A	+30D					
15	LIQUID N		24	GAL/A	+30D					
16	GRAMOXONE MAX	3	26	FL OZ/A	+30D	90	95	93	82	230
16	DEGREE XTRA	4.04	3	QT/A	+30D					
16	WEEDONE LV4	3.8	1	PT/A	+30D					
16	LIQUID N		24	GAL/A	+30D					
17	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	+30D	85	93	96	87	238
17	DEGREE XTRA	4.04	3	QT/A	+30D					
17	WEEDONE LV4	3.8	1	PT/A	+30D					
17	WATER		24	GAL/A	+30D					
18	GRAMOXONE MAX	3	26	FL OZ/A	+30D	90	95	87	60	222
18	DEGREE XTRA	4.04	3	QT/A	+30D					
18	WEEDONE LV4	3.8	1	PT/A	+30D					
18	WATER		24	GAL/A	+30D					

LSD (P=.05)	16.0	8.1	7.1	30.7	45.7
Standard Deviation	9.6	4.9	4.3	18.4	27.4
CV	12.77	5.7	4.72	28.07	12.04
Grand Mean	75.06	85.65	90.65	65.65	227.86
Replicate F	0.600	2.584	1.462	1.728	2.639
Replicate Prob(F)	0.5545	0.0902	0.2459	0.1929	0.0860
Treatment F	14.898	16.216	2.361	1.739	0.292
Treatment Prob(F)	0.0001	0.0001	0.0161	0.0833	0.9954

Column 5: TY1 = 4.204633*[7]*(100-[8])/84.5

Plant and Soil Science, U of KY
Weed Science Research

NO TILL CORN EARLY PREPLANT DANDELION

Trial ID: C6042
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Trial Location

City: LEXINGTON
State/Prov.: KENTUCKY
Postal Code: 40511
Country: USA

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: ASGROW RX715RR2/YGCB
BBCH Scale: BCOR **Planting Date:** 5-3-06
Planting Method: ROWS **Rate, Unit:** 30000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN **Spacing Within Row, Unit:** 7 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** TAROF Taraxacum officinale
Common Name: Common dandelion

Site and Design

Plot Width, Unit: 7 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Split-Block

Soil Description

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

Application Description

	A	B	C
Application Date:	3-14-06	3-29-06	4-13-06
Time of Day:	10 AM	10 AM	1:30 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	MARCH	+15D	+30D
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	40 F	52 F	76 F
% Relative Humidity:	60	62	30
Wind Velocity, Unit:	8 MPH	2 MPH	2 MPH
Wind Direction:	WNW	WNW	SW
Soil Temperature, Unit:	50 F	50 F	62 F
Soil Moisture:	EXCESSIVE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR

NO TILL CORN EARLY PREPLANT DANDELION

Trial ID: C6042
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Pest Stage At Each Application**

	A		B		C	
Pest 1 Code, Disc., Scale:	TAROF	W	TAROF	W	TAROF	W
Height, Unit:	2	IN	4	in	6	IN

Application Equipment

	A		B		C	
Appl. Equipment:	BACKPACK		BACKPACK		BACKPACK	
Operating Pressure, Unit:	30	PSI	30	PSI	30	PSI
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:	25	IN	25	IN	25	IN
Ground Speed, Unit:	3.5 MPH		3.5 MPH		3.5 MPH	
Carrier:	LIQ N WAT		LIQ N WAT		LIQ N WAT	
Spray Volume, Unit:	24	GPA	24	GPA	24	GPA
Propellant:	CO2		CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type							W Weed	W Weed
Pest Code							SETFA	AMBTR
Pest Name							Giant foxtail	Giant Ragweed
Crop Code			GLXMA	GLXMA				
BBCH Scale			BSOY	BSOY				
Crop Name			Soybean	Soybean				
Rating Data Type			INJURY	INJURY			CONTROL	CONTROL
Rating Unit			PERCENT	PERCENT			PERCENT	PERCENT
Trt-Eval Interval			1 WEEK B	POST APPL			B POST APPL	B POST APPL
Plant-Eval Interval				27 DAY			27 DAY	27 DAY
ARM Action Codes			P	P			P	P
Number of Decimals			0	0			0	0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	1	2	3	4
1 PREFIX	5.26	1.5	PT/A	PRE	0	0	99	77
1 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
1 AMS		3.7	% V/V	LP				
2 PREFIX	5.26	2	PT/A	PRE	0	0	99	89
2 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
2 AMS		3.7	% V/V	LP				
3 PREFIX	5.26	2.4	PT/A	PRE	0	0	99	92
3 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
3 AMS		3.7	% V/V	LP				
4 BOUNDARY	6.5	1.5	PT/A	PRE	0	0	99	67
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP				
4 AMS		3.7	% V/V	LP				
5 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	LP	0	0	0	0
5 AMS		3.7	% V/V	LP				
6 PYTHON	80	0.5	OZ/A	PRE	0	0	13	92
6 GLYPHOMAX XRT	5.4	24	FL OZ/A	LP				
6 AMS		3.7	% V/V	LP				
7 PYTHON	80	0.8	OZ/A	PRE	0	0	20	91
7 GLYPHOMAX XRT	5.4	24	FL OZ/A	LP				
7 AMS		3.7	% V/V	LP				
8 GLYPHOMAX XRT	5.4	24	FL OZ/A	LP	0	0	0	0
8 FIRSTRATE	84	0.3	OZ/A	LP				
8 AMS		3.7	% V/V	LP				
9 CANOPY	75	2.25	OZ/A	PRE	0	0	7	80
10 CANOPY	75	3.5	OZ/A	PRE	0	0	7	77
11 GLYFOS EXTRA	4	1	QT/A	+3WK	0	0	99	88
11 PURSUIT	2	0.0315	LB A/A	+3WK				
12 GLYFOS EXTRA	4	1	QT/A	+3WK	0	0	99	90
12 PURSUIT	2	0.047	LB A/A	+3WK				
13 EXTREME	2.17	3	PT/A	+3WK	0	0	99	89
13 AMS		3.7	% V/V	+3WK				
14 CHECK UNTREATED					0	0	0	0
LSD (P=.05)					0.0	0.0	8.5	8.0
Standard Deviation					0.0	0.0	5.1	4.7
CV					0.0	0.0	9.58	7.13
Grand Mean					0.0	0.0	52.83	66.52
Replicate F					0.000	0.000	2.600	1.088
Replicate Prob(F)					1.0000	1.0000	0.0935	0.3518
Treatment F					0.000	0.000	271.752	180.673
Treatment Prob(F)					1.0000	1.0000	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

					W Weed	W Weed	W Weed	
					CHEAL	SETFA	AMBTR	
					Lambsquarters, common	Giant foxtail	Giant Ragweed	
					GLXMA	BSOY		
					Soybean			
					CONTROL	INJURY	CONTROL	CONTROL
					PERCENT	PERCENT	PERCENT	PERCENT
					B POST APPL	2 WEEK	2 WEEK	2 WEEK
					27 DAY			
					P	P	P	P
					0	0	0	0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	5	6	7	8
1 PREFIX	5.26	1.5	PT/A	PRE				
1 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	99	0	99	99
1 AMS		3.7	% V/V	LP				
2 PREFIX	5.26	2	PT/A	PRE				
2 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	99	0	99	99
2 AMS		3.7	% V/V	LP				
3 PREFIX	5.26	2.4	PT/A	PRE				
3 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	99	0	99	99
3 AMS		3.7	% V/V	LP				
4 BOUNDARY	6.5	1.5	PT/A	PRE				
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	99	0	99	99
4 AMS		3.7	% V/V	LP				
5 ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	LP	0	0	99	99
5 AMS		3.7	% V/V	LP				
6 PYTHON	80	0.5	OZ/A	PRE				
6 GLYPHOMAX XRT	5.4	24	FL OZ/A	LP	99	0	99	99
6 AMS		3.7	% V/V	LP				
7 PYTHON	80	0.8	OZ/A	PRE				
7 GLYPHOMAX XRT	5.4	24	FL OZ/A	LP	99	0	99	98
7 AMS		3.7	% V/V	LP				
8 GLYPHOMAX XRT	5.4	24	FL OZ/A	LP	0	0	99	99
8 FIRSTRATE	84	0.3	OZ/A	LP				
8 AMS		3.7	% V/V	LP				
9 CANOPY	75	2.25	OZ/A	PRE	98	0	7	80
10 CANOPY	75	3.5	OZ/A	PRE	96	0	7	80
11 GLYFOS EXTRA	4	1	QT/A	+3WK				
11 PURSUIT	2	0.0315	LB A/A	+3WK	99	0	99	95
12 GLYFOS EXTRA	4	1	QT/A	+3WK				
12 PURSUIT	2	0.047	LB A/A	+3WK	99	0	99	95
13 EXTREME	2.17	3	PT/A	+3WK				
13 AMS		3.7	% V/V	+3WK	99	0	99	93
14 CHECK UNTREATED					0	0	0	0
LSD (P=.05)					2.5	0.0	7.0	7.9
Standard Deviation					1.5	0.0	4.2	4.7
CV					1.9	0.0	5.33	5.33
Grand Mean					77.48	0.0	78.74	88.07
Replicate F					1.848	0.000	2.167	2.818
Replicate Prob(F)					0.1777	1.0000	0.1348	0.0780
Treatment F					2429.706	0.000	276.993	93.632
Treatment Prob(F)					0.0001	1.0000	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type					W Weed	W Weed	W Weed
Pest Code					CHEAL	SETFA	AMBTR
Pest Name					Lambsquarters, common	Giant foxtail	Giant Ragweed
Crop Code					GLXMA		
BBCH Scale					BSOY		
Crop Name					Soybean		
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					PERCENT	PERCENT	PERCENT
Trt-Eval Interval					2 WEEK	4 WEEK	4 WEEK
Plant-Eval Interval							
ARM Action Codes					P	P	P
Number of Decimals					0	0	0
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage	9	10	11	12
1 PREFIX	5.26	1.5 PT/A	PRE				
1 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
1 AMS		3.7 % V/V	LP				85
2 PREFIX	5.26	2 PT/A	PRE				
2 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
2 AMS		3.7 % V/V	LP				85
3 PREFIX	5.26	2.4 PT/A	PRE				
3 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
3 AMS		3.7 % V/V	LP				88
4 BOUNDARY	6.5	1.5 PT/A	PRE				
4 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
4 AMS		3.7 % V/V	LP				68
5 ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	LP				
5 AMS		3.7 % V/V	LP		99	0	99
6 PYTHON	80	0.5 OZ/A	PRE				
6 GLYPHOMAX XRT	5.4	24 FL OZ/A	LP		99	0	53
6 AMS		3.7 % V/V	LP				87
7 PYTHON	80	0.8 OZ/A	PRE				
7 GLYPHOMAX XRT	5.4	24 FL OZ/A	LP		99	0	33
7 AMS		3.7 % V/V	LP				88
8 GLYPHOMAX XRT	5.4	24 FL OZ/A	LP				
8 FIRSTRATE	84	0.3 OZ/A	LP		99	0	99
8 AMS		3.7 % V/V	LP				99
9 CANOPY	75	2.25 OZ/A	PRE				
					98	0	7
10 CANOPY	75	3.5 OZ/A	PRE				
					96	0	7
11 GLYFOS EXTRA	4	1 QT/A	+3WK				
11 PURSUIT	2	0.0315 LB A/A	+3WK		99	0	73
12 GLYFOS EXTRA	4	1 QT/A	+3WK				
12 PURSUIT	2	0.047 LB A/A	+3WK		99	0	73
13 EXTREME	2.17	3 PT/A	+3WK				
13 AMS		3.7 % V/V	+3WK		99	0	73
14 CHECK UNTREATED					0	0	0
LSD (P=.05)					2.5	0.0	37.8
Standard Deviation					1.5	0.0	22.5
CV					1.61	0.0	34.54
Grand Mean					91.62	0.0	65.12
Replicate F					1.848	0.000	3.466
Replicate Prob(F)					0.1777	1.0000	0.0463
Treatment F					958.944	0.000	8.802
Treatment Prob(F)					0.0001	1.0000	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type					W Weed	W Weed	W Weed
Pest Code					CHEAL	SETFA	AMBTR
Pest Name					Lambsquarters, common	Giant foxtail	Giant Ragweed
Crop Code					GLXMA		
BBCH Scale					BSOY		
Crop Name					Soybean		
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					PERCENT	PERCENT	PERCENT
Trt-Eval Interval					4 WEEK	8 WEEK	8 WEEK
Plant-Eval Interval							
ARM Action Codes					P	P	P
Number of Decimals					0	0	0
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage		13	14	15
							16
1 PREFIX	5.26	1.5 PT/A	PRE				
1 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
1 AMS		3.7 % V/V	LP				84
2 PREFIX	5.26	2 PT/A	PRE				
2 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
2 AMS		3.7 % V/V	LP				84
3 PREFIX	5.26	2.4 PT/A	PRE				
3 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
3 AMS		3.7 % V/V	LP				85
4 BOUNDARY	6.5	1.5 PT/A	PRE				
4 TOUCHDOWN TOTAL	4.17	24 FL OZ/A	LP		99	0	99
4 AMS		3.7 % V/V	LP				60
5 ROUNDUP ORIGINAL MAX	5.5	22 FL OZ/A	LP				
5 AMS		3.7 % V/V	LP		98	0	99
6 PYTHON	80	0.5 OZ/A	PRE				
6 GLYPHOMAX XRT	5.4	24 FL OZ/A	LP		99	0	53
6 AMS		3.7 % V/V	LP				82
7 PYTHON	80	0.8 OZ/A	PRE				
7 GLYPHOMAX XRT	5.4	24 FL OZ/A	LP		99	0	33
7 AMS		3.7 % V/V	LP				88
8 GLYPHOMAX XRT	5.4	24 FL OZ/A	LP				
8 FIRSTRATE	84	0.3 OZ/A	LP		99	0	99
8 AMS		3.7 % V/V	LP				95
9 CANOPY	75	2.25 OZ/A	PRE				
					98	0	7
10 CANOPY	75	3.5 OZ/A	PRE				
					93	0	7
11 GLYFOS EXTRA	4	1 QT/A	+3WK				
11 PURSUIT	2	0.0315 LB A/A	+3WK		99	0	73
12 GLYFOS EXTRA	4	1 QT/A	+3WK				
12 PURSUIT	2	0.047 LB A/A	+3WK		99	0	73
13 EXTREME	2.17	3 PT/A	+3WK				
13 AMS		3.7 % V/V	+3WK		99	0	73
14 CHECK UNTREATED					0	0	0
LSD (P=.05)					2.7	0.0	37.8
Standard Deviation					1.6	0.0	22.5
CV					1.76	0.0	34.54
Grand Mean					91.31	0.0	65.12
Replicate F					1.555	0.000	3.466
Replicate Prob(F)					0.2302	1.0000	0.0463
Treatment F					803.667	0.000	8.802
Treatment Prob(F)					0.0001	1.0000	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type W Weed
Pest Code CHEAL
Pest Name Lambsquarters, common
Crop Code
BBCH Scale
Crop Name
Rating Data Type CONTROL
Rating Unit PERCENT
Trt-Eval Interval 8 WEEK
Plant-Eval Interval
ARM Action Codes P
Number of Decimals 0

