

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

CORN POSTEMERGENCE VIII

Trial ID: C1018-2
Location: LEXINGTON, KY.

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

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

Crop 1: ZEAMX CORN, FIELD	Variety: GARST 8541IT
Planting Date: 05-07-01	Planting Method: ROW
Rate: 28000 S/A	Depth: 1.5 IN
Row Spacing: 30 IN	Seed Bed: MEDIUM
Soil Temperature: 67 F	Soil Moisture: NORMAL
	Emergence Date: 05-14-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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Trial ID: C1018-2
Location: LEXINGTON, KY.

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

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

CROP STAGE AT EACH APPLICATION

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

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WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

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

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

Trial ID: C1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code		SETFA	IPOSS	XANST		SETFA	IPOSS	XANST		SETFA	IPOSS	XANST
Crop Code		ZEAMX				ZEAMX				ZEAMX		
Rating Data Type		INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Crop Stage		V3										
Trt-Eval Interval		2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes		P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.		0	0	0	0	0	0	0	0	0	0	0

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

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CORN POSTEMERGENCE LIBERTY

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: PIONEER 33G28
Planting Date: 04-25-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 59 F Soil Moisture: NORMAL Emergence Date: 05-02-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

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CORN POSTEMERGENCE LIBERTY

Trial ID: C1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	04-26-01	05-15-01	05-23-01	06-05-01
Time of Day:	10:00	11:00	10:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	IFN
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	52 F	71 F	58 F	F
% Relative Humidity:	55	60	75	
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	59 F	69 F	64 F	F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20	10	10

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

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CORN POSTEMERGENCE LIBERTY

Trial ID: C1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE ROUNDUP

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD

Variety: ASGROW RX738RR

Planting Date: 04-25-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 59 F

Soil Moisture: MEDIUM

Emergence Date: 05-04-01

SITE AND DESIGN

Plot Width, Unit: 10 FT

Plot Length, Unit: 44 FT

Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6 % OM: 2.6

Texture: SILT LOAM

% Silt: 64 pH: 6.4

Soil Name: MAURY

% Clay: 30 CEC: 17

Fert. Level: EXCELLENT

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

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

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

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

CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

NO-TILL CORN POSTEMERGENCE ROUNDUP

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

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

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
Crop 1 Code, Stage:	ZEAMX PRE	ZEAMX MP	ZEAMX LP	ZEAMX LP 30"C	ZEAMX LLP 30"C
Height, Unit:		8 IN	10 IN	10 IN	12 IN

WEED STAGE AT EACH APPLICATION

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

NO-TILL CORN POSTEMERGENCE ROUNDUP

Trial ID: C1030-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

NO-TILL CORN SYSTEM I

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8541IT
Planting Date: 04-23-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-01-01

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

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

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

NO-TILL CORN SYSTEM I

Trial ID: C1040
Location: LEXINGTON, KY.

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

Crop 4: ZEAMX CORN, FIELD Variety: GARST 8481IT
Planting Date: 04-23-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-01-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

APPLICATION DESCRIPTION

	A	B
Application Date:	04-23-01	05-29-01
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	72 F	63 F
% Relative Humidity:	60	68
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	64 F	69 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

NO-TILL CORN SYSTEM I

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

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

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

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

NO-TILL CORN SYSTEM II (VARIETIES)

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

	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS	SETFA	AMBTR	IPOSS
	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
	INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit												
Trt-Eval Interval	2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS
ARM Action Codes	P	P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	0	96	93	93	0	96	93	90	0	96	93	90
6	BICEP II MAGNUM	5.5 L	L	2.89	LB A/A	PRE	0	96	93	93	0	96	93	90	0	96	93	90
6	ROUNDUP ULTRAMAX	5 SL	SL	1	LB A/A	PRE												
6	AMS	100 SG	SG	1.5	% W/W	PRE												
6	EXCEED	57 DF	DF	0.036	LB A/A	LMP												
6	COC	L	L	1	QT/A	LMP												
6	AMS	100 SG	SG	1.5	% W/W	LMP												
6	RX740RR																	
7	DEGREE XTRA	4.04 CS	CS	1.5	LB A/A	PRE	0	95	89	91	0	95	89	91	0	95	88	90
7	ROUNDUP ULTRAMAX	5 SL	SL	1	LB A/A	PRE												
7	AMS	100 SG	SG	1.5	% W/W	PRE												
7	ROUNDUP ULTRAMAX	5 SL	SL	1	LB A/A	LMP												
7	AMS	100 SG	SG	1.5	% W/W	LMP												
7	RX738RR																	
8	BICEP II MAGNUM	5.5 L	L	2.89	LB A/A	PRE	0	93	95	93	0	93	95	93	0	84	95	93
8	ROUNDUP ULTRAMAX	5 SL	SL	1	LB A/A	PRE												
8	AMS	100 SG	SG	1.5	% W/W	PRE												
8	EXCEED	57 DF	DF	0.036	LB A/A	LMP												
8	COC	L	L	1	QT/A	LMP												
8	AMS	100 SG	SG	1.5	% W/W	LMP												
8	RX738RR																	
LSD (P=.05)				0.0			0.0	3.5	3.8	3.8	0.0	3.4	3.8	3.5	0.0	5.0	3.6	3.2
Standard Deviation				0.0			0.0	2.4	2.6	2.6	0.0	2.3	2.6	2.4	0.0	3.4	2.4	2.1
CV				0.0			0.0	2.52	2.81	2.8	0.0	2.43	2.81	2.55	0.0	3.72	2.6	2.33

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

NO-TILL CORN SYSTEM II (VARIETIES)

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

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

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

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

NO-TILL CORN SYSTEM II (VARIETIES)

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

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

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

CORN CONVENTIONAL SYSTEM 1

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** GARST 8362IT
Planting Date: 04-23-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 64 F **Soil Moisture:** NORMAL **Emergence Date:** 05-01-01

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

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

09-19-01 (C1041)

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CORN CONVENTIONAL SYSTEM 1

Trial ID: C1041
Location: LEXINGTON, KY.

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

Crop 4: ZEAMX CORN, FIELD Variety: GARST 8481IT
Planting Date: 04-23-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 64 F Soil Moisture: NORMAL Emergence Date: 05-01-01

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

SOIL DESCRIPTION
% Sand: 3 % OM: 4 Texture: SILT LOAM
% Silt: 65 pH: 6.4 Soil Name: LANTON
% Clay: 32 CEC: 25 Fert. Level: EXCELLENT

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

APPLICATION DESCRIPTION

	A	B
Application Date:	04-23-01	05-25-01
Time of Day:	10:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	72 F	56 F
% Relative Humidity:	60	70
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	64 F	63 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

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CORN CONVENTIONAL SYSTEM II (VARIETIES)

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

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

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Weed Science Field Research

CORN CONVENTIONAL SYSTEM II (VARIETIES)

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

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

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

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

CORN CONVENTIONAL SYSTEM II (VARIETIES)

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

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

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

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

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

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

CORN CONVENTIONAL SYSTEM II (VARIETIES)

Trial ID: C1043

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

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

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010
Location: LEXINGTON, KY.

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

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

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

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010
Location: LEXINGTON, KY.

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

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

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

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

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

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

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

APPLICATION DESCRIPTION

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

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

CORN POSTEMERGENCE ROUNDUP JOHNSONGRASS

Trial ID: C1010

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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CORN POSTEMERGENCE JOHNSONGRASS

Trial ID: C1011
Location: LEXINGTON, KY.

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

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

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

CORN POSTEMERGENCE JOHNSONGRASS

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

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

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

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

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

CORN POSTEMERGENCE JOHNSONGRASS

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

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SORHA 15J
Stage Scale: 6LF
Density, Unit: 16 IN

APPLICATION EQUIPMENT

A

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

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Weed Science Field Research

CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SORHA				ABUTH				IPOSS			
7	DEFINE	60	DF	0.45	LB A/A	PRE	0	92	95	92	0	82	95	75	0	78	93	75
7	AATREX	4	F	1.5	LB A/A	PRE												
7	AE F130360	61	WG	0.067	LB A/A	15J												
7	AATREX	4	F	1	LB A/A	15J												
7	MSO	L		0.75	QT/A	15J												
7	LIQUID N	L		2	QT/A	15J												
8	BALANCE PRO	4	SC	0.063	LB A/A	PRE	0	92	93	92	0	83	93	77	0	80	90	77
8	AATREX	4	F	1	LB A/A	PRE												
8	AE F130360	70	WG	0.066	LB A/A	15J												
8	MSO	L		0.75	QT/A	15J												
8	LIQUID N	L		2	QT/A	15J												
9	BALANCE PRO	4	SC	0.063	LB A/A	PRE	0	92	93	93	0	80	93	87	0	77	92	87
9	AATREX	4	F	1	LB A/A	PRE												
9	AE F130360	61	WG	0.067	LB A/A	15J												
9	MSO	L		0.75	QT/A	15J												
9	LIQUID N	L		2	QT/A	15J												
10	AXIOM	68	DF	0.425	LB A/A	PRE	0	92	93	92	0	82	93	85	0	82	92	85
10	LIGHTNING	70	DG	0.056	LB A/A	15J												
10	COC	L		1	QT/A	15J												
10	LIQUID N	L		1	QT/A	15J												
11	DEFINE	60	DF	0.338	LB A/A	PRE	0	90	95	95	0	87	95	85	0	78	93	85
11	LIGHTNING	70	DG	0.056	LB A/A	15J												
11	COC	L		1	QT/A	15J												
11	LIQUID N	L		1	QT/A	15J												
12	BICEP II MAGNUM	5.5	L	2.88	LB A/A	PRE	0	85	93	93	0	83	93	77	0	80	92	77
12	EXCEED	57	DF	0.036	LB A/A	15J												
12	COC	L		1	QT/A	15J												
12	LIQUID N	L		1	QT/A	15J												

LSD (P=.05)	2.8	7.4	4.3	5.2	2.8	5.4	4.3	10.1	2.8	6.1	4.6	10.1
Standard Deviation	1.7	4.4	2.6	3.1	1.7	3.2	2.6	6.0	1.7	3.6	2.7	6.0
CV	600.0	4.84	2.74	3.33	600.0	3.85	2.74	7.47	600.0	4.47	2.99	7.47

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

CORN POSTEMERGENCE JOHNSONGRASS II

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD

Variety: GARST 8541IT

Planting Date: 04-26-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: MEDIUM

Soil Temperature: 59 F

Soil Moisture: NORMAL

Emergence Date: 05-03-01

SITE AND DESIGN

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

Site Type: FIELD

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

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

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

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

CORN POSTEMERGENCE JOHNSONGRASS II

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

APPLICATION DESCRIPTION

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

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

CORN POSTEMERGENCE JOHNSONGRASS II

Trial ID: C1012

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

NO-TILL CORN STALKLAND

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8541IT
Planting Date: 05-02-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: SMOOTH/TRASHY
Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-10-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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

09-18-01 (C1004)

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

Site Description Page 3 of 3

NO-TILL CORN STALKLAND

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

APPLICATION EQUIPMENT

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C1007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: CHARLES H. SLACK