Trt	Treatment	Form	Rate	Growth	
No.	Name	Conc	Rate	Unit	Stage
					17
1	PREFIX	5.26	1.5	PT/A	PRE
1	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP
1	AMS		3.7	% V/V	LP
2	PREFIX	5.26	2	PT/A	PRE
2	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP
2	AMS		3.7	% V/V	LP
3	PREFIX	5.26	2.4	PT/A	PRE
3	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP
3	AMS		3.7	% V/V	LP
4	BOUNDARY	6.5	1.5	PT/A	PRE
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP
4	AMS		3.7	% V/V	LP
5	ROUNDUP ORIGINAL MAX	5.5	22	FL OZ/A	LP
5	AMS		3.7	% V/V	LP
6	PYTHON	80	0.5	OZ/A	PRE
6	GLYPHOMAX XRT	5.4	24	FL OZ/A	LP
6	AMS		3.7	% V/V	LP
7	PYTHON	80	0.8	OZ/A	PRE
7	GLYPHOMAX XRT	5.4	24	FL OZ/A	LP
7	AMS		3.7	% V/V	LP
8	GLYPHOMAX XRT	5.4	24	FL OZ/A	LP
8	FIRSTRATE	84	0.3	OZ/A	LP
8	AMS		3.7	% V/V	LP
9	CANOPY	75	2.25	OZ/A	PRE
10	CANOPY	75	3.5	OZ/A	PRE
11	GLYFOS EXTRA	4	1	QT/A	+3WK
11	PURSUIT	2	0.0315	LB A/A	+3WK
12	GLYFOS EXTRA	4	1	QT/A	+3WK
12	PURSUIT	2	0.047	LB A/A	+3WK
13	EXTREME	2.17	3	PT/A	+3WK
13	AMS		3.7	% V/V	+3WK
14	CHECK UNTREATED				0
LSD (P=.05)					2.7
Standard Deviation					1.6
CV					1.76
Grand Mean					91.31
Replicate F					1.555
Replicate Prob(F)					0.2302
Treatment F					803.667
Treatment Prob(F)					0.0001

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
 Common Name: Giant Ragweed

Pest 3 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C
Application Date:	5-9-06	5-30-06	6-5-06
Time of Day:	10 AM	11 AM	5 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	LP	+3WK
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	67 F	73 F	77 F
% Relative Humidity:	73	44	65
Wind Velocity, Unit:	6 MPH	6 MPH	6 MPH
Wind Direction:	SSW	NE	WSW
Soil Temperature, Unit:	65 F	75 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0	50

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:	2 TR	3 TR	

SOYBEAN PREEMERGENCE & POSTEMERGENCE

Trial ID: S6014

Location: LEXINGTON, KY

Protocol ID:

Study Director: CHARLES H. SLACK

Investigator: Charles H Slack

Pest Stage At Each Application

	A	B	C	
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W	
Stage Majority, Percent:	2 LF		3LF	
Height, Unit:			2	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W	
Stage Majority, Percent:	8 LF		10LF	
Height, Unit:	4	IN	3	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W	
Stage Majority, Percent:	8 LF		8LF	
Height, Unit:	2	IN	2	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE

Trial ID: S6015
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type				W Weed	W Weed	W Weed		
Pest Code				SETFA	AMBTR	CHEAL		
Pest Name				Giant foxtail	Giant Ragweed	Lambsquarters,	common	
Crop Code	GLXMA							GLXMA
BBCH Scale	BSOY							BSOY
Crop Name	Soybean							Soybean
Rating Data Type	INJURY			CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit	PERCENT			PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK			2 WEEK	2 WEEK	2 WEEK	4 WEEK	4 WEEK
Plant-Eval Interval	P			P	P	P	P	P
ARM Action Codes	0			0	0	0	0	0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Stage	1	2	3	4	5
1 CHECK UNTREATED				0	0	0	0	0
2 KIH 485	85	0.112 LB	A/A PRE	0	99	60	99	0
3 KIH 485	85	0.148 LB	A/A PRE	0	99	53	99	0
4 KIH 485	85	0.296 LB	A/A PRE	0	99	75	99	0
5 DUAL II	7.64	1.27 LB	A/A PRE	0	99	40	70	0
6 OUTLOOK	6	0.77 LB	A/A PRE	0	99	67	76	0
7 KIH 485	85	0.112 LB	A/A PRE	0	99	99	99	0
7 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP					
8 KIH 485	85	0.089 LB	A/A PRE	0	99	99	99	0
8 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP					
9 KIH 485	85	0.178 LB	A/A PRE	0	99	99	99	0
9 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP					
10 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP	0	99	99	99	0
LSD (P=.05)				0.0	0.0	11.8	5.6	0.0
Standard Deviation				0.0	0.0	6.9	3.3	0.0
CV				0.0	0.0	9.99	3.92	0.0
Grand Mean				0.0	89.1	69.1	83.9	0.0
Replicate F				0.000	0.000	1.311	1.000	0.000
Replicate Prob(F)				1.0000	1.0000	0.2942	0.3874	1.0000
Treatment F				0.000	0.000	66.896	274.411	0.000
Treatment Prob(F)				1.0000	1.0000	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE

Trial ID: S6015
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	SETFA	AMBTR	CHEAL	SETFA				
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	Giant foxtail				
Crop Code				GLXMA				
BBCH Scale				BSOY				
Crop Name				Soybean				
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY				
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT				
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK				
Plant-Eval Interval	P	P	P	P				
ARM Action Codes	0	0	0	0				
Trt Treatment	Form	Rate	Growth	6	7	8	9	10
No. Name	Conc	Rate	Stage					
1 CHECK UNTREATED				0	0		0	0
2 KIH 485	85	0.112 LB	A/A PRE	99	60		92	0
3 KIH 485	85	0.148 LB	A/A PRE	99	53		95	0
4 KIH 485	85	0.296 LB	A/A PRE	99	75		99	0
5 DUAL II	7.64	1.27 LB	A/A PRE	99	40		53	0
6 OUTLOOK	6	0.77 LB	A/A PRE	95	67		57	0
7 KIH 485	85	0.112 LB	A/A PRE	99	99		99	0
7 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP					
8 KIH 485	85	0.089 LB	A/A PRE	99	99		99	0
8 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP					
9 KIH 485	85	0.178 LB	A/A PRE	99	99		89	0
9 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP					
10 ROUNDUP WeatherMAX	5.5	0.78 LB	A/A MP	99	99		96	0
LSD (P=.05)				3.4	11.8		15.1	0.0
Standard Deviation				2.0	6.9		8.8	0.0
CV				2.26	9.99		11.33	0.0
Grand Mean				88.73	69.1		77.9	0.0
Replicate F				1.000	1.311		1.344	0.000
Replicate Prob(F)				0.3874	0.2942		0.2858	1.0000
Treatment F				724.000	66.896		40.209	0.000
Treatment Prob(F)				0.0001	0.0001		0.0001	1.0000

SOYBEAN POSTEMERGENCE

Trial ID: S6015
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant Ragweed

Pest 3 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: MAURY

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

Application Description

	A	B
Application Date:	5-9-06	6-1-06
Time of Day:	10 AM	5 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	MP
Application Placement:	BROSOI	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	67 F	80 F
% Relative Humidity:	70	62
Wind Velocity, Unit:	6 MPH	6 MPH
Wind Direction:	SSW	WSW
Soil Temperature, Unit:	66 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	50

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:	2TR	

SOYBEAN POSTEMERGENCE

Trial ID: S6015
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W
Stage Majority, Percent:		3LF
Height, Unit:		2 IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:		10 LF
Height, Unit:		4 IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:		8 LF
Height, Unit:		2 IN

Application Equipment

	A	B
Appl. Equipment:	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI
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:	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA
Propellant:	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE II

Trial ID: S6016
Location: LEXINGTON, KY

Protocol ID: GIANT RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed						
Pest Code	AMBTR	AMBTR	CHEAL						
Pest Name	Giant Ragweed	Giant Ragweed	Lambsquarters, common						
Crop Code		GLXMA		GLXMA					
BBCH Scale		BSOY		BSOY					
Crop Name		Soybean		Soybean					
Rating Date									
Rating Data Type	CONTROL	INJURY	CONTROL	CONTROL	INJURY				
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT				
Trt-Eval Interval	BEFORE	POST	2 WEEK	2 WEEK	4 WEEK				
Plant-Eval Interval									
ARM Action Codes	P	P	P	P	P				
Number of Decimals	0	0	0	0	0				
Trt Treatment	Form	Rate	Growth						
No. Name	Conc	Rate	Stage	1	2	3	4	5	
1 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	5W		0	1	87	98	10
1 AMS		3.7 % V/V	5W						
1 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	+3W						
1 AMS		3.7 % V/V	+3W						
2 FIRSTRATE	84	0.026 LB A/A	PRE	86	0	96	99	1	
2 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	5W						
2 AMS		3.7 % V/V	5W						
3 SCEPTER	70	0.1225 LB A/A	PRE	89	10	98	99	7	
3 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	5W						
3 AMS		3.7 % V/V	5W						
4 FIRSTRATE	84	0.026 LB A/A	PRE	94	0	94	99	3	
4 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W						
4 FLEXSTAR	1.88	0.176 LB A/A	3W						
4 AMS		3.7 % V/V	3W						
5 FIRSTRATE	84	0.021 LB A/A	PRE	84	0	93	99	0	
5 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W						
5 AMS		3.7 % V/V	3W						
6 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W	0	19	95	99	4	
6 FLEXSTAR	1.88	0.294 LB A/A	3W						
6 AMS		3.7 % V/V	3W						
7 SCEPTER	70	0.1225 LB A/A	PRE	94	29	98	99	12	
7 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W						
7 FLEXSTAR	1.88	0.294 LB A/A	3W						
7 AMS		3.7 % V/V	3W						
8 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W	0	10	93	96	5	
8 RAPTOR	1	0.031 LB A/A	3W						
8 AMS		3.7 % V/V	3W						
9 FIRSTRATE	84	0.026 LB A/A	PRE	94	21	95	97	11	
9 FLEXSTAR	1.88	0.294 LB AE/A	3W						
9 FUSION	2.66	0.2 LB A/A	3W						
9 ACTIVATOR 90		0.5 % V/V	3W						
10 SCEPTER	70	0.1225 LB A/A	PRE	90	40	97	98	11	
10 FLEXSTAR	1.88	0.294 LB AE/A	3W						
10 FUSION	2.66	0.2 LB A/A	3W						
10 ACTIVATOR 90		0.5 % V/V	3W						
11 FIRSTRATE	84	0.026 LB A/A	PRE	89	25	98	99	11	
11 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W						
11 COBRA	2	0.19 LB AE/A	3W						
11 HARMONY GT	50	0.003 LB A/A	3W						
11 AMS		3.7 % V/V	3W						
12 SCEPTER	70	0.1225 LB A/A	PRE	90	40	97	99	20	
12 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W						
12 COBRA	2	0.19 LB AE/A	3W						
12 AMS		3.7 % V/V	3W						

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE II

Trial ID: S6016
Location: LEXINGTON, KY

Protocol ID: GIANT RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed		W Weed		W Weed			
Pest Code	AMBTR		AMBTR		CHEAL			
Pest Name	Giant Ragweed		Giant Ragweed		Lambsquarters, common			
Crop Code	GLXMA		GLXMA		GLXMA			
BBCH Scale	BSOY		BSOY		BSOY			
Crop Name	Soybean		Soybean		Soybean			
Rating Date	CONTROL		CONTROL		CONTROL			
Rating Data Type	INJURY		INJURY		INJURY			
Rating Unit	PERCENT		PERCENT		PERCENT			
Trt-Eval Interval	BEFORE POST		2 WEEK		2 WEEK			
Plant-Eval Interval	2 WEEK		2 WEEK		4 WEEK			
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Stage	1	2	3	4	5
13 CHECK UNTREATED				0	0	0	0	25
14 INTRRO	4	2 LB A/A	PRE	63	0	93	98	1
14 SENCOR	75	8 OZ/A	PRE					
14 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W					
14 AMS		3.7 % V/V	3W					
15 CANOPY	75	0.188 LB A/A	PRE	88	0	96	99	0
15 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	3W					
15 AMS		3.7 % V/V	3W					
LSD (P=.05)				8.5	7.3	4.3	1.7	8.9
Standard Deviation				5.9	5.1	3.0	1.2	6.3
CV				9.27	39.28	3.43	1.28	78.96
Grand Mean				63.95	13.0	88.53	91.77	7.92
Replicate F				5.063	0.384	1.725	0.792	5.241
Replicate Prob(F)				0.0044	0.7654	0.1765	0.5051	0.0037
Treatment F				187.482	34.205	264.433	1877.619	5.525
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE II

Trial ID: S6016
Location: LEXINGTON, KY

Protocol ID: GIANT RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Date		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK
Plant-Eval Interval		
ARM Action Codes	P	P
Number of Decimals	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	6	7
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	99	99
1	AMS		3.7	% V/V	5W		
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3W		
1	AMS		3.7	% V/V	+3W		
2	FIRSTRATE	84	0.026	LB A/A	PRE	99	99
2	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W		
2	AMS		3.7	% V/V	5W		
3	SCEPTER	70	0.1225	LB A/A	PRE	99	99
3	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W		
3	AMS		3.7	% V/V	5W		
4	FIRSTRATE	84	0.026	LB A/A	PRE	81	97
4	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
4	FLEXSTAR	1.88	0.176	LB A/A	3W		
4	AMS		3.7	% V/V	3W		
5	FIRSTRATE	84	0.021	LB A/A	PRE	83	93
5	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
5	AMS		3.7	% V/V	3W		
6	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	91	97
6	FLEXSTAR	1.88	0.294	LB A/A	3W		
6	AMS		3.7	% V/V	3W		
7	SCEPTER	70	0.1225	LB A/A	PRE	96	99
7	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
7	FLEXSTAR	1.88	0.294	LB A/A	3W		
7	AMS		3.7	% V/V	3W		
8	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	93	97
8	RAPTOR	1	0.031	LB A/A	3W		
8	AMS		3.7	% V/V	3W		
9	FIRSTRATE	84	0.026	LB A/A	PRE	89	81
9	FLEXSTAR	1.88	0.294	LB AE/A	3W		
9	FUSION	2.66	0.2	LB A/A	3W		
9	ACTIVATOR 90		0.5	% V/V	3W		
10	SCEPTER	70	0.1225	LB A/A	PRE	97	97
10	FLEXSTAR	1.88	0.294	LB AE/A	3W		
10	FUSION	2.66	0.2	LB A/A	3W		
10	ACTIVATOR 90		0.5	% V/V	3W		
11	FIRSTRATE	84	0.026	LB A/A	PRE	96	99
11	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
11	COBRA	2	0.19	LB AE/A	3W		
11	HARMONY GT	50	0.003	LB A/A	3W		
11	AMS		3.7	% V/V	3W		
12	SCEPTER	70	0.1225	LB A/A	PRE	99	99
12	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
12	COBRA	2	0.19	LB AE/A	3W		
12	AMS		3.7	% V/V	3W		

Plant and Soil Science, U of KY
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SOYBEAN POSTEMERGENCE II

Trial ID: S6016
Location: LEXINGTON, KYProtocol ID: GIANT RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Date		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK
Plant-Eval Interval		
ARM Action Codes	P	P
Number of Decimals	0	0

Trt Treatment	Form	Rate	Growth		
No. Name	Conc	Rate	Unit	Stage	
13 CHECK UNTREATED					0
14 INTRRO	4	2 LB	A/A	PRE	84
14 SENCOR	75	8 OZ/A		PRE	98
14 ROUNDUP ORIGINAL MAX	4.5	0.75 LB	AE/A	3W	
14 AMS		3.7 %	V/V	3W	
15 CANOPY	75	0.188 LB	A/A	PRE	91
15 ROUNDUP ORIGINAL MAX	4.5	0.75 LB	AE/A	3W	
15 AMS		3.7 %	V/V	3W	
LSD (P=.05)					5.0
Standard Deviation					3.5
CV					4.06
Grand Mean					86.32
Replicate F					2.455
Replicate Prob(F)					0.0763
Treatment F					198.011
Treatment Prob(F)					0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE II

Trial ID: S6016
Location: LEXINGTON, KYProtocol ID: GIANT RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed

Pest 2 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 33 FT
Replications: 4 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C	D
Application Date:	5-9-06	6-7-06	6-14-06	7-6-06
Time of Day:	10 AM	11 AM	2 PM	11 AM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3W	5W	+3W
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	67 F	73 F	77 F	72 F
% Relative Humidity:	70	55	45	48
Wind Velocity, Unit:	6 MPH	6 MPH	6 MPH	6 MPH
Wind Direction:	SSW	SW	N	ENE
Soil Temperature, Unit:	65 F	80 F	80 F	85 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	80	0	10

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:	2 TR	3 TR	5 TR	

SOYBEAN POSTEMERGENCE II

Trial ID: S6016
Location: LEXINGTON, KY

Protocol ID: GIANT RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Height, Unit:	3	IN 5	IN 2	IN
Pest 2 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W	CHEAL W
Height, Unit:	3	IN 4	IN 2	IN

Application Equipment

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

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S6017
Location: LEXINGTON, KY

Protocol ID: SOYBEAN LIBERTY
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	GLXMA			GLXMA
BBCH Scale	BSOY			BSOY
Crop Name	Soybean			Soybean
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
Plant-Eval Interval	P	P	P	P P
ARM Action Codes	0	0	0	0 0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
1	CHECK UNTREATED					0	0	0	0	0
2	AE F039866	2.33	22	OZ/A	EP	0	99	96	50	0
2	AMS	100	1.5	LB A/A	EP					
3	AE F039866	2.33	22	OZ/A	MP	0	98	96	95	0
3	AMS	100	1.5	LB A/A	MP					
4	AE F039866	2.33	22	OZ/A	EP	0	99	98	99	0
4	AMS	100	1.5	LB A/A	EP					
4	AE F039866	2.33	22	OZ/A	MP					
4	AMS	100	1.5	LB A/A	MP					
5	SENCOR	75	8	OZ/A	PRE	0	99	96	99	0
5	AE F039866	2.33	22	OZ/A	MP					
5	AMS	100	1.5	LB A/A	MP					
6	PROWL H20	3.8	2	PT/A	PRE	0	99	93	99	0
6	AE F039866	2.33	22	OZ/A	MP					
6	AMS	100	1.5	LB A/A	MP					
7	CANOPY	75	3	OZ/A	PRE	0	99	95	99	0
7	AE F039866	2.33	22	OZ/A	MP					
7	AMS	100	1.5	LB A/A	MP					
8	AE F039866	2.33	22	OZ/A	MP	0	99	96	96	0
8	HARMONY GT	50	0.0833	OZ/A	MP					
8	AMS	100	1.5	LB A/A	MP					
LSD (P=.05)						0.0	1.4	5.7	4.5	0.0
Standard Deviation						0.0	0.8	3.3	2.6	0.0
CV						0.0	0.94	3.89	3.23	0.0
Grand Mean						0.0	86.46	83.79	79.58	0.0
Replicate F						0.000	1.000	2.433	0.158	0.000
Replicate Prob(F)						1.0000	0.3927	0.1239	0.8558	1.0000
Treatment F						0.000	5492.849	324.815	597.109	0.000
Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S6017
Location: LEXINGTON, KY

Protocol ID: SOYBEAN LIBERTY
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	SETFA
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	Giant foxtail
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Name				Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
Plant-Eval Interval	P	P	P	P
ARM Action Codes	0	0	0	0

Trt	Treatment	Form	Rate	Growth	6	7	8	9	10
No.	Name	Conc	Rate	Unit	Stage				
1	CHECK UNTREATED					0	0	0	0
2	AE F039866	2.33	22	OZ/A	EP	99	78	30	0
2	AMS	100	1.5	LB	A/A EP				99
3	AE F039866	2.33	22	OZ/A	MP	98	80	93	0
3	AMS	100	1.5	LB	A/A MP				98
4	AE F039866	2.33	22	OZ/A	EP	99	83	99	0
4	AMS	100	1.5	LB	A/A EP				99
4	AE F039866	2.33	22	OZ/A	MP				
4	AMS	100	1.5	LB	A/A MP				
5	SENCOR	75	8	OZ/A	PRE	99	87	99	0
5	AE F039866	2.33	22	OZ/A	MP				
5	AMS	100	1.5	LB	A/A MP				99
6	PROWL H20	3.8	2	PT/A	PRE	99	78	99	0
6	AE F039866	2.33	22	OZ/A	MP				
6	AMS	100	1.5	LB	A/A MP				99
7	CANOPY	75	3	OZ/A	PRE	99	80	99	0
7	AE F039866	2.33	22	OZ/A	MP				
7	AMS	100	1.5	LB	A/A MP				99
8	AE F039866	2.33	22	OZ/A	MP	99	82	96	0
8	HARMONY GT	50	0.0833	OZ/A	MP				
8	AMS	100	1.5	LB	A/A MP				99
LSD (P=.05)					1.4	10.1	4.9	0.0	1.4
Standard Deviation					0.8	5.8	2.8	0.0	0.8
CV					0.94	8.16	3.61	0.0	0.94
Grand Mean					86.46	70.96	76.88	0.0	86.46
Replicate F					1.000	2.095	0.000	0.000	1.000
Replicate Prob(F)					0.3927	0.1600	1.0000	1.0000	0.3927
Treatment F					5492.849	74.276	593.938	0.000	5492.849
Treatment Prob(F)					0.0001	0.0001	0.0001	1.0000	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S6017
Location: LEXINGTON, KYProtocol ID: SOYBEAN LIBERTY
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK
Plant-Eval Interval	P	P
ARM Action Codes	0	0

Trt No.	Treatment Name	Form Conc	Rate Rate	Growth Unit	Stage	11	12
1	CHECK UNTREATED					0	0
2	AE F039866	2.33	22 OZ/A	EP		67	27
2	AMS	100	1.5 LB A/A	EP			
3	AE F039866	2.33	22 OZ/A	MP		73	90
3	AMS	100	1.5 LB A/A	MP			
4	AE F039866	2.33	22 OZ/A	EP		75	99
4	AMS	100	1.5 LB A/A	EP			
4	AE F039866	2.33	22 OZ/A	MP			
4	AMS	100	1.5 LB A/A	MP			
5	SENCOR	75	8 OZ/A	PRE		81	99
5	AE F039866	2.33	22 OZ/A	MP			
5	AMS	100	1.5 LB A/A	MP			
6	PROWL H20	3.8	2 PT/A	PRE		67	99
6	AE F039866	2.33	22 OZ/A	MP			
6	AMS	100	1.5 LB A/A	MP			
7	CANOPY	75	3 OZ/A	PRE		72	99
7	AE F039866	2.33	22 OZ/A	MP			
7	AMS	100	1.5 LB A/A	MP			
8	AE F039866	2.33	22 OZ/A	MP		74	96
8	HARMONY GT	50	0.0833 OZ/A	MP			
8	AMS	100	1.5 LB A/A	MP			
LSD (P=.05)						15.3	7.7
Standard Deviation						8.8	4.4
CV						13.77	5.75
Grand Mean						63.58	76.04
Replicate F						6.008	0.871
Replicate Prob(F)						0.0131	0.4402
Treatment F						26.663	244.311
Treatment Prob(F)						0.0001	0.0001

SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S6017
Location: LEXINGTON, KY

Protocol ID: SOYBEAN LIBERTY
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: LIBERTY LINK L37335L
BBCH Scale: BSOY **Planting Date:** 5-9-06
Planting Method: ROWS **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Seed Bed: MEDIUM
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
 Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
 Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
 Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C
Application Date:	5-9-06	5-31-06	6-5-06
Time of Day:	10 AM	11 AM	11 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	65 F	85 F	73 F
% Relative Humidity:	70	53	
Wind Velocity, Unit:	6 MPH	5 MPH	6 MPH
Wind Direction:	SSW	E	44
Soil Temperature, Unit:	67 F	80 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0	0

Plant and Soil Science, U of KY
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SOYBEAN POSTEMERGENCE LIBERTY

Trial ID: S6017
Location: LEXINGTON, KYProtocol ID: SOYBEAN LIBERTY
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Crop Stage At Each Application**

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA
Stage Scale Used:	2TR		3TR

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SETFA	W SETFA	W SETFA
Height, Unit:	2	IN 4	IN
Pest 2 Code, Disc., Scale:	AMBTR	W AMBTR	W AMBTR
Height, Unit:	3	IN 5	IN
Pest 3 Code, Disc., Scale:	CHEAL	W CHEAL	W CHEAL
Height, Unit:	1.5	IN 3	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

Plant and Soil Science, U of KY
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NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S6018
Location: LEXINGTON, KY

Protocol ID: S6018
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	
Pest Code		SETFA	AMBTR	CHEAL	
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code	GLXMA				GLXMA
BBCH Scale	BSOY				BSOY
Crop Name	Soybean				Soybean
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
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Rate	Growth						
No.	Name	Conc	Rate	Unit	Stage	1	2	3	4	5
1	CANOPY EX	29.5	1.1	OZ/A	1WK	0	92	99	99	0
1	WEEDONE LV4	3.8	0.5	LB A/A	1WK					
1	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
1	AMS		3.6	% V/V	LP					
2	CANOPY EX	29.5	1.65	OZ/A	1 WK	30	96	99	99	0
2	WEEDONE LV4	3.8	0.5	LB A/A	1WK					
2	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
2	AMS		3.6	% V/V	LP					
3	CANOPY EX	29.5	2.2	OZ/A	1 WK	0	90	99	99	0
3	WEEDONE LV4	3.8	0.5	LB A/A	1WK					
3	ROUNDUP ULTRAMAX	5	22	OZ/A	LP					
3	AMS		3.6	% V/V	LP					
4	CANOPY	75	2.25	OZ/A	1WK	0	93	99	99	0
4	WEEDONE LV4	3.8	0.5	LB A/A	1WK					
4	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
4	AMS		3.6	% V/V	LP					
5	CANOPY	75	3.5	OZ/A	1WK	0	96	99	99	0
5	WEEDONE LV4	3.8	0.5	LB A/A	1WK					
5	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
5	AMS		3.6	% V/V	LP					
6	WEEDONE LV4	3.8	0.5	LB A/A	1WK	0	88	99	99	0
6	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
6	AMS		3.6	% V/V	LP					
7	CHECK UNTREATED					0	33	33	33	0
LSD (P=.05)						34.9	39.9	38.4	38.4	0.0
Standard Deviation						19.6	22.4	21.6	21.6	0.0
CV						458.26	26.7	24.12	24.12	0.0
Grand Mean						4.29	83.95	89.57	89.57	0.0
Replicate F						1.000	0.655	1.000	1.000	0.000
Replicate Prob(F)						0.3966	0.5368	0.3966	0.3966	1.0000
Treatment F						1.000	3.069	4.000	4.000	0.000
Treatment Prob(F)						0.4682	0.0465	0.0197	0.0197	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S6018
Location: LEXINGTON, KY

Protocol ID: S6018
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	SETFA
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	Giant foxtail
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Name				Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth	6	7	8	9	10	
No. Name	Conc	Rate	Unit	Stage					
1 CANOPY EX	29.5	1.1	OZ/A	1WK	99	99	99	0	99
1 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
1 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
1 AMS		3.6	% V/V	LP					
2 CANOPY EX	29.5	1.65	OZ/A	1 WK	99	99	99	0	99
2 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
2 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
2 AMS		3.6	% V/V	LP					
3 CANOPY EX	29.5	2.2	OZ/A	1 WK	99	99	99	0	99
3 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
3 ROUNDUP ULTRAMAX	5	22	OZ/A	LP					
3 AMS		3.6	% V/V	LP					
4 CANOPY	75	2.25	OZ/A	1WK	98	99	99	0	98
4 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
4 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
4 AMS		3.6	% V/V	LP					
5 CANOPY	75	3.5	OZ/A	1WK	99	99	99	0	99
5 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
5 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
5 AMS		3.6	% V/V	LP					
6 WEEDONE LV4	3.8	0.5	LB A/A	1WK	99	99	99	0	99
6 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
6 AMS		3.6	% V/V	LP					
7 CHECK UNTREATED					0	0	0	0	0
LSD (P=.05)					1.6	0.0	0.0	0.0	1.6
Standard Deviation					0.9	0.0	0.0	0.0	0.9
CV					1.03	0.0	0.0	0.0	1.03
Grand Mean					84.67	84.86	84.86	0.0	84.67
Replicate F					1.000	0.000	0.000	0.000	1.000
Replicate Prob(F)					0.3966	1.0000	1.0000	1.0000	0.3966
Treatment F					5489.313	0.000	0.000	0.000	5489.313
Treatment Prob(F)					0.0001	1.0000	1.0000	1.0000	0.0001

Plant and Soil Science, U of KY
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NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S6018
Location: LEXINGTON, KYProtocol ID: S6018
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt	Treatment	Form	Rate	Growth			
No.	Name	Conc	Rate	Unit	Stage	11	12
1	CANOPY EX	29.5	1.1	OZ/A	1WK	96	99
1	WEEDONE LV4	3.8	0.5	LB A/A	1WK		
1	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP		
1	AMS		3.6	% V/V	LP		
2	CANOPY EX	29.5	1.65	OZ/A	1 WK	99	99
2	WEEDONE LV4	3.8	0.5	LB A/A	1WK		
2	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP		
2	AMS		3.6	% V/V	LP		
3	CANOPY EX	29.5	2.2	OZ/A	1 WK	99	99
3	WEEDONE LV4	3.8	0.5	LB A/A	1WK		
3	ROUNDUP ULTRAMAX	5	22	OZ/A	LP		
3	AMS		3.6	% V/V	LP		
4	CANOPY	75	2.25	OZ/A	1WK	98	99
4	WEEDONE LV4	3.8	0.5	LB A/A	1WK		
4	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP		
4	AMS		3.6	% V/V	LP		
5	CANOPY	75	3.5	OZ/A	1WK	98	99
5	WEEDONE LV4	3.8	0.5	LB A/A	1WK		
5	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP		
5	AMS		3.6	% V/V	LP		
6	WEEDONE LV4	3.8	0.5	LB A/A	1WK	99	99
6	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP		
6	AMS		3.6	% V/V	LP		
7	CHECK UNTREATED					0	0
LSD (P=.05)						4.2	0.0
Standard Deviation						2.4	0.0
CV						2.84	0.0
Grand Mean						84.05	84.86
Replicate F						0.610	0.000
Replicate Prob(F)						0.5594	1.0000
Treatment F						723.758	0.000
Treatment Prob(F)						0.0001	1.0000

Plant and Soil Science, U of KY
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NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S6018
Location: LEXINGTON, KYProtocol ID: S6018
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Temperature, Unit: 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B
Application Date:	4-26-06	6-6-06
Time of Day:	3:30 PM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	1WK	LP
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	59 F	78 F
% Relative Humidity:	63	38
Wind Velocity, Unit:	3 MPH	4 MPH
Wind Direction:	NE	SW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	70 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	50	10