Affiliation: UNIVERSITY OF KENTUCKY

Postal Code: 40546

Investigator: Charles Slack

TRIAL LOCATION

City: LEXINGTON

Trial Status: COMPLETE

State/Prov.: KY

Postal Code: 40511

Initiation Date: 04-30-01

Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD

Variety: GARST 8541IT

Planting Date: 05-03-01

Planting Method: ROW

Rate: 28000 S/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: ROUGH/TRASHY

Soil Temperature: 63

F Soil Moisture: NORMAL

Emergence Date: 05-10-01

SITE AND DESIGN

Plot Width, Unit: 5 FT

Plot Length, Unit: 44 FT

Reps: 3

Site Type: FIELD

Tillage Type: NO-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6 % OM: 2.7

Texture: SILT LOAM

% Silt: 64 pH: 6.5

Soil Name: MAURY

% Clay: 30 CEC: 17

Fert. Level: EXCELLENT

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C1007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: ADEQUATE

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

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

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA MP
Stage Scale:				2LF
Density, Unit:				2 IN
Weed 2 Code, Stage:	ABUTH 2WK	ABUTH 1WK	ABUTH PRE	ABUTH MP
Stage Scale:				4LF
Density, Unit:				4 IN
Weed 3 Code, Stage:	AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR MP
Stage Scale:				4LF
Density, Unit:				3 IN
Weed 4 Code, Stage:	IPOSS 2WK	IPOSS 1WK	IPOSS PRE	IPOSS MP
Stage Scale:				4LF
Density, Unit:				2 IN

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

NO-TILL CORN EARLY PREPLANT

Trial ID: C1007

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

SOYBEAN PREEMERGNECE

Trial ID: S1011

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg										
1 GAUNTLET						0	95	88	85	85	0	90	88	80	83
1 FIRSTRATE	84 W		0.031 LB	A/A	PRE										
1 AUTHORITY	75 DF		0.248 LB	A/A	PRE										
1 SELECT	2 EC		0.125 LB	A/A	MP										
1 COC	L		1 QT/A		MP										
2 GAUNTLET						0	95	95	95	93	0	90	95	90	88
2 FIRSTRATE	84 W		0.031 LB	A/A	PRE										
2 AUTHORITY	75 DF		0.248 LB	A/A	PRE										
2 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	MP										
3 GAUNTLET						0	95	95	93	92	0	90	95	88	87
3 FIRSTRATE	84 W		0.031 LB	A/A	PRE										
3 AUTHORITY	75 DF		0.248 LB	A/A	PRE										
3 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP										
4 COMMAND XTRA						0	93	78	53	67	0	90	78	53	63
4 COMMAND	3 ME		0.6 LB	A/A	PRE										
4 AUTHORITY	75 DF		0.3 LB	A/A	PRE										
4 SELECT	2 EC		0.125 LB	A/A	MP										
4 COC	L		1 QT/A		MP										
5 CANOPY XL						0	95	90	88	83	0	87	90	87	82
5 AUTHORITY	75 DF		0.21 LB	A/A	PRE										
5 CLASSIC	25 DF		0.04 LB	A/A	PRE										
5 ASSURE II	0.8 EC		0.055 LB	A/A	MP										
5 COC	L		1 QT/A		MP										
6 STEEL	2.57 EC		0.97 LB	A/A	PRE	0	95	95	95	90	0	87	95	88	87
6 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	MP										
7 DOMAIN	60 DF		0.375 LB	A/A	PRE	0	95	93	93	88	0	60	93	92	87
7 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	MP										
8 BOUNDARY	7.8 EC		1.22 LB	A/A	PRE	0	95	92	93	88	0	90	92	90	85
8 TOUCHDOWN IQ	4 SL		1 LB	A/A	MP										
9 SQUADRON	2.33 EC		0.87 LB	A/A	PRE	0	95	93	95	90	0	90	93	90	88
9 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	MP										

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SOYBEAN FREEMERGNECE

 Trial ID: S1011
 Location: LEXINGTON, KY.

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

Weed Code										
Crop Code										
Rating Data Type										
Rating Unit										
Trt-Eval Interval										
ARM Action Codes										
# Subsamples, Dec.										
Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate	Unit	Grow Stg				
LSD (P=.05)	2.1	14.8	13.7	18.3	17.6	2.4	21.2	13.7	18.3	17.4
Standard Deviation	1.3	9.0	8.3	11.1	10.6	1.5	12.9	8.3	11.1	10.6
CV	193.65	10.51	9.21	12.44	12.41	353.63	16.27	9.21	13.06	12.61

SOYBEAN PREEMERGNECE

Trial ID: S1011

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

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

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SOYBEAN PREEMERGNECE

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

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

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

LSD (P=.05)	0.0	5.9	3.5	4.2	6.5
Standard Deviation	0.0	3.6	2.2	2.6	3.9
CV	0.0	4.57	2.66	3.39	6.03

SOYBEAN PREEMERGNECE

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: AG4702
Planting Date: 05-07-01 Planting Method: ROW
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 67 F Soil Moisture: NORMAL Emergence Date: 05-13-01

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 5	% OM: 2.8	Texture: SILT LOAM
% Silt: 63	pH: 6.5	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

SOYBEAN PREEMERGNECE

Trial ID: S1011

Location: LEXINGTON, KY.

Study Dir.: CHARLES H. SLACK

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-07-01	05-29-01	06-29-01
Time of Day:	10:00	11:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	REG
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	66 F	63 F	74 F
% Relative Humidity:	83	68	
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	67 F	69 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA PRE	GLXMA MP	GLXMA REG
Height, Unit:		3 IN	12 IN

WEED STAGE AT EACH APPLICATION

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

SOYBEAN PREEMERGNECE

Trial ID: S1011

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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SOYBEAN PREEMERGENCE II

Trial ID: S1012 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. SETFA	FOXTAIL, GIANT	SETARIA FABERI HERRM.
2. IPOSS	MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.
3. DATST	JIMSONWEED	DATURA STRAMONIUM L.