Plant and Soil Science, U of KY
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NO-TILL SOYBEAN EARLY PREPLANT

Trial ID: S6018
Location: LEXINGTON, KY

Protocol ID: S6018
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Crop Stage At Each Application

A B

Crop 1 Code, BBCH Scale: GLXMA BSOY GLXMA BSOY
Stage Scale Used: 4TR

Pest Stage At Each Application

A B

Pest 1 Code, Disc., Scale: SETFA W SETFA W
Height, Unit: 6 IN
Pest 2 Code, Disc., Scale: AMBTR W AMBTR W
Height, Unit: 10 IN
Pest 3 Code, Disc., Scale: CHEAL W CHEAL W

Application Equipment

A

B

Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
Nozzle Type:	FLAT FAN		FLAT FAN	
Nozzle Size:	8004 DG		8004 DG	
Nozzle Spacing, Unit:	20	IN	20	IN
Boom Length, Unit:	6.66	FT	10	FT
Boom Height, Unit:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KY

Protocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	1	2	3	4	5
10	CANOPY EX	29.5	1.9	OZ/A	2WK	0	96	99	66	0
10	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
10	COC		1	QT/A	2WK					
10	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
10	AMS		3.7	% V/V	LP					
11	CANOPY	75	4	OZ/A	2WK	0	99	99	99	0
11	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
11	COC		1	QT/A	2WK					
11	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
11	AMS		3.7	% V/V	LP					
12	PREVIEW	75	6.6	OZ/A	2WK	0	99	99	99	0
12	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
12	COC		1	QT/A	2WK					
12	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
12	AMS		3.7	% V/V	LP					
13	LOROX PLUS	60	13.9	OZ/A	2WK	0	99	96	99	0
13	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
13	COC		1	QT/A	2WK					
13	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
13	AMS		3.7	% V/V	LP					
14	CANOPY XL	56.3	4.5	OZ/A	2WK	0	98	98	99	0
14	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
14	COC		1	QT/A	2WK					
14	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
14	AMS		3.7	% V/V	LP					
15	CLASSIC	25	1.7	OZ/A	2WK	0	99	99	99	0
15	VALOR SX	51	2.5	OZ/A	2WK					
15	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
15	COC		1	QT/A	2WK					
15	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
15	AMS		3.7	% V/V	LP					
16	SYNCHRONY XP	28.4	2	OZ/A	2WK	0	99	99	99	0
16	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
16	COC		1	QT/A	2WK					
16	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
16	AMS		3.7	% V/V	LP					
17	LINEX	4	1	PT/A	2WK	0	96	82	99	0
17	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
17	COC		1	QT/A	2WK					
17	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
17	AMS		3.7	% V/V	LP					
18	LINEX	4	1.5	PT/A	2WK	0	99	88	99	0
18	WEEDONE LV4	3.8	0.5	LB A/A	2WK					
18	COC		1	QT/A	2WK					
18	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP					
18	AMS		3.7	% V/V	LP					

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KY

Protocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL					
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common					
Crop Code	GLXMA					GLXMA		
BBCH Scale	BSOY					BSOY		
Crop Name	Soybean					Soybean		
Rating Data Type	INJURY	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		
Plant-Eval Interval						BEFORE POST		
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Form	Rate	Growth	1	2	3	4	5
No. Name	Conc	Rate	Stage					
19 SENCOR	75	6 OZ A/A	2WK	0	99	88	99	0
19 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
19 COC		1 QT/A	2WK					
19 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
19 AMS		3.7 % V/V	LP					
20 EXTREME	2.17	3 PT/A	2WK	0	98	99	99	0
20 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
20 ACTIVATOR 90		0.25 % V/V	2WK					
20 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
20 AMS		3.7 % V/V	LP					
21 CHECK UNTREATED				0	0	0	0	0
LSD (P=.05)				0.0	3.5	4.0	20.6	0.0
Standard Deviation				0.0	2.1	2.4	12.5	0.0
CV				0.0	2.25	2.66	13.45	0.0
Grand Mean				0.0	93.41	90.49	92.71	0.0
Replicate F				0.000	0.231	1.040	1.000	0.000
Replicate Prob(F)				1.0000	0.7949	0.3627	0.3769	1.0000
Treatment F				0.000	313.844	234.797	9.700	0.000
Treatment Prob(F)				1.0000	0.0001	0.0001	0.0001	1.0000

Plant and Soil Science, U of KY
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NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
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Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL					
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common							
Crop Code								GLXMA
BBCH Scale								BSOY
Crop Name								Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL					INJURY
Rating Unit	PERCENT	PERCENT	PERCENT					PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK					4 WEEK
Plant-Eval Interval	BEFORE POST	BEFORE POST	BEFORE POST					AFTER POST
ARM Action Codes	P	P	P					P
Number of Decimals	0	0	0					0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	6	7	8	9
1 SYNCHRONY XP	28.4	1.125	OZ/A	2WK	91	92		99
1 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
1 COC		1	QT/A	2WK				
1 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
1 AMS		3.7	% V/V	LP				
2 CANOPY EX	29.5	1.1	OZ/A	2WK	86	88		99
2 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
2 COC		1	QT/A	2WK				
2 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
2 AMS		3.7	% V/V	LP				
3 CANOPY	75	2.2	OZ/A	2WK	95	84		99
3 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
3 COC		1	QT/A	2WK				
3 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
3 AMS		3.7	% V/V	LP				
4 PREVIEW	75	3.7	OZ/A	2WK	98	91		99
4 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
4 COC		1	QT/A	2WK				
4 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
4 AMS		3.7	% V/V	LP				
5 LOROX PLUS	60	8	OZ/A	2WK	99	85		99
5 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
5 COC		1	QT/A	2WK				
5 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
5 AMS		3.7	% V/V	LP				
6 CANOPY XL	56.3	2.5	OZ/A	2WK	99	88		99
6 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
6 COC		1	QT/A	2WK				
6 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
6 AMS		3.7	% V/V	LP				
7 CLASSIC	25	1	OZ/A	2WK	99	96		99
7 VALOR SX	51	1.5	OZ/A	2WK				0
7 WEEDONE LV4	3.8	0.5	LB A/A	2WK				
7 COC		1	QT/A	2WK				
7 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
7 AMS		3.7	% V/V	LP				
8 SYNCHRONY XP	28.4	1.125	OZ/A	2WK	99	96		99
8 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
8 COC		1	QT/A	2WK				
8 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
8 AMS		3.7	% V/V	LP				
9 SYNCHRONY XP	28.4	2	OZ/A	2WK	98	93		99
9 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
9 COC		1	QT/A	2WK				
9 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
9 AMS		3.7	% V/V	LP				

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KY

Protocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL					
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common							
Crop Code								GLXMA
BBCH Scale								BSOY
Crop Name								Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL					INJURY
Rating Unit	PERCENT	PERCENT	PERCENT					PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK					4 WEEK
Plant-Eval Interval	BEFORE POST	BEFORE POST	BEFORE POST					AFTER POST
ARM Action Codes	P	P	P					P
Number of Decimals	0	0	0					0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage	6	7	8	9
10 CANOPY EX	29.5	1.9	OZ/A	2WK	93	99		99
10 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
10 COC		1	QT/A	2WK				
10 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
10 AMS		3.7	% V/V	LP				
11 CANOPY	75	4	OZ/A	2WK	99	96		99
11 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
11 COC		1	QT/A	2WK				
11 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
11 AMS		3.7	% V/V	LP				
12 PREVIEW	75	6.6	OZ/A	2WK	99	99		99
12 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
12 COC		1	QT/A	2WK				
12 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
12 AMS		3.7	% V/V	LP				
13 LOROX PLUS	60	13.9	OZ/A	2WK	99	95		99
13 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
13 COC		1	QT/A	2WK				
13 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
13 AMS		3.7	% V/V	LP				
14 CANOPY XL	56.3	4.5	OZ/A	2WK	98	96		99
14 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
14 COC		1	QT/A	2WK				
14 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
14 AMS		3.7	% V/V	LP				
15 CLASSIC	25	1.7	OZ/A	2WK	99	99		99
15 VALOR SX	51	2.5	OZ/A	2WK				0
15 WEEDONE LV4	3.8	0.5	LB A/A	2WK				
15 COC		1	QT/A	2WK				
15 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
15 AMS		3.7	% V/V	LP				
16 SYNCHRONY XP	28.4	2	OZ/A	2WK	98	99		99
16 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
16 COC		1	QT/A	2WK				
16 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
16 AMS		3.7	% V/V	LP				
17 LINEX	4	1	PT/A	2WK	95	73		99
17 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
17 COC		1	QT/A	2WK				
17 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
17 AMS		3.7	% V/V	LP				
18 LINEX	4	1.5	PT/A	2WK	99	82		99
18 WEEDONE LV4	3.8	0.5	LB A/A	2WK				0
18 COC		1	QT/A	2WK				
18 ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
18 AMS		3.7	% V/V	LP				

Plant and Soil Science, U of KY
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NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KY

Protocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed				
Pest Code	SETFA	AMBTR	CHEAL				
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common						
Crop Code				GLXMA			
BBCH Scale				BSOY			
Crop Name				Soybean			
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY			
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT			
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	4 WEEK			
Plant-Eval Interval	BEFORE POST	BEFORE POST	BEFORE POST	AFTER POST			
ARM Action Codes	P	P	P	P			
Number of Decimals	0	0	0	0			
Trt Treatment	Form	Rate	Growth				
No. Name	Conc Rate	Unit	Stage				
				6			
				7			
				8			
				9			
19 SENCOR	75	6 OZ A/A	2WK	99	80	99	0
19 WEEDONE LV4	3.8	0.5 LB A/A	2WK				
19 COC		1 QT/A	2WK				
19 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP				
19 AMS		3.7 % V/V	LP				
20 EXTREME	2.17	3 PT/A	2WK	96	98	99	0
20 WEEDONE LV4	3.8	0.5 LB A/A	2WK				
20 ACTIVATOR 90		0.25 % V/V	2WK				
20 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP				
20 AMS		3.7 % V/V	LP				
21 CHECK UNTREATED				0	0	0	0
LSD (P=.05)				7.9	6.9	0.0	0.0
Standard Deviation				4.8	4.2	0.0	0.0
CV				5.2	4.81	0.0	0.0
Grand Mean				92.17	87.14	94.29	0.0
Replicate F				1.066	2.795	0.000	0.000
Replicate Prob(F)				0.3540	0.0731	1.0000	1.0000
Treatment F				59.714	77.117	0.000	0.000
Treatment Prob(F)				0.0001	0.0001	1.0000	1.0000

Plant and Soil Science, U of KY
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NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KY

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

Pest Type	W Weed	W Weed	W Weed	
Pest Code	SETFA	AMBTR	CHEAL	
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Name				Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
Plant-Eval Interval	AFTER POST	AFTER POST	AFTER POST	AFTER POST
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	10	11	12	13
1	SYNCHRONY XP	28.4	1.125	OZ/A	2WK	99	99	99	0
1	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
1	COC		1	QT/A	2WK				
1	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
1	AMS		3.7	% V/V	LP				
2	CANOPY EX	29.5	1.1	OZ/A	2WK	99	99	99	0
2	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
2	COC		1	QT/A	2WK				
2	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
2	AMS		3.7	% V/V	LP				
3	CANOPY	75	2.2	OZ/A	2WK	99	99	99	0
3	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
3	COC		1	QT/A	2WK				
3	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
3	AMS		3.7	% V/V	LP				
4	PREVIEW	75	3.7	OZ/A	2WK	99	99	99	0
4	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
4	COC		1	QT/A	2WK				
4	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
4	AMS		3.7	% V/V	LP				
5	LOROX PLUS	60	8	OZ/A	2WK	99	99	99	0
5	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
5	COC		1	QT/A	2WK				
5	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
5	AMS		3.7	% V/V	LP				
6	CANOPY XL	56.3	2.5	OZ/A	2WK	99	99	99	0
6	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
6	COC		1	QT/A	2WK				
6	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
6	AMS		3.7	% V/V	LP				
7	CLASSIC	25	1	OZ/A	2WK	99	99	99	0
7	VALOR SX	51	1.5	OZ/A	2WK				
7	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
7	COC		1	QT/A	2WK				
7	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
7	AMS		3.7	% V/V	LP				
8	SYNCHRONY XP	28.4	1.125	OZ/A	2WK	99	99	99	0
8	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
8	COC		1	QT/A	2WK				
8	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
8	AMS		3.7	% V/V	LP				
9	SYNCHRONY XP	28.4	2	OZ/A	2WK	99	99	99	0
9	WEEDONE LV4	3.8	0.5	LB A/A	2WK				
9	COC		1	QT/A	2WK				
9	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP				
9	AMS		3.7	% V/V	LP				

Plant and Soil Science, U of KY
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NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
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Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL					
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common							
Crop Code								GLXMA
BBCH Scale								BSOY
Crop Name								Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL					INJURY
Rating Unit	PERCENT	PERCENT	PERCENT					PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK					8 WEEK
Plant-Eval Interval	AFTER POST	AFTER POST	AFTER POST					AFTER POST
ARM Action Codes	P	P	P					P
Number of Decimals	0	0	0					0
Trt Treatment	Form	Rate	Growth					
No. Name	Conc Rate	Unit	Stage	10	11	12	13	
10 CANOPY EX	29.5	1.9 OZ/A	2WK	99	99		99	0
10 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
10 COC		1 QT/A	2WK					
10 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
10 AMS		3.7 % V/V	LP					
11 CANOPY	75	4 OZ/A	2WK	99	99		99	0
11 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
11 COC		1 QT/A	2WK					
11 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
11 AMS		3.7 % V/V	LP					
12 PREVIEW	75	6.6 OZ/A	2WK	99	99		99	0
12 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
12 COC		1 QT/A	2WK					
12 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
12 AMS		3.7 % V/V	LP					
13 LOROX PLUS	60	13.9 OZ/A	2WK	99	99		99	0
13 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
13 COC		1 QT/A	2WK					
13 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
13 AMS		3.7 % V/V	LP					
14 CANOPY XL	56.3	4.5 OZ/A	2WK	99	99		99	0
14 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
14 COC		1 QT/A	2WK					
14 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
14 AMS		3.7 % V/V	LP					
15 CLASSIC	25	1.7 OZ/A	2WK	99	99		99	0
15 VALOR SX	51	2.5 OZ/A	2WK					
15 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
15 COC		1 QT/A	2WK					
15 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
15 AMS		3.7 % V/V	LP					
16 SYNCHRONY XP	28.4	2 OZ/A	2WK	99	99		99	0
16 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
16 COC		1 QT/A	2WK					
16 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
16 AMS		3.7 % V/V	LP					
17 LINEX	4	1 PT/A	2WK	99	99		99	0
17 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
17 COC		1 QT/A	2WK					
17 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
17 AMS		3.7 % V/V	LP					
18 LINEX	4	1.5 PT/A	2WK	99	99		99	0
18 WEEDONE LV4	3.8	0.5 LB A/A	2WK					
18 COC		1 QT/A	2WK					
18 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP					
18 AMS		3.7 % V/V	LP					