Crop 1: GLXMA SOYBEAN Variety: AG4702
Planting Date: 05-07-01 Planting Method: ROW
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 67 F Soil Moisture: NORMAL Emergence Date: 05-13-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: ADEQUATE

Distance: 1.5 Unit: MI

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SOYBEAN PREEMERGENCE II

Trial ID: S1012
Location: LEXINGTON, KY.

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

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-07-01	05-29-01	06-29-01
Time of Day:	10:00	10:00	11:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	MP	REG
Applic. Placement:	BROSOI	BROFOL	BROSOI
Air Temp., Unit:	66 F	63 F	74 F
% Relative Humidity:	83	65	75
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	71 F	69 F	78 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA PRE	GLXMA MP	GLXMA REG
Height, Unit:		3 IN	12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA MP	SETFA REG
Stage Scale:		3LF	3LF
Density, Unit:		4 IN	3 IN
Weed 2 Code, Stage:	IPOSS PRE	IPOSS MP	IPOSS REG
Stage Scale:		4LF	3LF
Density, Unit:		3 IN	2 IN
Weed 3 Code, Stage:	DATST PRE	DATST MP	DATST REG
Stage Scale:		4LF	3LF
Density, Unit:		3 IN	2 IN

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SOYBEAN PREEMERGENCE II

Trial ID: S1012
Location: LEXINGTON, KY.

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

APPLICATION EQUIPMENT

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

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SOYBEAN POSTEMERGENCE

Trial ID: S1014
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form	Form Conc	Rate Type	Unit	Rate	Grow	Stg	0	95	90	87	88	0	90	90	87	88
1	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	95	90	87	88	0	90	90	87	88		
1	TOUCHDOWN IQ	4	SL	1	LB A/A	21 DAP												
2	FLEXSTAR	1.88	CS	0.352	LB A/A	21 DAP	0	95	93	93	92	0	90	93	93	93	92	
2	FUSION	2.66	EC	0.24	LB A/A	21 DAP												
2	MSO		L	1	QT/A	21 DAP												
3	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	95	93	92	95	0	90	93	92	95		
3	FLEXSTAR	1.88	CS	0.352	LB A/A	21 DAP												
3	FUSION	2.66	EC	0.24	LB A/A	21 DAP												
3	MSO		L	1	QT/A	21 DAP												
4	TOUCHDOWN IQ	4	SL	1	LB A/A	21 DAP	0	95	85	85	87	0	88	85	85	87		
5	DOMAIN	60	DF	0.38	LB A/A	PRE	0	95	87	93	88	0	90	87	93	88		
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
5	AMS	100	SG	2	% W/W	LP												
6	DOMAIN	60	DF	0.49	LB A/A	PRE	0	95	93	93	92	0	90	93	93	92		
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
6	AMS	100	SG	2	% W/W	LP												
7	DOMAIN	60	DF	0.6	LB A/A	PRE	0	95	93	92	92	0	90	93	92	92		
7	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
7	AMS	100	SG	2	% W/W	LP												
8	SENCOR	75	DF	0.28	LB A/A	PRE	0	93	95	92	93	0	88	95	92	93		
8	AUTHORITY	75	DF	0.09	LB A/A	PRE												
8	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
8	AMS	100	SG	2	% W/W	LP												
9	SENCOR	75	DF	0.28	LB A/A	PRE	0	90	95	93	93	0	90	95	93	93		
9	FIRSTRATE	84	W	0.02	LB A/A	PRE												
9	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP												
9	AMS	100	SG	2	% W/W	LP												

SOYBEAN POSTEMERGENCE

Trial ID: S1014
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg					
1	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	85	85	80	80
1	TOUCHDOWN IQ	4	SL	1	LB A/A	21 DAP					
2	FLEXSTAR	1.88	CS	0.352	LB A/A	21 DAP	0	82	82	85	80
2	FUSION	2.66	EC	0.24	LB A/A	21 DAP					
2	MSO		L	1	QT/A	21 DAP					
3	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	87	85	83	78
3	FLEXSTAR	1.88	CS	0.352	LB A/A	21 DAP					
3	FUSION	2.66	EC	0.24	LB A/A	21 DAP					
3	MSO		L	1	QT/A	21 DAP					
4	TOUCHDOWN IQ	4	SL	1	LB A/A	21 DAP	0	85	70	68	67
5	DOMAIN	60	DF	0.38	LB A/A	PRE	0	82	70	90	68
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
5	AMS	100	SG	2	% W/W	LP					
6	DOMAIN	60	DF	0.49	LB A/A	PRE	0	87	78	80	75
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
6	AMS	100	SG	2	% W/W	LP					
7	DOMAIN	60	DF	0.6	LB A/A	PRE	0	83	90	90	68
7	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
7	AMS	100	SG	2	% W/W	LP					
8	SENCOR	75	DF	0.28	LB A/A	PRE	0	88	87	90	82
8	AUTHORITY	75	DF	0.09	LB A/A	PRE					
8	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
8	AMS	100	SG	2	% W/W	LP					
9	SENCOR	75	DF	0.28	LB A/A	PRE	0	82	90	90	68
9	FIRSTRATE	84	W	0.02	LB A/A	PRE					
9	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
9	AMS	100	SG	2	% W/W	LP					