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Pest Type	W Weed	W Weed	W Weed	
Pest Code	SETFA	AMBTR	CHEAL	
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common			
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Name				Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
Plant-Eval Interval	AFTER POST	AFTER POST	AFTER POST	AFTER POST
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Form	Rate	Growth	
No. Name	Conc Rate	Unit	Stage	10 11 12 13
19 SENCOR	75	6 OZ	A/A 2WK	99 99 99 0
19 WEEDONE LV4	3.8	0.5 LB	A/A 2WK	
19 COC		1 QT/A	2WK	
19 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP	
19 AMS		3.7 %	V/V LP	
20 EXTREME	2.17	3 PT/A	2WK	99 99 99 0
20 WEEDONE LV4	3.8	0.5 LB	A/A 2WK	
20 ACTIVATOR 90		0.25 %	V/V 2WK	
20 ROUNDUP WeatherMAX	5.5	22 OZ/A	LP	
20 AMS		3.7 %	V/V LP	
21 CHECK UNTREATED				0 0 0 0
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
Grand Mean				94.29 94.29 94.29 0.0
Replicate F				0.000 0.000 0.000 0.000
Replicate Prob(F)				1.0000 1.0000 1.0000 1.0000
Treatment F				0.000 0.000 0.000 0.000
Treatment Prob(F)				1.0000 1.0000 1.0000 1.0000

Plant and Soil Science, U of KY
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NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KY

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Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common		
Crop Code			
BBCH Scale			
Crop Name			
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
Plant-Eval Interval	AFTER POST	AFTER POST	AFTER POST
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	14	15	16
1	SYNCHRONY XP	28.4	1.125	OZ/A	2WK	99	98	99
1	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
1	COC		1	QT/A	2WK			
1	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
1	AMS		3.7	% V/V	LP			
2	CANOPY EX	29.5	1.1	OZ/A	2WK	99	99	99
2	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
2	COC		1	QT/A	2WK			
2	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
2	AMS		3.7	% V/V	LP			
3	CANOPY	75	2.2	OZ/A	2WK	99	99	99
3	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
3	COC		1	QT/A	2WK			
3	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
3	AMS		3.7	% V/V	LP			
4	PREVIEW	75	3.7	OZ/A	2WK	99	99	99
4	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
4	COC		1	QT/A	2WK			
4	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
4	AMS		3.7	% V/V	LP			
5	LOROX PLUS	60	8	OZ/A	2WK	99	99	99
5	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
5	COC		1	QT/A	2WK			
5	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
5	AMS		3.7	% V/V	LP			
6	CANOPY XL	56.3	2.5	OZ/A	2WK	99	99	99
6	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
6	COC		1	QT/A	2WK			
6	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
6	AMS		3.7	% V/V	LP			
7	CLASSIC	25	1	OZ/A	2WK	99	99	99
7	VALOR SX	51	1.5	OZ/A	2WK			
7	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
7	COC		1	QT/A	2WK			
7	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
7	AMS		3.7	% V/V	LP			
8	SYNCHRONY XP	28.4	1.125	OZ/A	2WK	99	99	99
8	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
8	COC		1	QT/A	2WK			
8	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
8	AMS		3.7	% V/V	LP			
9	SYNCHRONY XP	28.4	2	OZ/A	2WK	99	99	99
9	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
9	COC		1	QT/A	2WK			
9	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
9	AMS		3.7	% V/V	LP			

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KYProtocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code			
BBCH Scale			
Crop Name			
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
Plant-Eval Interval	AFTER POST	AFTER POST	AFTER POST
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Rate	Unit	Growth Stage	14	15	16
10	CANOPY EX	29.5	1.9	OZ/A	2WK	99	99	99
10	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
10	COC		1	QT/A	2WK			
10	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
10	AMS		3.7	% V/V	LP			
11	CANOPY	75	4	OZ/A	2WK	99	99	99
11	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
11	COC		1	QT/A	2WK			
11	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
11	AMS		3.7	% V/V	LP			
12	PREVIEW	75	6.6	OZ/A	2WK	99	99	99
12	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
12	COC		1	QT/A	2WK			
12	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
12	AMS		3.7	% V/V	LP			
13	LOROX PLUS	60	13.9	OZ/A	2WK	99	99	99
13	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
13	COC		1	QT/A	2WK			
13	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
13	AMS		3.7	% V/V	LP			
14	CANOPY XL	56.3	4.5	OZ/A	2WK	99	99	99
14	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
14	COC		1	QT/A	2WK			
14	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
14	AMS		3.7	% V/V	LP			
15	CLASSIC	25	1.7	OZ/A	2WK	99	99	99
15	VALOR SX	51	2.5	OZ/A	2WK			
15	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
15	COC		1	QT/A	2WK			
15	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
15	AMS		3.7	% V/V	LP			
16	SYNCHRONY XP	28.4	2	OZ/A	2WK	99	99	99
16	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
16	COC		1	QT/A	2WK			
16	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
16	AMS		3.7	% V/V	LP			
17	LINEX	4	1	PT/A	2WK	99	96	99
17	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
17	COC		1	QT/A	2WK			
17	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
17	AMS		3.7	% V/V	LP			
18	LINEX	4	1.5	PT/A	2WK	99	98	99
18	WEEDONE LV4	3.8	0.5	LB A/A	2WK			
18	COC		1	QT/A	2WK			
18	ROUNDUP WeatherMAX	5.5	22	OZ/A	LP			
18	AMS		3.7	% V/V	LP			

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KYProtocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code			
BBCH Scale			
Crop Name			
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK	8 WEEK
Plant-Eval Interval	AFTER POST	AFTER POST	AFTER POST
ARM Action Codes	P	P	P
Number of Decimals	0	0	0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Unit	Stage	14	15	16
19 SENCOR	75	6 OZ	A/A	2WK			
19 WEEDONE LV4	3.8	0.5 LB	A/A	2WK	99	98	99
19 COC		1 QT/A		2WK			
19 ROUNDUP WeatherMAX	5.5	22 OZ/A		LP			
19 AMS		3.7 %	V/V	LP			
20 EXTREME	2.17	3 PT/A		2WK	99	99	99
20 WEEDONE LV4	3.8	0.5 LB	A/A	2WK			
20 ACTIVATOR 90		0.25 %	V/V	2WK			
20 ROUNDUP WeatherMAX	5.5	22 OZ/A		LP			
20 AMS		3.7 %	V/V	LP			
21 CHECK UNTREATED					0	0	0
LSD (P=.05)					0.0	2.2	0.0
Standard Deviation					0.0	1.3	0.0
CV					0.0	1.43	0.0
Grand Mean					94.29	93.95	94.29
Replicate F					0.000	3.889	0.000
Replicate Prob(F)					1.0000	0.0286	1.0000
Treatment F					0.000	773.357	0.000
Treatment Prob(F)					1.0000	0.0001	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KYProtocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Temperature, Unit: 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 6.66 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B
Application Date:	4-19-06	6-6-06
Time of Day:	1 PM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	2WK	LP
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	70 F	78 F
% Relative Humidity:	30	38
Wind Velocity, Unit:	2 MPH	4 MPH
Wind Direction:	SW	SW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	68	75 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	0	10

Plant and Soil Science, U of KY
Weed Science Research

NO-TILL SOYEAN EARLY PREPLANT II

Trial ID: S6019
Location: LEXINGTON, KYProtocol ID: S6019
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Crop Stage At Each Application**

A B

Crop 1 Code, BBCH Scale: GLXMA BSOY GLXMA BSOY
Stage Scale Used: 3TR**Pest Stage At Each Application**

A B

Pest 1 Code, Disc., Scale: SETFA W SETFA W
Height, Unit: 4 IN
Pest 2 Code, Disc., Scale: AMBTR W AMBTR W
Height, Unit: 8 IN
Pest 3 Code, Disc., Scale: CHEAL W CHEAL W
Height, Unit: 4 IN**Application Equipment**

A B

Appl. Equipment:	ATV		ATV	
Operating Pressure, Unit:	30	PSI	30	PSI
Nozzle Type:	FLAT FAN		FLAT FAN	
Nozzle Size:	8004 DG		8004 DG	
Nozzle Spacing, Unit:	20	IN	20	IN
Boom Length, Unit:	6.66	FT	10	FT
Boom Height, Unit:	19	IN	19	IN
Ground Speed, Unit:	4	MPH	4	MPH
Carrier:	WATER		WATER	
Spray Volume, Unit:	24	GPA	24	GPA
Propellant:	CO2		CO2	

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed		
Pest Code	SETFA	AMBTR	CHEAL		
Pest Name	Giant foxtail Giant Ragweed Lambsquarters, common				
Crop Code	GLXMA				GLXMA
BBCH Scale	BSOY				BSOY
Crop Name	Soybean				Soybean
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
Number of Decimals	0	0	0	0	0

Trt Treatment	Form	Rate	Rate	Growth	1	2	3	4	5
No. Name	Conc	Rate	Unit	Stage					
1 SPARTAN	4	0.124	LB A/A	2WK	0	99	98	99	0
1 FIRSTRATE	84	0.016	LB A/A	2WK					
1 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK					
1 AMS		3.7	% V/V	2WK					
1 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP					
1 AMS		3.7	% V/V	MP					
2 SPARTAN	4	0.125	LB A/A	2WK	0	99	86	99	0
2 PURSUIT	2	0.0417	LB A/A	2WK					
2 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK					
2 AMS		3.7	% V/V	2WK					
2 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP					
2 AMS		3.7	% V/V	MP					
3 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	0	99	78	99	0
3 AMS		3.7	% V/V	2WK					
3 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP					
3 AMS		3.7	% V/V	MP					
4 AIM	2	0.016	LB A/A	1WK	0	99	96	99	0
4 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
4 AGRIDEX		1	% V/V	1WK					
5 AIM	2	0.016	LB A/A	1WK	0	99	90	99	0
5 WEEDONE LV4	3.8	0.5	LB A/A	1WK					
5 ROUNDUP ORIGINAL MAX	5.5	0.5	LB A/A	1WK					
5 AGRIDEX		1	% V/V	1WK					
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	1WK	0	99	91	99	0
6 AMS		3.7	% V/V	1WK					
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP					
6 AMS		3.7	% V/V	MP					
7 GLYFOS EXTRA	4	1	QT/A	2WK	0	99	75	99	0
7 PURSUIT	2	0.0315	LB A/A	2WK					
7 AMS		3.7	% V/V	2WK					
8 GLYFOS EXTRA	4	1	QT/A	2WK	3	99	83	99	0
8 PURSUIT	2	0.0469	LB A/A	2WK					
8 AMS		3.7	% V/V	2WK					
9 EXTREME	2.17	3	PT/A	2WK	0	99	93	99	0
9 INDUCE		0.125	% V/V	2WK					
9 AMS		3.7	% V/V	2WK					
10 GLYFOS EXTRA	4	1	QT/A	PRE	0	99	99	99	0
10 AMS		3.7	% V/V	PRE					
10 GLYFOS EXTRA	4	1	QT/A	+3WAP					
10 PURSUIT	2	0.0315	LB A/A	+3WAP					
10 AMS		3.7	% V/V	+3WAP					
11 GLYFOS EXTRA	4	1	QT/A	PRE	0	99	98	99	0
11 AMS		3.7	% V/V	PRE					
11 GLYFOS EXTRA	4	1	QT/A	+3WAP					
11 PURSUIT	2	0.0469	LB A/A	+3WAP					
11 AMS		3.7	% V/V	+3WAP					

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed	
Pest Code		SETFA	AMBTR	CHEAL	
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code	GLXMA				GLXMA
BBCH Scale	BSOY				BSOY
Crop Name	Soybean				Soybean
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
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Rate Rate Unit	Growth Stage	1	2	3	4	5
12 GLYFOS EXTRA	4	1 QT/A	PRE	0	99	99	99	0
12 AMS		3.7 % V/V	PRE					
12 EXTREME	2.17	3 PT/A	+3WAP					
12 INDUCE		0.125 % V/V	+3WAP					
12 AMS		3.7 % V/V	+3WAP					
13 PROWL H20	3.8	2.5 PT/A	2WK	0	99	99	99	0
13 EXTREME	2.17	3 PT/A	2WK					
13 INDUCE		0.125 % V/V	2WK					
13 AMS		3.7 % V/V	2WK					
13 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+2WAP					
13 AMS		3.7 % V/V	+2WAP					
13 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP					
13 AMS		3.7 % V/V	+4WAP					
14 PROWL H20	3.8	2.5 PT/A	2WK	0	99	92	99	0
14 EXTREME	2.17	3 PT/A	2WK					
14 INDUCE		0.125 % V/V	2WK					
14 AMS		3.7 % V/V	2WK					
14 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP					
14 AMS		3.7 % V/V	+4WAP					
15 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	2WK	0	99	82	99	0
15 AMS		3.7 % V/V	2WK					
15 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP					
15 AMS		3.7 % V/V	+4WAP					
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	2WK	0	99	96	99	0
16 AMS		3.7 % V/V	2WK					
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+2WAP					
16 AMS		3.7 % V/V	+2WAP					
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP					
16 AMS		3.7 % V/V	+4WAP					
LSD (P=.05)				2.4	0.0	10.6	0.0	0.0
Standard Deviation				1.4	0.0	6.4	0.0	0.0
CV				692.82	0.0	7.02	0.0	0.0
Grand Mean				0.21	99.0	90.96	99.0	0.0
Replicate F				1.000	0.000	3.449	0.000	0.000
Replicate Prob(F)				0.3798	1.0000	0.0449	1.0000	1.0000
Treatment F				1.000	0.000	4.524	0.000	0.000
Treatment Prob(F)				0.4801	1.0000	0.0002	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	
Pest Code	SETFA	AMBTR	CHEAL	
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Name				Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt	Treatment	Form	Rate	Unit	Growth	6	7	8	9
No.	Name	Conc	Rate	Unit	Stage				
1	SPARTAN	4	0.124	LB A/A	2WK	99	99	99	0
1	FIRSTRATE	84	0.016	LB A/A	2WK				
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK				
1	AMS		3.7	% V/V	2WK				
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP				
1	AMS		3.7	% V/V	MP				
2	SPARTAN	4	0.125	LB A/A	2WK	99	94	99	0
2	PURSUIT	2	0.0417	LB A/A	2WK				
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK				
2	AMS		3.7	% V/V	2WK				
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP				
2	AMS		3.7	% V/V	MP				
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	99	99	99	0
3	AMS		3.7	% V/V	2WK				
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP				
3	AMS		3.7	% V/V	MP				
4	AIM	2	0.016	LB A/A	1WK	95	88	86	0
4	WEEDONE LV4	3.8	0.5	LB A/A	1WK				
4	AGRINDEX		1	% V/V	1WK				
5	AIM	2	0.016	LB A/A	1WK	99	82	99	0
5	WEEDONE LV4	3.8	0.5	LB A/A	1WK				
5	ROUNDUP ORIGINAL MAX	5.5	0.5	LB A/A	1WK				
5	AGRINDEX		1	% V/V	1WK				
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	1WK	99	99	99	0
6	AMS		3.7	% V/V	1WK				
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP				
6	AMS		3.7	% V/V	MP				
7	GLYFOS EXTRA	4	1	QT/A	2WK	99	67	99	0
7	PURSUIT	2	0.0315	LB A/A	2WK				
7	AMS		3.7	% V/V	2WK				
8	GLYFOS EXTRA	4	1	QT/A	2WK	99	73	99	0
8	PURSUIT	2	0.0469	LB A/A	2WK				
8	AMS		3.7	% V/V	2WK				
9	EXTREME	2.17	3	PT/A	2WK	99	80	99	0
9	INDUCE		0.125	% V/V	2WK				
9	AMS		3.7	% V/V	2WK				
10	GLYFOS EXTRA	4	1	QT/A	PRE	99	99	99	0
10	AMS		3.7	% V/V	PRE				
10	GLYFOS EXTRA	4	1	QT/A	+3WAP				
10	PURSUIT	2	0.0315	LB A/A	+3WAP				
10	AMS		3.7	% V/V	+3WAP				
11	GLYFOS EXTRA	4	1	QT/A	PRE	99	99	99	0
11	AMS		3.7	% V/V	PRE				
11	GLYFOS EXTRA	4	1	QT/A	+3WAP				
11	PURSUIT	2	0.0469	LB A/A	+3WAP				
11	AMS		3.7	% V/V	+3WAP				