SOYBEAN POSTEMERGENCE

Trial ID: S1014

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Stg					
19 FIRSTRATE	84	W	0.016	LB	A/A LP	0	87	85	83	75
19 TOUCHDOWN IQ	4	SL		1 LB	A/A LP					
20 ROUNDUP ULTRAMAX	5	SL		1 LB	A/A LP	0	80	90	90	67
21 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A LP	0	90	90	90	90
21 AMS	100	SG		2 %	W/W LP					
21 ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A REG					
21 AMS	100	SG		2 %	W/W REG					
22 TOUCHDOWN IQ	4	SL	0.75	LB	A/A LP	0	90	90	90	90
22 TOUCHDOWN IQ	4	SL	0.75	LB	A/A REG					
23 FIRSTRATE	84	W	0.016	LB	A/A LP	0	82	80	75	63
23 POAST PLUS	1	E	0.25	LB	A/A LP					
23 COC		L		1 QT/A	LP					
23 WEED MAK										
24 ULTRA BLAZER	2	L	0.375	LB	A/A LP	0	65	85	80	55
24 FIRSTRATE	84	W	0.016	LB	A/A LP					
24 COC		L		1 QT/A	LP					
24 WEED MAK										
LSD (P=.05)			0.0			5.5	6.4	6.3		10.4
Standard Deviation			0.0			3.3	3.9	3.8		6.3
CV			0.0			3.92	4.53	4.48		8.6

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SOYBEAN POSTEMERGENCE

Trial ID: S1014 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-02-01	05-29-01	06-03-01	06-29-01
Time of Day:	10:00	11:00	2:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	21DAP	LP	REG
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	67 F	63 F	58 F	74 F
% Relative Humidity:	69	68	73	73
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	66 F	69 F	64 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20	10

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA PRE	GLXMA 21DAP	GLXMA LP	GLXMA REG
Height, Unit:	3	IN	5	IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	SETFA PRE	SETFA 21DAP	SETFA LP	SETFA REG
Stage Scale:		3LF	4LF	3LF
Density, Unit:		3 IN	6 IN	3 IN
Weed 2 Code, Stage:	CHEAL PRE	CHEAL 21DAP	CHEAL LP	CHEAL REG
Stage Scale:		4LF	6LF	3LF
Density, Unit:		3 IN	4 IN	3 IN
Weed 3 Code, Stage:	AMBTR PRE	AMBTR 21DAP	AMBTR LP	AMBTR REG
Stage Scale:		6LF	10LF	4LF
Density, Unit:		6 IN	7 IN	4 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS 21DAP	IPOSS LP	IPOSS REG
Stage Scale:		4LF	6LF	4LF
Density, Unit:		2 IN	6 IN	3 IN

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

SOYBEAN POSTEMERGENCE

Trial ID: S1014
Location: LEXINGTON, KY.

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

APPLICATION EQUIPMENT

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

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg										
1	PHOENIX	2 EC		0.125	LB A/A	MP	7	88	93	93	88	0	57	78	53	65
1	PRO-X	100 L		0.5	QT/A	MP										
1	SELECT	2 EC		0.094	LB A/A	EP										
1	COC	L		1	QT/A	EP										
2	PHOENIX	2 EC		0.15	LB A/A	MP	5	88	93	95	92	0	68	77	50	67
2	PRO-X	100 L		0.5	QT/A	MP										
2	SELECT	2 EC		0.094	LB A/A	EP										
2	COC	L		1	QT/A	EP										
3	PHOENIX	2 EC		0.125	LB A/A	LP	8	92	95	95	88	0	62	77	55	63
3	PRO-X	100 L		0.5	QT/A	LP										
3	SELECT	2 EC		0.094	LB A/A	EP										
3	COC	L		1	QT/A	EP										
4	PHOENIX	2 EC		0.15	LB A/A	LP	5	90	93	93	87	0	67	73	50	65
4	PRO-X	100 L		0.5	QT/A	LP										
4	SELECT	2 EC		0.094	LB A/A	EP										
4	COC	L		1	QT/A	EP										
5	PHOENIX	2 EC		0.2	LB A/A	LP	5	90	95	93	88	0	63	72	50	63
5	PRO-X	100 L		0.5	QT/A	LP										
5	SELECT	2 EC		0.094	LB A/A	EP										
5	COC	L		1	QT/A	EP										
6	PHOENIX	2 EC		0.15	LB A/A	LP	7	90	95	95	90	0	55	78	48	58
6	COC	L		0.5	QT/A	LP										
6	SELECT	2 EC		0.094	LB A/A	EP										
6	COC	L		1	QT/A	EP										
7	PHOENIX	2 EC		0.15	LB A/A	LP	7	90	95	93	88	0	63	75	45	63
7	SPREADER HF			0.125	% V/V	LP										
7	SELECT	2 EC		0.094	LB A/A	EP										
7	COC	L		1	QT/A	EP										
8	COBRA	2 EC		0.15	LB A/A	LP	8	90	95	93	88	0	70	77	45	65
8	COC	L		0.5	QT/A	LP										
8	SELECT	2 EC		0.094	LB A/A	EP										
8	COC	L		1	QT/A	EP										

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR	IPOSS	GLXMA	SETFA	CHEAL	AMBTR	IPOSS
9	PHOENIX	2	EC	0.125	LB A/A	EP	10	88	95	95	85	0	62	75	47	60
9	FIRSTRATE	84	W	0.016	LB A/A	EP										
9	PRO-X	100	L	0.5	QT/A	EP										
10	FIRSTRATE	84	W	0.016	LB A/A	EP	0	73	70	90	53	0	67	62	47	62
10	SPREADER HF			0.125	% V/V	EP										
11	FIRSTRATE	84	W	0.016	LB A/A	EP	0	58	83	88	77	0	62	73	53	62
11	COC		L	0.5	QT/A	EP										
12	SELECT	2	EC	0.125	LB A/A	MP	0	78	82	87	62	0	63	70	47	53
12	COBRA	2	EC	0.125	LB A/A	MP										
12	COC		L	0.5	QT/A	MP										
12	AMS	100	SG	2.5	LB A/A	MP										
13	SELECT	2	EC	0.125	LB A/A	MP	5	88	93	92	92	0	63	72	42	63
13	HARMONY GT	75	DF	0.004	LB A/A	MP										
13	COC		L	0.5	QT/A	MP										
13	AMS	100	SG	2.5	LB A/A	MP										
14	SELECT	2	EC	0.125	LB A/A	MP	3	88	82	77	67	0	67	75	47	62
14	HARMONY GT	75	DF	0.004	LB A/A	MP										
14	COBRA	2	EC	0.125	LB A/A	MP										
14	COC		L	0.5	QT/A	MP										
14	AMS	100	SG	2.5	LB A/A	MP										
15	SELECT	2	EC	0.125	LB A/A	MP	0	90	90	85	78	0	68	82	38	58
15	HARMONY GT	75	DF	0.004	LB A/A	MP										
15	PHOENIX	2	EC	0.125	LB A/A	MP										
15	COC		L	0.5	QT/A	MP										
15	AMS	100	SG	2.5	LB A/A	MP										
16	WEEDY CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							5.2	7.7	6.3	5.0	11.6	0.0	12.2	11.9	15.8	9.5
Standard Deviation							3.1	4.6	3.8	3.0	7.0	0.0	7.3	7.1	9.5	5.7
CV							71.14	5.74	4.47	3.49	9.09	0.0	12.27	10.23	21.1	9.85

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SOYBEAN POSTEMERGENCE II

Trial ID: S1015
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
1	PHOENIX	2	EC	0.125	LB A/A	MP	0	57	78	53	65
1	PRO-X	100	L	0.5	QT/A	MP					
1	SELECT	2	EC	0.094	LB A/A	EP					
1	COC		L	1	QT/A	EP					
2	PHOENIX	2	EC	0.15	LB A/A	MP	0	68	77	50	67
2	PRO-X	100	L	0.5	QT/A	MP					
2	SELECT	2	EC	0.094	LB A/A	EP					
2	COC		L	1	QT/A	EP					
3	PHOENIX	2	EC	0.125	LB A/A	LP	0	62	77	55	63
3	PRO-X	100	L	0.5	QT/A	LP					
3	SELECT	2	EC	0.094	LB A/A	EP					
3	COC		L	1	QT/A	EP					
4	PHOENIX	2	EC	0.15	LB A/A	LP	0	67	73	50	65
4	PRO-X	100	L	0.5	QT/A	LP					
4	SELECT	2	EC	0.094	LB A/A	EP					
4	COC		L	1	QT/A	EP					
5	PHOENIX	2	EC	0.2	LB A/A	LP	0	63	72	50	63
5	PRO-X	100	L	0.5	QT/A	LP					
5	SELECT	2	EC	0.094	LB A/A	EP					
5	COC		L	1	QT/A	EP					
6	PHOENIX	2	EC	0.15	LB A/A	LP	0	55	78	48	58
6	COC		L	0.5	QT/A	LP					
6	SELECT	2	EC	0.094	LB A/A	EP					
6	COC		L	1	QT/A	EP					
7	PHOENIX	2	EC	0.15	LB A/A	LP	0	63	75	45	63
7	SPREADER HF			0.125	% V/V	LP					
7	SELECT	2	EC	0.094	LB A/A	EP					
7	COC		L	1	QT/A	EP					
8	COBRA	2	EC	0.15	LB A/A	LP	0	70	77	45	65
8	COC		L	0.5	QT/A	LP					
8	SELECT	2	EC	0.094	LB A/A	EP					
8	COC		L	1	QT/A	EP					

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg					
9	PHOENIX	2	EC	0.125	LB A/A	EP	0	62	75	47	60
9	FIRSTRATE	84	W	0.016	LB A/A	EP					
9	PRO-X	100	L	0.5	QT/A	EP					
10	FIRSTRATE	84	W	0.016	LB A/A	EP	0	67	62	47	62
10	SPREADER HF			0.125	% V/V	EP					
11	FIRSTRATE	84	W	0.016	LB A/A	EP	0	62	73	53	62
11	COC		L	0.5	QT/A	EP					
12	SELECT	2	EC	0.125	LB A/A	MP	0	63	70	47	53
12	COBRA	2	EC	0.125	LB A/A	MP					
12	COC		L	0.5	QT/A	MP					
12	AMS	100	SG	2.5	LB A/A	MP					
13	SELECT	2	EC	0.125	LB A/A	MP	0	63	72	42	63
13	HARMONY GT	75	DF	0.004	LB A/A	MP					
13	COC		L	0.5	QT/A	MP					
13	AMS	100	SG	2.5	LB A/A	MP					
14	SELECT	2	EC	0.125	LB A/A	MP	0	67	75	47	62
14	HARMONY GT	75	DF	0.004	LB A/A	MP					
14	COBRA	2	EC	0.125	LB A/A	MP					
14	COC		L	0.5	QT/A	MP					
14	AMS	100	SG	2.5	LB A/A	MP					
15	SELECT	2	EC	0.125	LB A/A	MP	0	68	82	38	58
15	HARMONY GT	75	DF	0.004	LB A/A	MP					
15	PHOENIX	2	EC	0.125	LB A/A	MP					
15	COC		L	0.5	QT/A	MP					
15	AMS	100	SG	2.5	LB A/A	MP					
16	WEEDY CHECK						0	0	0	0	0
LSD (P=.05)				0.0	12.2	11.9	15.8	9.5			
Standard Deviation				0.0	7.3	7.1	9.5	5.7			
CV				0.0	12.27	10.23	21.1	9.85			

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4702
Planting Date: 05-02-01 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** NORMAL **Emergence Date:** 05-10-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-25-01	05-29-01	06-03-01
Time of Day:	10:00	11:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	EP	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	56 F	63 F	58 F
% Relative Humidity:	70	68	73
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	63 F	69 F	63 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA EP	GLXMA MP	GLXMA LP
Height, Unit:	2 IN	3 IN	5 IN