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code			GLXMA
BBCH Scale			BSOY
Crop Name			Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL INJURY
Rating Unit	PERCENT	PERCENT	PERCENT PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK 8 WEEK
ARM Action Codes	P	P	P P
Number of Decimals	0	0	0 0

Trt Treatment No. Name	Form Conc	Rate Rate Unit	Growth Stage	6	7	8	9
12 GLYFOS EXTRA	4	1 QT/A	PRE	99	99	99	0
12 AMS		3.7 % V/V	PRE				
12 EXTREME	2.17	3 PT/A	+3WAP				
12 INDUCE		0.125 % V/V	+3WK				
12 AMS		3.7 % V/V	+3WAP				
13 PROWL H20	3.8	2.5 PT/A	2WK	99	99	99	0
13 EXTREME	2.17	3 PT/A	2WK				
13 INDUCE		0.125 % V/V	2WK				
13 AMS		3.7 % V/V	2WK				
13 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+2WAP				
13 AMS		3.7 % V/V	+2WAP				
13 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP				
13 AMS		3.7 % V/V	+4WAP				
14 PROWL H20	3.8	2.5 PT/A	2WK	99	96	99	0
14 EXTREME	2.17	3 PT/A	2WK				
14 INDUCE		0.125 % V/V	2WK				
14 AMS		3.7 % V/V	2WK				
14 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP				
14 AMS		3.7 % V/V	+4WAP				
15 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	2WK	99	93	99	0
15 AMS		3.7 % V/V	2WK				
15 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP				
15 AMS		3.7 % V/V	+4WAP				
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	2WK	99	99	99	0
16 AMS		3.7 % V/V	2WK				
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+2WAP				
16 AMS		3.7 % V/V	+2WAP				
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP				
16 AMS		3.7 % V/V	+4WAP				
LSD (P=.05)				1.9	10.7	9.6	0.0
Standard Deviation				1.1	6.4	5.8	0.0
CV				1.14	6.99	5.88	0.0
Grand Mean				98.73	91.56	98.17	0.0
Replicate F				1.000	0.139	1.000	0.000
Replicate Prob(F)				0.3798	0.8711	0.3798	1.0000
Treatment F				2.770	8.119	1.000	0.000
Treatment Prob(F)				0.0085	0.0001	0.4801	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form	Rate	Unit	Growth Stage	10	11	12
1	SPARTAN	4	0.124	LB A/A	2WK	99	95	99
1	FIRSTRATE	84	0.016	LB A/A	2WK			
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK			
1	AMS		3.7	% V/V	2WK			
1	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
1	AMS		3.7	% V/V	MP			
2	SPARTAN	4	0.125	LB A/A	2WK	99	89	99
2	PURSUIT	2	0.0417	LB A/A	2WK			
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK			
2	AMS		3.7	% V/V	2WK			
2	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
2	AMS		3.7	% V/V	MP			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	2WK	99	99	99
3	AMS		3.7	% V/V	2WK			
3	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
3	AMS		3.7	% V/V	MP			
4	AIM	2	0.016	LB A/A	1WK	91	81	98
4	WEEDONE LV4	3.8	0.5	LB A/A	1WK			
4	AGRINDEX		1	% V/V	1WK			
5	AIM	2	0.016	LB A/A	1WK	99	65	99
5	WEEDONE LV4	3.8	0.5	LB A/A	1WK			
5	ROUNDUP ORIGINAL MAX	5.5	0.5	LB A/A	1WK			
5	AGRINDEX		1	% V/V	1WK			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	1WK	99	96	99
6	AMS		3.7	% V/V	1WK			
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	MP			
6	AMS		3.7	% V/V	MP			
7	GLYFOS EXTRA	4	1	QT/A	2WK	99	48	99
7	PURSUIT	2	0.0315	LB A/A	2WK			
7	AMS		3.7	% V/V	2WK			
8	GLYFOS EXTRA	4	1	QT/A	2WK	99	55	99
8	PURSUIT	2	0.0469	LB A/A	2WK			
8	AMS		3.7	% V/V	2WK			
9	EXTREME	2.17	3	PT/A	2WK	99	63	99
9	INDUCE		0.125	% V/V	2WK			
9	AMS		3.7	% V/V	2WK			
10	GLYFOS EXTRA	4	1	QT/A	PRE	99	93	99
10	AMS		3.7	% V/V	PRE			
10	GLYFOS EXTRA	4	1	QT/A	+3WAP			
10	PURSUIT	2	0.0315	LB A/A	+3WAP			
10	AMS		3.7	% V/V	+3WAP			
11	GLYFOS EXTRA	4	1	QT/A	PRE	99	99	99
11	AMS		3.7	% V/V	PRE			
11	GLYFOS EXTRA	4	1	QT/A	+3WAP			
11	PURSUIT	2	0.0469	LB A/A	+3WAP			
11	AMS		3.7	% V/V	+3WAP			

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code			
BBCH Scale			
Crop Name			
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
Number of Decimals	0	0	0

Trt Treatment No. Name	Form Conc	Rate Rate Unit	Growth Stage	10	11	12
12 GLYFOS EXTRA	4	1 QT/A	PRE	99	99	99
12 AMS		3.7 % V/V	PRE			
12 EXTREME	2.17	3 PT/A	+3WAP			
12 INDUCE		0.125 % V/V	+3WK			
12 AMS		3.7 % V/V	+3WAP			
13 PROWL H20	3.8	2.5 PT/A	2WK	99	98	99
13 EXTREME	2.17	3 PT/A	2WK			
13 INDUCE		0.125 % V/V	2WK			
13 AMS		3.7 % V/V	2WK			
13 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+2WAP			
13 AMS		3.7 % V/V	+2WAP			
13 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP			
13 AMS		3.7 % V/V	+4WAP			
14 PROWL H20	3.8	2.5 PT/A	2WK	99	95	99
14 EXTREME	2.17	3 PT/A	2WK			
14 INDUCE		0.125 % V/V	2WK			
14 AMS		3.7 % V/V	2WK			
14 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP			
14 AMS		3.7 % V/V	+4WAP			
15 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	2WK	99	96	99
15 AMS		3.7 % V/V	2WK			
15 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP			
15 AMS		3.7 % V/V	+4WAP			
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	2WK	99	98	99
16 AMS		3.7 % V/V	2WK			
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+2WAP			
16 AMS		3.7 % V/V	+2WAP			
16 ROUNDUP WeatherMAX	5.5	22 FL OZ/A	+4WAP			
16 AMS		3.7 % V/V	+4WAP			
LSD (P=.05)				3.0	15.0	1.0
Standard Deviation				1.8	9.0	0.6
CV				1.8	10.52	0.58
Grand Mean				98.52	85.65	98.92
Replicate F				1.000	0.295	1.000
Replicate Prob(F)				0.3798	0.7470	0.3798
Treatment F				3.503	11.287	1.000
Treatment Prob(F)				0.0017	0.0001	0.4801

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KYProtocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Temperature, Unit: 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 6.66 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B	C	D	E
Application Date:	4-19-06	4-26-06	5-9-06	6-7-06	5-22-06
Time of Day:	1 PM	3:30 PM	10:30 AM	10 AM	10 AM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	1WK	PRE	MP	+2WAP
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	70 F	59 F	67 F	73 F	70 F
% Relative Humidity:	30	63	70	60	60
Wind Velocity, Unit:	2 MPH	3 MPH	6 MPH	6 MPH	6 MPH
Wind Direction:	SW	NE	SSW	SW	SW
Dew Presence (Y/N):	N	N	N	N	N
Soil Temperature, Unit:	68	70 F	75 F	70 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	0	50	10	10	10

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KYProtocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

	F	G
Application Date:	5-31-06	6-5-06
Time of Day:	11 AM	10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	+3WAP	+4WAP
Application Placement:	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	85 F	73 F
% Relative Humidity:	53	44
Wind Velocity, Unit:	6 MPH	6 MPH
Wind Direction:	E	NE
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	80 F	73 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	0	0

Crop Stage At Each Application

	A	B	C	D	E	F
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:				2TR	COT	1TR

	G
Crop 1 Code, BBCH Scale:	GLXMA BSOY
Stage Scale Used:	2TR

Pest Stage At Each Application

	A	B	C	D	E	F	G
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W
Height, Unit:				2 IN	2 IN	2 IN	3 IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Height, Unit:				4 IN	6 IN	8 IN	10 IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W

Application Equipment

	A	B	C
Appl. Equipment:	BACKPACK	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	25 IN	19 IN	19 IN
Ground Speed, Unit:	3.5 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

	D	E	F
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN EARLY PREPLANT III

Trial ID: S6020
Location: LEXINGTON, KY

Protocol ID: S6020
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

G

Appl. Equipment:	ATV	
Operating Pressure, Unit:	30	PSI
Nozzle Type:	FLAT FAN	
Nozzle Size:	8004 DG	
Nozzle Spacing, Unit:	20	IN
Boom Length, Unit:	10	FT
Boom Height, Unit:	19	IN
Ground Speed, Unit:	4	MPH
Carrier:	WATER	
Spray Volume, Unit:	24	GPA
Propellant:	CO2	

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN

Trial ID: S6022
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Name		Giant foxtail	Giant Ragweed	Lambsquarters, common
Crop Code	GLXMA			GLXMA
BBCH Scale	BSOY			BSOY
Crop Name	Soybean			Soybean
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	2 WEEK	2 WEEK	2 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form	Rate	Unit	Growth Stage	1	2	3	4	5
1	SEQUENCE	5.25	2.5	PT/A	PRE	0	99	96	99	0
1	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
1	AMS		3.7	% V/V	LP					
2	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	93	99	0
2	AMS		3.7	% V/V	PRE					
2	SEQUENCE	5.25	2.5	PT/A	2TR					
2	AMS		3.7	% V/V	2TR					
3	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	0	99	96	99	0
3	AMS		3.7	% V/V	PRE					
3	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
3	AMS		3.7	% V/V	LP					
4	PREFIX	5.26	2	PT/A	PRE	0	99	99	99	0
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE					
4	AMS		3.7	% V/V	PRE					
4	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
4	AMS		3.7	% V/V	LP					
5	PREFIX	5.26	2	PT/A	PRE	0	99	87	99	0
5	GRAMOXONE INTEON	2	32	FL OZ/A	PRE					
5	INDUCE		1	% V/V	PRE					
5	TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
5	AMS		2	% V/V	LP					
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	0	99	96	99	0
6	AMS		3.7	% V/V	PRE					
6	ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP					
6	AMS		3.7	% V/V	LP					
LSD (P=.05)						0.0	0.0	7.0	0.0	0.0
Standard Deviation						0.0	0.0	3.8	0.0	0.0
CV						0.0	0.0	4.04	0.0	0.0
Grand Mean						0.0	99.0	94.5	99.0	0.0
Replicate F						0.000	0.000	2.603	0.000	0.000
Replicate Prob(F)						1.0000	1.0000	0.1230	1.0000	1.0000
Treatment F						0.000	0.000	3.514	0.000	0.000
Treatment Prob(F)						1.0000	1.0000	0.0430	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN

Trial ID: S6022
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	SETFA
Pest Name	Giant foxtail	Giant Ragweed	Lambsquarters, common	Giant foxtail
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Name				Soybean
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK	4 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth	6	7	8	9	10	
No. Name	Conc	Rate	Unit	Stage					
1 SEQUENCE	5.25	2.5	PT/A	PRE	99	99	99	0	99
1 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
1 AMS		3.7	% V/V	LP					
2 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	99	99	99	0	99
2 AMS		3.7	% V/V	PRE					
2 SEQUENCE	5.25	2.5	PT/A	2TR					
2 AMS		3.7	% V/V	2TR					
3 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	99	99	99	0	99
3 AMS		3.7	% V/V	PRE					
3 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
3 AMS		3.7	% V/V	LP					
4 PREFIX	5.26	2	PT/A	PRE	99	99	99	0	99
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE					
4 AMS		3.7	% V/V	PRE					
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
4 AMS		3.7	% V/V	LP					
5 PREFIX	5.26	2	PT/A	PRE	99	99	99	0	99
5 GRAMOXONE INTEON	2	32	FL OZ/A	PRE					
5 INDUCE		1	% V/V	PRE					
5 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP					
5 AMS		2	% V/V	LP					
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	99	99	99	0	99
6 AMS		3.7	% V/V	PRE					
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP					
6 AMS		3.7	% V/V	LP					
LSD (P=.05)					0.0	0.0	0.0	0.0	0.0
Standard Deviation					0.0	0.0	0.0	0.0	0.0
CV					0.0	0.0	0.0	0.0	0.0
Grand Mean					99.0	99.0	99.0	0.0	99.0
Replicate F					0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F					0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	1.0000

Plant and Soil Science, U of KY
Weed Science Research

NO TILL SOYBEAN

Trial ID: S6022
Location: LEXINGTON, KY

Protocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBTR	CHEAL
Pest Name	Giant Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	8 WEEK	8 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt Treatment	Form	Rate	Growth		
No. Name	Conc	Rate	Unit	Stage	
1 SEQUENCE	5.25	2.5	PT/A	PRE	99
1 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	
1 AMS		3.7	% V/V	LP	
2 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	95
2 AMS		3.7	% V/V	PRE	
2 SEQUENCE	5.25	2.5	PT/A	2TR	
2 AMS		3.7	% V/V	2TR	
3 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	96
3 AMS		3.7	% V/V	PRE	
3 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	
3 AMS		3.7	% V/V	LP	
4 PREFIX	5.26	2	PT/A	PRE	96
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	PRE	
4 AMS		3.7	% V/V	PRE	
4 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	
4 AMS		3.7	% V/V	LP	
5 PREFIX	5.26	2	PT/A	PRE	98
5 GRAMOXONE INTEON	2	32	FL OZ/A	PRE	
5 INDUCE		1	% V/V	PRE	
5 TOUCHDOWN TOTAL	4.17	24	FL OZ/A	LP	
5 AMS		2	% V/V	LP	
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	PRE	98
6 AMS		3.7	% V/V	PRE	
6 ROUNDUP WeatherMAX	5.5	22	FL OZ/A	LP	
6 AMS		3.7	% V/V	LP	
LSD (P=.05)					6.5
Standard Deviation					3.6
CV					3.67
Grand Mean					96.89
Replicate F					0.004
Replicate Prob(F)					0.9956
Treatment F					0.555
Treatment Prob(F)					0.7324

Plant and Soil Science, U of KY
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NO TILL SOYBEAN

Trial ID: S6022
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H. Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW AG4404
BBCH Scale: BSOY **Planting Date:** 5-8-06
Planting Method: DRILLED **Rate, Unit:** 190000 P/A
Depth, Unit: 1.5 IN
Soil Temperature, Unit: 70 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant Ragweed
Pest 3 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 44 FT
Replications: 3 **Study Design:** Randomized Complete Block

Soil Description

Description Name: LANTON
% Sand: 3 **% OM:** 4 **Texture:** SILT LOAM
% Silt: 63 **pH:** 6.5 **Soil Name:** LANTON
% Clay: 34 **CEC:** 25 **Fert. Level:** EXCELLENT