WEED STAGE AT EACH APPLICATION

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

SOYBEAN POSTEMERGENCE II

Trial ID: S1015

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	IPOSS	AMBTR	SETFA	CHEAL	IPOSS	AMBTR	
1	PHOENIX	2	EC	0.15	LB A/A	MP	5	100	68	97	100	0	95	47	95
1	FIRSTRATE	84	W	0.016	LB A/A	MP									
1	AMS	100	SG	2.5	LB A/A	MP									
1	SELECT	2	EC	0.094	LB A/A	EP									
1	COC		L	1	QT/A	EP									
2	PHOENIX	2	EC	0.125	LB A/A	MP	5	100	63	97	100	0	95	50	95
2	FIRSTRATE	84	W	0.016	LB A/A	MP									
2	AMS	100	SG	2.5	LB A/A	MP									
2	SELECT	2	EC	0.094	LB A/A	EP									
2	COC		L	1	QT/A	EP									
3	PHOENIX	2	EC	0.15	LB A/A	MP	5	100	85	98	100	0	95	85	95
3	FIRSTRATE	84	W	0.016	LB A/A	MP									
3	SPREADER HF			0.125	% V/V	MP									
3	SELECT	2	EC	0.094	LB A/A	EP									
3	COC		L	1	QT/A	EP									
4	PHOENIX	2	EC	0.125	LB A/A	MP	5	67	75	98	100	0	63	75	95
4	FIRSTRATE	84	W	0.016	LB A/A	MP									
4	SPREADER HF			0.125	% V/V	MP									
4	SELECT	2	EC	0.094	LB A/A	EP									
4	COC		L	1	QT/A	EP									
5	PHOENIX	2	EC	0.15	LB A/A	MP	10	100	100	80	93	5	95	95	80
5	HARMONY GT	75	DF	0.004	LB A/A	MP									
5	SELECT	2	EC	0.125	LB A/A	MP									
5	AMS	100	SG	2.5	LB A/A	MP									
6	PHOENIX	2	EC	0.15	LB A/A	MP	10	100	100	85	100	5	95	95	85
6	HARMONY GT	75	DF	0.004	LB A/A	MP									
6	SELECT	2	EC	0.125	LB A/A	MP									
6	SPREADER HF			0.125	% V/V	MP									
7	PHOENIX	2	EC	0.15	LB A/A	MP	8	100	100	83	100	3	95	95	82
7	HARMONY GT	75	DF	0.004	LB A/A	MP									
7	SELECT	2	EC	0.125	LB A/A	MP									
7	AMS	100	SG	2.5	LB A/A	MP									
7	SPREADER HF			0.125	% V/V	MP									

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

SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	IPOSS	AMBTR	SETFA	CHEAL	IPOSS	AMBTR		
8	COBRA	2	EC	0.15	LB A/A	MP	5	100	87	98	100	0	95	82	93	95
8	FIRSTRATE	84	W	0.016	LB A/A	MP										
8	COC		L	0.5	QT/A	MP										
8	AMS	100	SG	2.5	LB A/A	MP										
8	SELECT	2	EC	0.094	LB A/A	EP										
8	COC		L	1	QT/A	EP										
9	FLEXSTAR	1.88	CS	0.19	LB A/A	MP	3	98	97	98	100	0	95	95	98	100
9	FIRSTRATE	84	W	0.016	LB A/A	MP										
9	COC		L	0.5	QT/A	MP										
9	AMS	100	SG	2.5	LB A/A	MP										
9	SELECT	2	EC	0.094	LB A/A	EP										
9	COC		L	1	QT/A	EP										
10	COBRA	2	EC	0.15	LB A/A	MP	5	100	93	85	98	2	95	92	85	95
10	HARMONY GT	75	DF	0.004	LB A/A	MP										
10	SELECT	2	EC	0.125	LB A/A	MP										
10	SPREADER HF			0.125	% V/V	MP										
10	AMS	100	SG	2.5	LB A/A	MP										
11	HARMONY GT	75	DF	0.004	LB A/A	MP	5	98	95	58	63	2	95	93	58	62
11	SELECT	2	EC	0.125	LB A/A	MP										
11	SPREADER HF			0.125	% V/V	MP										
11	AMS	100	SG	2.5	LB A/A	MP										
12	TOUCHDOWN IQ	4	SL	1	LB A/A	LP	0	92	93	90	93	0	92	93	90	93
12	WEED MAK															
13	RAPTOR	1	E	0.031	LB A/A	LP	2	85	87	82	85	0	77	85	82	85
13	SPREADER HF			0.25	% V/V	LP										
13	LIQUID N		L	1	QT/A	LP										
13	WEED MAK															
14	SCEPTER	70	WG	0.125	LB A/A	LP	0	58	62	58	60	0	48	48	48	40
14	COC		L	1	QT/A	LP										
14	WEED MAK															
15	WEEDY CHECK						0	0	0	0	0	0	0	0	0	0

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SOYBEAN POSTEMERGENCE III

Trial ID: S1016
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	IPOSS	AMBTR					
LSD (P=.05)			2.2			32.4	25.7	24.5	27.2	2.1	28.9	20.5	21.0	20.1
Standard Deviation			1.3			19.3	15.4	14.6	16.3	1.3	17.3	12.2	12.6	12.0
CV			29.01			22.35	19.15	18.19	18.87	114.8	21.06	16.25	15.94	14.7