Application Description

	A	B	C
Application Date:	5-9-06	6-5-06	6-7-06
Time of Day:	10:30 AM	10 AM	10 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	2TR	LP
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK
Air Temperature, Unit:	67 F	73 F	73 F
% Relative Humidity:	70	44	55
Wind Velocity, Unit:	6 MPH	6 MPH	6 MPH
Wind Direction:	SSW	NE	SW
Soil Temperature, Unit:	65 F	80 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	0	80

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:	2TR	2TR	

NO TILL SOYBEAN

Trial ID: S6022
Location: LEXINGTON, KYProtocol ID:
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Pest Stage At Each Application**

	A	B	C
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W
Height, Unit:	4	IN 4	IN
Pest 2 Code, Disc., Scale:	AMBTR W	AMBTR W	AMBTR W
Height, Unit:	6	IN 8	IN
Pest 3 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W
Height, Unit:	2	IN 2	IN

Application Equipment

	A	B	C
Appl. Equipment:	ATV	ATV	ATV
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
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:	19 IN	19 IN	19 IN
Ground Speed, Unit:	4 MPH	4 MPH	4 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	24 GPA	24 GPA	24 GPA
Propellant:	CO2	CO2	CO2

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SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KY

Protocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type					W Weed	W Weed	W Weed
Pest Code					SETFA	AMBEL	CHEAL
Pest Name					Giant foxtail	Common Ragweed	Lambsquarters, common
Crop Code		GLXMA					
BBCH Scale		BSOY					
Crop Name		Soybean					
Rating Data Type		INJURY			CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT			PERCENT	PERCENT	PERCENT
Trt-Eval Interval		BEFORE POST			BEFORE POST	BEFORE POST	BEFORE POST
ARM Action Codes		P			P	P	P
Number of Decimals		0			0	0	0
Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Unit	Stage	1	2	3
							4
1 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	0	0	0
1 AMS		3.7	% V/V	5W			
1 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3WK			
1 AMS		3.7	% V/V	+3WK			
2 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	0	0	0
2 FLEXSTAR	1.88	0.176	LB A/A	3W			
2 AMS		3.7	% V/V	3W			
3 VALOR SX	51	0.064	LB A/A	PRE	38	90	81
3 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W			
3 AMS		3.7	% V/V	5W			
4 VALOR SX	51	0.064	LB A/A	PRE	38	91	83
4 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
4 FLEXSTAR	1.88	0.175	LB A/A	3W			
4 AMS		3.7	% V/V	3W			
5 VALOR SX	51	0.064	LB A/A	PRE	34	90	86
5 FLEXSTAR	1.88	0.294	LB A/A	3W			
5 FUSION	2.66	0.2	LB A/A	3W			
5 ACTIVATOR 90		0.5	% V/V	3W			
6 VALOR SX	51	0.064	LB A/A	PRE	41	90	84
6 FIRSTRATE	84	0.021	LB A/A	5W			
6 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W			
6 AMS		3.7	% V/V	5W			
7 FIRSTRATE	84	0.026	LB A/A	PRE	1	5	93
7 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W			
7 AMS		3.7	% V/V	5W			
8 VALOR SX	51	0.064	LB A/A	PRE	34	85	83
8 COBRA	2	0.19	LB A/A	3W			
8 SELECT	2	0.094	LB A/A	3W			
8 COC		0.5	% V/V	3W			
9 CANOPY	75	0.188	LB A/A	PRE	1	61	94
9 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
9 HARMONY GT	50	0.003	LB A/A	3W			
9 AMS		3.7	% V/V	3W			
10 BOUNDARY	6.5	1.7	LB A/A	PRE	35	97	95
10 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
10 BLAZER	2	0.156	LB A/A	3W			
10 AMS		3.7	% V/V	3W			
11 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	2	0	0
11 HARMONY GT	50	0.003	LB A/A	3W			
11 AMS		3.7	% V/V	3W			
12 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	0	0	0
12 COBRA	2	0.19	LB A/A	3W			
12 AMS		3.7	% V/V	3W			
13 CHECK					0	0	0

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SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KY

Protocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBEL	CHEAL
Pest Name		Giant foxtail	Common Ragweed	Lambsquarters, common
Crop Code	GLXMA			
BBCH Scale	BSOY			
Crop Name	Soybean			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	BEFORE POST	BEFORE POST	BEFORE POST	BEFORE POST
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Form Conc	Rate Rate	Growth Unit	Stage	1	2	3	4
14 INTRRO	4	2	QT/A	PRE	11	97	94	99
14 SENCOR	75	8	OZ/A	PRE				
14 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W				
14 AMS		3.7	% V/V	5W				
LSD (P=.05)					6.7	7.8	5.5	5.8
Standard Deviation					4.7	5.4	3.8	4.1
CV					28.06	10.76	6.77	6.64
Grand Mean					16.77	50.43	56.63	61.41
Replicate F					0.904	4.235	2.687	1.180
Replicate Prob(F)					0.4477	0.0110	0.0597	0.3297
Treatment F					58.606	279.570	527.321	555.881
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KY

Protocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Trt	Treatment	Form	Rate	Unit	Growth	5	6	7	8	9
		Conc	Rate	Unit	Stage					
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	0	0	0	0	0
1	AMS		3.7	% V/V	5W					
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3WK					
1	AMS		3.7	% V/V	+3WK					
2	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	18	99	99	98	16
2	FLEXSTAR	1.88	0.176	LB A/A	3W					
2	AMS		3.7	% V/V	3W					
3	VALOR SX	51	0.064	LB A/A	PRE	4	81	68	99	23
3	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W					
3	AMS		3.7	% V/V	5W					
4	VALOR SX	51	0.064	LB A/A	PRE	9	99	99	99	40
4	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W					
4	FLEXSTAR	1.88	0.175	LB A/A	3W					
4	AMS		3.7	% V/V	3W					
5	VALOR SX	51	0.064	LB A/A	PRE	8	99	99	99	39
5	FLEXSTAR	1.88	0.294	LB A/A	3W					
5	FUSION	2.66	0.2	LB A/A	3W					
5	ACTIVATOR 90		0.5	% V/V	3W					
6	VALOR SX	51	0.064	LB A/A	PRE	8	90	81	99	26
6	FIRSTRATE	84	0.021	LB A/A	5W					
6	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W					
6	AMS		3.7	% V/V	5W					
7	FIRSTRATE	84	0.026	LB A/A	PRE	2	5	91	50	0
7	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W					
7	AMS		3.7	% V/V	5W					
8	VALOR SX	51	0.064	LB A/A	PRE	16	99	99	99	54
8	COBRA	2	0.19	LB A/A	3W					
8	SELECT	2	0.094	LB A/A	3W					
8	COC		0.5	% V/V	3W					
9	CANOPY	75	0.188	LB A/A	PRE	0	96	99	99	1
9	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W					
9	HARMONY GT	50	0.003	LB A/A	3W					
9	AMS		3.7	% V/V	3W					
10	BOUNDARY	6.5	1.7	LB A/A	PRE	9	99	99	99	39
10	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W					
10	BLAZER	2	0.156	LB A/A	3W					
10	AMS		3.7	% V/V	3W					
11	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	6	99	95	97	1
11	HARMONY GT	50	0.003	LB A/A	3W					
11	AMS		3.7	% V/V	3W					
12	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	18	99	99	98	44
12	COBRA	2	0.19	LB A/A	3W					
12	AMS		3.7	% V/V	3W					
13	CHECK					0	0	0	2	0

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SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KY

Protocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Trt Treatment	Form	Rate	Growth	5	6	7	8	9
No. Name	Conc	Rate	Stage					
14 INTRRO	4	2 QT/A	PRE	8	99	93	99	5
14 SENCOR	75	8 OZ/A	PRE					
14 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	5W					
14 AMS		3.7 % V/V	5W					
LSD (P=.05)				5.3	6.1	6.3	3.8	7.7
Standard Deviation				3.7	4.2	4.4	2.6	5.4
CV				50.53	5.59	5.49	3.26	26.3
Grand Mean				7.34	76.0	80.04	81.2	20.54
Replicate F				0.226	1.302	1.632	0.254	1.000
Replicate Prob(F)				0.8775	0.2874	0.1976	0.8578	0.4031
Treatment F				11.179	365.914	255.496	753.330	52.639
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBEL	CHEAL
Pest Name		Giant foxtail	Common Ragweed	Lambsquarters, common
Crop Code	GLXMA			GLXMA
BBCH Scale	BSOY			BSOY
Crop Name	Soybean			Soybean
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL INJURY
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT PERCENT
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK 2 WEEK
ARM Action Codes		P	P	P P
Number of Decimals		0	0	0 0

Plant and Soil Science, U of KY
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SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KY

Protocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBEL	CHEAL	SETFA
Pest Name	Giant foxtail	Common Ragweed	Lambsquarters, common	Giant foxtail
Crop Code				
BBCH Scale				
Crop Name				
Rating Data Type	CONTROL	CONTROL	CONTROL	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
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form	Rate	Unit	Growth Stage	10	11	12	13
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	99	99	89	96
1	AMS		3.7	% V/V	5W				
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3WK				
1	AMS		3.7	% V/V	+3WK				
2	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	99	96	25
2	FLEXSTAR	1.88	0.176	LB A/A	3W				
2	AMS		3.7	% V/V	3W				
3	VALOR SX	51	0.064	LB A/A	PRE	99	99	99	13
3	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W				
3	AMS		3.7	% V/V	5W				
4	VALOR SX	51	0.064	LB A/A	PRE	97	99	99	53
4	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
4	FLEXSTAR	1.88	0.175	LB A/A	3W				
4	AMS		3.7	% V/V	3W				
5	VALOR SX	51	0.064	LB A/A	PRE	97	99	99	80
5	FLEXSTAR	1.88	0.294	LB A/A	3W				
5	FUSION	2.66	0.2	LB A/A	3W				
5	ACTIVATOR 90		0.5	% V/V	3W				
6	VALOR SX	51	0.064	LB A/A	PRE	99	99	99	58
6	FIRSTRATE	84	0.021	LB A/A	5W				
6	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W				
6	AMS		3.7	% V/V	5W				
7	FIRSTRATE	84	0.026	LB A/A	PRE	99	99	92	56
7	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W				
7	AMS		3.7	% V/V	5W				
8	VALOR SX	51	0.064	LB A/A	PRE	99	99	99	66
8	COBRA	2	0.19	LB A/A	3W				
8	SELECT	2	0.094	LB A/A	3W				
8	COC		0.5	% V/V	3W				
9	CANOPY	75	0.188	LB A/A	PRE	98	99	99	19
9	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
9	HARMONY GT	50	0.003	LB A/A	3W				
9	AMS		3.7	% V/V	3W				
10	BOUNDARY	6.5	1.7	LB A/A	PRE	99	99	99	86
10	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
10	BLAZER	2	0.156	LB A/A	3W				
10	AMS		3.7	% V/V	3W				
11	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	99	97	15
11	HARMONY GT	50	0.003	LB A/A	3W				
11	AMS		3.7	% V/V	3W				
12	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	99	99	28
12	COBRA	2	0.19	LB A/A	3W				
12	AMS		3.7	% V/V	3W				
13	CHECK					0	0	0	0

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SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KYProtocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBEL	CHEAL	SETFA
Pest Name	Giant foxtail	Common Ragweed	Lambsquarters, common	Giant foxtail
Crop Code				
BBCH Scale				
Crop Name				
Rating Data Type	CONTROL	CONTROL	CONTROL	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
Number of Decimals	0	0	0	0
Trt Treatment	Form	Rate	Growth	
No. Name	Conc	Rate	Stage	
				10
				11
				12
				13
14 INTRRO	4	2 QT/A	PRE	99
14 SENCOR	75	8 OZ/A	PRE	99
14 ROUNDUP ORIGINAL MAX	4.5	0.75 LB AE/A	5W	99
14 AMS		3.7 % V/V	5W	35
LSD (P=.05)				2.1
Standard Deviation				0.0
CV				2.2
Grand Mean				24.1
Replicate F				1.5
Replicate Prob(F)				0.0
Treatment F				1.59
Treatment Prob(F)				0.0
				91.55
				91.93
				90.29
				44.89
				1.024
				0.000
				0.822
				8.289
				0.3924
				1.0000
				0.4897
				0.0002
				1317.857
				0.000
				1154.593
				12.744
				0.0001
				1.0000
				0.0001
				0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KYProtocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBEL	CHEAL
Pest Name	Common Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt	Treatment	Form	Rate	Rate	Growth		
No.	Name	Conc	Rate	Unit	Stage	14	15
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	99	98
1	AMS		3.7	% V/V	5W		
1	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3WK		
1	AMS		3.7	% V/V	+3WK		
2	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	91
2	FLEXSTAR	1.88	0.176	LB A/A	3W		
2	AMS		3.7	% V/V	3W		
3	VALOR SX	51	0.064	LB A/A	PRE	99	99
3	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W		
3	AMS		3.7	% V/V	5W		
4	VALOR SX	51	0.064	LB A/A	PRE	99	94
4	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
4	FLEXSTAR	1.88	0.175	LB A/A	3W		
4	AMS		3.7	% V/V	3W		
5	VALOR SX	51	0.064	LB A/A	PRE	99	96
5	FLEXSTAR	1.88	0.294	LB A/A	3W		
5	FUSION	2.66	0.2	LB A/A	3W		
5	ACTIVATOR 90		0.5	% V/V	3W		
6	VALOR SX	51	0.064	LB A/A	PRE	99	99
6	FIRSTRATE	84	0.021	LB A/A	5W		
6	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W		
6	AMS		3.7	% V/V	5W		
7	FIRSTRATE	84	0.026	LB A/A	PRE	99	88
7	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W		
7	AMS		3.7	% V/V	5W		
8	VALOR SX	51	0.064	LB A/A	PRE	99	95
8	COBRA	2	0.19	LB A/A	3W		
8	SELECT	2	0.094	LB A/A	3W		
8	COC		0.5	% V/V	3W		
9	CANOPY	75	0.188	LB A/A	PRE	99	99
9	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
9	HARMONY GT	50	0.003	LB A/A	3W		
9	AMS		3.7	% V/V	3W		
10	BOUNDARY	6.5	1.7	LB A/A	PRE	99	89
10	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W		
10	BLAZER	2	0.156	LB A/A	3W		
10	AMS		3.7	% V/V	3W		
11	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	98
11	HARMONY GT	50	0.003	LB A/A	3W		
11	AMS		3.7	% V/V	3W		
12	ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	98
12	COBRA	2	0.19	LB A/A	3W		
12	AMS		3.7	% V/V	3W		
13	CHECK					0	0

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KY

Protocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed
Pest Code	AMBEL	CHEAL
Pest Name	Common Ragweed Lambsquarters, common	
Crop Code		
BBCH Scale		
Crop Name		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Trt-Eval Interval	4 WEEK	4 WEEK
ARM Action Codes	P	P
Number of Decimals	0	0

Trt Treatment No. Name	Form Conc	Rate Rate	Growth Unit Stage	14	15
14 INTRRO	4	2	QT/A PRE	99	96
14 SENCOR	75	8	OZ/A PRE		
14 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A 5W		
14 AMS		3.7	% V/V 5W		
LSD (P=.05)				0.0	4.7
Standard Deviation				0.0	3.3
CV				0.0	3.7
Grand Mean				91.93	88.45
Replicate F				0.000	3.147
Replicate Prob(F)				1.0000	0.0357
Treatment F				0.000	247.952
Treatment Prob(F)				1.0000	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KYProtocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**General Trial Information**

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW 4404
BBCH Scale: BSOY **Planting Date:** 5-3-06
Planting Method: ROWS
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 65 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant Foxtail

Pest 2 Type: W **Code:** AMBEL *Ambrosia artemisiifolia*
Common Name: COMMON RAGWEED

Pest 3 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Lambsquarters, common

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 25 FT
Replications: 4 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C	D
Application Date:	5-3-06	6-1-06	6-7-06	6-27-06
Time of Day:	5 PM	1 PM	10 AM	2 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3W	5W	SW
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	
Air Temperature, Unit:	76 F	82 F	73 F	79 F
% Relative Humidity:	46	62	55	54
Wind Velocity, Unit:	2 MPH	4 MPH	6 MPH	2 MPH
Wind Direction:	SW	SW	SW	SW
Soil Temperature, Unit:	65 F	80 F	80 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	80	80	10

Plant and Soil Science, U of KY
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SOYBEAN POSTEMERGENCE III

Trial ID: S6030
Location: LEXINGTON, KYProtocol ID: COMMON RAGWEED
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack**Crop Stage At Each Application**

	A	B	C	D
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:	1 TR	2 TR	4 TR	

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	SETFA	W SETFA	W SETFA	W SETFA
Height, Unit:	1	IN 2	IN 1	IN
Pest 2 Code, Disc., Scale:	AMBEL	W AMBEL	W AMBEL	W AMBEL
Height, Unit:	3	IN 5	IN 3	IN
Pest 3 Code, Disc., Scale:	CHEAL	W CHEAL	W CHEAL	W CHEAL
Height, Unit:	2	IN 3	IN 2	IN

Application Equipment

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

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed
Pest Code		SETFA		CHEAL		IPOSS
Pest Name		Giant foxtail Lambsquarters, common Morning glory				
Crop Code	GLXMA					
BBCH Scale	GLX					
Crop Name						
Rating Data Type	INJURY	CONTROL		CONTROL		CONTROL
Rating Unit	PERCENT	PERCENT		PERCENT		PERCENT
Trt-Eval Interval	BEFORE POST	BEFORE POST		BEFORE POST		BEFORE POST
ARM Action Codes	P	P		P		P
Number of Decimals	0	0		0		0

Trt No.	Treatment Name	Form	Conc	Rate	Unit	Growth Stage	1	2	3	4
1	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	5W	0	0	0	0
1	AMS			3.7	% V/V	5W				
1	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	+3WK				
1	AMS			3.7	% V/V	+3WK				
2	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W	0	0	0	0
2	RAPTOR		1	0.031	LB A/A	3W				
2	AMS			3.7	% V/V	3W				
3	VALOR SX		51	0.064	LB A/A	PRE	38	94	99	88
3	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W				
3	AMS			3.7	% V/V	3W				
4	VALOR SX		51	0.064	LB A/A	PRE	38	93	99	84
4	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W				
4	RAPTOR		1	0.031	LB A/A	3W				
4	AMS			3.7	% V/V	3W				
5	VALOR SX		51	0.064	LB A/A	PRE	50	95	99	86
5	RAPTOR		1	0.031	LB A/A	3W				
5	ACTIVATOR 90			0.25	% V/V	3W				
5	AMS			3.7	% V/V	3W				
6	PROWL H20		3.8	0.95	LB A/A	PRE	35	89	99	86
6	VALOR SX		51	0.064	LB A/A	PRE				
6	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	5W				
6	AMS			3.7	% V/V	5W				
7	PROWL H20		3.8	0.95	LB A/A	PRE	6	85	99	80
7	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	5W				
7	AMS			3.7	% V/V	5W				
8	PROWL H20		3.8	0.95	LB A/A	PRE	23	80	99	78
8	RAPTOR		1	0.031	LB A/A	3W				
8	ACTIVATOR 90			0.25	% V/V	3W				
8	AMS			3.7	% V/V	3W				
9	CANOPY		75	0.188	LB A/A	PRE	1	83	91	85
9	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W				
9	HARMONY GT		50	0.003	LB A/A	3W				
9	AMS			3.7	% V/V	3W				
10	BOUNDARY		6.5	1.7	LB A/A	PRE	23	96	99	84
10	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W				
10	AMS			3.7	% V/V	3W				
11	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W	0	0	0	0
11	HARMONY GT		50	0.003	LB A/A	3W				
11	AMS			3.7	% V/V	3W				
12	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W	0	0	0	0
12	BASAGRAN		4	1	LB A/A	3W				
12	AMS			3.7	% V/V	3W				
13	ROUNDUP ORIGINAL	MAX	4.5	0.75	LB AE/A	3W	0	0	0	0
13	RESOURCE		0.86	0.054	LB A/A	3W				
13	AMS			3.7	% V/V	3W				

Plant and Soil Science, U of KY
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SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed		W Weed		W Weed
Pest Code		SETFA		CHEAL		IPOSS
Pest Name		Giant foxtail Lambsquarters, common Morning glory				
Crop Code	GLXMA					
BBCH Scale	GLX					
Crop Name						
Rating Data Type	INJURY	CONTROL		CONTROL		CONTROL
Rating Unit	PERCENT	PERCENT		PERCENT		PERCENT
Trt-Eval Interval	BEFORE POST	BEFORE POST		BEFORE POST		BEFORE POST
ARM Action Codes	P	P		P		P
Number of Decimals	0	0		0		0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc Rate	Unit	Stage	1	2	3	4
14 CHECK UNTREATED				0	0	0	0
LSD (P=.05)				6.4	6.8	1.2	5.1
Standard Deviation				4.5	4.7	0.9	3.6
CV				29.44	9.31	1.53	7.47
Grand Mean				15.18	50.89	55.91	47.89
Replicate F				0.149	1.707	1.986	2.703
Replicate Prob(F)				0.9297	0.1814	0.1320	0.0586
Treatment F				67.280	375.898	13888.122	580.887
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	W Weed				
Pest Code	SETFA	CHEAL	IPOSS				
Pest Name	Giant foxtail	Common lambsquarters	Morning glory				
Crop Code	GLXMA						
BBCH Scale	BSOY						
Crop Name	Soybean						
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL			
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT			
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK			
ARM Action Codes	P	P	P	P			
Number of Decimals	0	0	0	0			
Trt Treatment	Form	Rate	Growth	5	6	7	8
No. Name	Conc	Rate	Unit	Stage			
1 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	0	0	0
1 AMS		3.7	% V/V	5W			
1 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3WK			
1 AMS		3.7	% V/V	+3WK			
2 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	18	99	97
2 RAPTOR	1	0.031	LB A/A	3W			
2 AMS		3.7	% V/V	3W			
3 VALOR SX	51	0.064	LB A/A	PRE	24	99	99
3 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
3 AMS		3.7	% V/V	3W			
4 VALOR SX	51	0.064	LB A/A	PRE	35	99	99
4 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
4 RAPTOR	1	0.031	LB A/A	3W			
4 AMS		3.7	% V/V	3W			
5 VALOR SX	51	0.064	LB A/A	PRE	44	99	99
5 RAPTOR	1	0.031	LB A/A	3W			
5 ACTIVATOR 90		0.25	% V/V	3W			
5 AMS		3.7	% V/V	3W			
6 PROWL H20	3.8	0.95	LB A/A	PRE	26	97	99
6 VALOR SX	51	0.064	LB A/A	PRE			
6 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W			
6 AMS		3.7	% V/V	5W			
7 PROWL H20	3.8	0.95	LB A/A	PRE	4	86	99
7 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W			
7 AMS		3.7	% V/V	5W			
8 PROWL H20	3.8	0.95	LB A/A	PRE	28	96	99
8 RAPTOR	1	0.031	LB A/A	3W			
8 ACTIVATOR 90		0.25	% V/V	3W			
8 AMS		3.7	% V/V	3W			
9 CANOPY	75	0.188	LB A/A	PRE	0	99	99
9 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
9 HARMONY GT	50	0.003	LB A/A	3W			
9 AMS		3.7	% V/V	3W			
10 BOUNDARY	6.5	1.7	LB A/A	PRE	6	99	99
10 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W			
10 AMS		3.7	% V/V	3W			
11 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	3	99	99
11 HARMONY GT	50	0.003	LB A/A	3W			
11 AMS		3.7	% V/V	3W			
12 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	8	98	97
12 BASAGRAN	4	1	LB A/A	3W			
12 AMS		3.7	% V/V	3W			
13 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	26	99	99
13 RESOURCE	0.86	0.054	LB A/A	3W			
13 AMS		3.7	% V/V	3W			

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	CHEAL	IPOSS
Pest Name		Giant foxtail	Common lambsquarters	Morning glory
Crop Code	GLXMA			
BBCH Scale	BSOY			
Crop Name	Soybean			
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	1 WEEK	1 WEEK	1 WEEK	1 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth	5	6	7	8
No. Name	Conc Rate	Unit	Stage				
14 CHECK UNTREATED				0	0	0	0
LSD (P=.05)				8.5	2.2	1.2	4.7
Standard Deviation				6.0	1.5	0.8	3.3
CV				38.05	1.83	0.99	4.29
Grand Mean				15.71	83.5	84.57	76.52
Replicate F				5.759	1.774	2.167	2.247
Replicate Prob(F)				0.0023	0.1680	0.1074	0.0981
Treatment F				24.111	2163.066	7304.251	396.945
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001

Plant and Soil Science, U of KY
Weed Science Research

SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	WE	WE				
Pest Code	CHEAL	SETFA	CHEAL	IPOSS				
Pest Name	Lambsquarters, common Giant foxtail							
Crop Code								
BBCH Scale								
Crop Name								
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL				
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT				
Trt-Eval Interval	2 WEEK	4 WEEK	8 WEEK	8 WEEK				
ARM Action Codes	P	P	P	P				
Number of Decimals	0	0	0	0				
Trt Treatment	Form	Rate	Growth					
No. Name	Conc	Rate	Unit	Stage				
				9				
				10				
				11				
				12				
1 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W	91	99	98	94
1 AMS		3.7	% V/V	5W				
1 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	+3WK				
1 AMS		3.7	% V/V	+3WK				
2 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	97	63	97	61
2 RAPTOR	1	0.031	LB A/A	3W				
2 AMS		3.7	% V/V	3W				
3 VALOR SX	51	0.064	LB A/A	PRE	99	40	95	33
3 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
3 AMS		3.7	% V/V	3W				
4 VALOR SX	51	0.064	LB A/A	PRE	99	61	99	59
4 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
4 RAPTOR	1	0.031	LB A/A	3W				
4 AMS		3.7	% V/V	3W				
5 VALOR SX	51	0.064	LB A/A	PRE	98	61	99	63
5 RAPTOR	1	0.031	LB A/A	3W				
5 ACTIVATOR 90		0.25	% V/V	3W				
5 AMS		3.7	% V/V	3W				
6 PROWL H20	3.8	0.95	LB A/A	PRE	99	94	99	74
6 VALOR SX	51	0.064	LB A/A	PRE				
6 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W				
6 AMS		3.7	% V/V	5W				
7 PROWL H20	3.8	0.95	LB A/A	PRE	99	89	99	80
7 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	5W				
7 AMS		3.7	% V/V	5W				
8 PROWL H20	3.8	0.95	LB A/A	PRE	99	89	99	59
8 RAPTOR	1	0.031	LB A/A	3W				
8 ACTIVATOR 90		0.25	% V/V	3W				
8 AMS		3.7	% V/V	3W				
9 CANOPY	75	0.188	LB A/A	PRE	99	69	98	74
9 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
9 HARMONY GT	50	0.003	LB A/A	3W				
9 AMS		3.7	% V/V	3W				
10 BOUNDARY	6.5	1.7	LB A/A	PRE	99	95	92	23
10 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W				
10 AMS		3.7	% V/V	3W				
11 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	98	59	91	39
11 HARMONY GT	50	0.003	LB A/A	3W				
11 AMS		3.7	% V/V	3W				
12 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	51	99	50
12 BASAGRAN	4	1	LB A/A	3W				
12 AMS		3.7	% V/V	3W				
13 ROUNDUP ORIGINAL MAX	4.5	0.75	LB AE/A	3W	99	36	95	48
13 RESOURCE	0.86	0.054	LB A/A	3W				
13 AMS		3.7	% V/V	3W				

Plant and Soil Science, U of KY
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SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Type	W Weed	W Weed	WE	WE
Pest Code	CHEAL	SETFA	CHEAL	IPOSS
Pest Name	Lambsquarters, common Giant foxtail			
Crop Code				
BBCH Scale				
Crop Name				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	2 WEEK	4 WEEK	8 WEEK	8 WEEK
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0

Trt Treatment	Form	Rate	Growth				
No. Name	Conc	Rate	Stage	9	10	11	12
14 CHECK UNTREATED				0	0	0	0
LSD (P=.05)				3.0	25.9	5.6	25.2
Standard Deviation				2.1	18.1	3.9	17.6
CV				2.32	28.04	4.39	32.78
Grand Mean				91.05	64.61	89.91	53.84
Replicate F				0.943	1.182	1.835	2.074
Replicate Prob(F)				0.4294	0.3289	0.1568	0.1195
Treatment F				619.419	9.297	174.188	7.774
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001

SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

General Trial Information

Study Director: CHARLES H. SLACK
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546 **E-mail:** cslack@uky.edu
Investigator: Charles H Slack

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: ASGROW 4404
BBCH Scale: BSOY **Planting Date:** 5-3-06
Planting Method: ROWS
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Seed Bed: MEDIUM **Soil Temperature, Unit:** 65 F
Soil Moisture: NORMAL

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant Foxtail
Pest 2 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Lambsquarters, common
Pest 3 Type: W **Code:** IPOSS *Ipomoea sp.*
Common Name: Morning glory

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 25 FT
Replications: 4 **Study Design:** Randomized Complete Block

Soil Description

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

Application Description

	A	B	C	D
Application Date:	5-3-06	6-1-06	6-7-06	6-27-06
Time of Day:	5 PM	1 pm	10 AM	2 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	3W	5W	+3W
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Applied By:	C. H. SLACK	C. H. SLACK	C. H. SLACK	
Air Temperature, Unit:	76 F	82 F	73 F	79 F
% Relative Humidity:	46	62	55	54
Wind Velocity, Unit:	2 MPH	4 MPH	6 MPH	2 MPH
Wind Direction:	SW	SW	SW	SW
Soil Temperature, Unit:	65 F	80 F	80 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	80	80	10

Crop Stage At Each Application

Crop 1 Code, BBCH Scale: GLXMA BSOY GLXMA BSOY GLXMA BSOY GLXMA BSOY

SOYBEAN POSTEMERGENCE IV

Trial ID: S6031
Location: LEXINGTON, KY

Protocol ID: COMMON LAMBSQUARTER
Study Director: CHARLES H. SLACK
Investigator: Charles H Slack

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	SETFA W	SETFA W	SETFA W	SETFA W
Height, Unit:	2	IN 3	IN 1	IN
Pest 2 Code, Disc., Scale:	CHEAL W	CHEAL W	CHEAL W	CHEAL W
Height, Unit:	3	IN 5	IN 2	IN
Pest 3 Code, Disc., Scale:	IPOSS W	IPOSS W	IPOSS W	IPOSS W
Height, Unit:	2	IN 3	IN 2	IN

Application Equipment

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