SOYBEAN POSTEMERGENCE III

Trial ID: S1016
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	IPOSS	AMBTR
1	PHOENIX	2	EC	0.15	LB A/A MP	0	95	33	95	95
1	FIRSTRATE	84	W	0.016	LB A/A MP					
1	AMS	100	SG	2.5	LB A/A MP					
1	SELECT	2	EC	0.094	LB A/A EP					
1	COC		L	1	QT/A EP					
2	PHOENIX	2	EC	0.125	LB A/A MP	0	95	47	95	95
2	FIRSTRATE	84	W	0.016	LB A/A MP					
2	AMS	100	SG	2.5	LB A/A MP					
2	SELECT	2	EC	0.094	LB A/A EP					
2	COC		L	1	QT/A EP					
3	PHOENIX	2	EC	0.15	LB A/A MP	0	95	62	95	95
3	FIRSTRATE	84	W	0.016	LB A/A MP					
3	SPREADER HF			0.125	% V/V MP					
3	SELECT	2	EC	0.094	LB A/A EP					
3	COC		L	1	QT/A EP					
4	PHOENIX	2	EC	0.125	LB A/A MP	0	63	75	95	95
4	FIRSTRATE	84	W	0.016	LB A/A MP					
4	SPREADER HF			0.125	% V/V MP					
4	SELECT	2	EC	0.094	LB A/A EP					
4	COC		L	1	QT/A EP					
5	PHOENIX	2	EC	0.15	LB A/A MP	0	95	95	80	88
5	HARMONY GT	75	DF	0.004	LB A/A MP					
5	SELECT	2	EC	0.125	LB A/A MP					
5	AMS	100	SG	2.5	LB A/A MP					
6	PHOENIX	2	EC	0.15	LB A/A MP	2	95	95	85	93
6	HARMONY GT	75	DF	0.004	LB A/A MP					
6	SELECT	2	EC	0.125	LB A/A MP					
6	SPREADER HF			0.125	% V/V MP					
7	PHOENIX	2	EC	0.15	LB A/A MP	0	95	95	82	95
7	HARMONY GT	75	DF	0.004	LB A/A MP					
7	SELECT	2	EC	0.125	LB A/A MP					
7	AMS	100	SG	2.5	LB A/A MP					
7	SPREADER HF			0.125	% V/V MP					

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SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	IPOSS	AMBTR	
8	COBRA	2	EC	0.15	LB A/A	MP	0	95	72	93	95
8	FIRSTRATE	84	W	0.016	LB A/A	MP					
8	COC		L	0.5	QT/A	MP					
8	AMS	100	SG	2.5	LB A/A	MP					
8	SELECT	2	EC	0.094	LB A/A	EP					
8	COC		L	1	QT/A	EP					
9	FLEXSTAR	1.88	CS	0.19	LB A/A	MP	0	95	93	95	95
9	FIRSTRATE	84	W	0.016	LB A/A	MP					
9	COC		L	0.5	QT/A	MP					
9	AMS	100	SG	2.5	LB A/A	MP					
9	SELECT	2	EC	0.094	LB A/A	EP					
9	COC		L	1	QT/A	EP					
10	COBRA	2	EC	0.15	LB A/A	MP	0	95	90	83	95
10	HARMONY GT	75	DF	0.004	LB A/A	MP					
10	SELECT	2	EC	0.125	LB A/A	MP					
10	SPREADER HF			0.125	% V/V	MP					
10	AMS	100	SG	2.5	LB A/A	MP					
11	HARMONY GT	75	DF	0.004	LB A/A	MP	0	95	93	58	62
11	SELECT	2	EC	0.125	LB A/A	MP					
11	SPREADER HF			0.125	% V/V	MP					
11	AMS	100	SG	2.5	LB A/A	MP					
12	TOUCHDOWN IQ	4	SL	1	LB A/A	LP	0	92	93	90	93
12	WEED MAK										
13	RAPTOR	1	E	0.031	LB A/A	LP	0	77	85	82	85
13	SPREADER HF			0.25	% V/V	LP					
13	LIQUID N		L	1	QT/A	LP					
13	WEED MAK										
14	SCEPTER	70	WG	0.125	LB A/A	LP	0	48	48	35	13
14	COC		L	1	QT/A	LP					
14	WEED MAK										
15	WEEDY CHECK						0	0	0	0	0

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SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg
LSD (P=.05)				1.2		28.9
Standard Deviation				0.7		17.3
CV				670.82		21.06
						19.8
						16.8
						14.4
						11.9
						10.0
						8.6
						16.52
						12.92
						10.84

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

Trial ID: S1016 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4702
Planting Date: 05-02-01 **Planting Method:** ROW
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** NORMAL **Emergence Date:** 05-10-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

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SOYBEAN POSTEMERGENCE III

Trial ID: S1016 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-25-01	05-29-01	05-29-01
Time of Day:	10:00	10:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	EP	MP	LP
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	56 F	63 F	63 F
% Relative Humidity:	70	68	68
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	63 F	69 F	69 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA EP	GLXMA MP	GLXMA LP
Height, Unit:	2 IN	3 IN	3 IN

WEED STAGE AT EACH APPLICATION

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

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SOYBEAN POSTEMERGENCE III

Trial ID: S1016

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	SETFA	ABUTH	AMBTR	IPOSS	SETFA	ABUTH	AMBTR	IPOSS		
1	PHOENIX	2 EC		0.15 LB	A/A	MP	0	92	83	82	23	0	78	78	80	23
1	SELECT	2 EC		0.094 LB	A/A	MP										
1	AMS	100 SG		2.5 LB	A/A	MP										
2	PHOENIX	2 EC		0.15 LB	A/A	MP	0	92	88	83	62	0	85	83	80	57
2	SELECT	2 EC		0.125 LB	A/A	MP										
2	AMS	100 SG		2.5 LB	A/A	MP										
3	PHOENIX	2 EC		0.15 LB	A/A	MP	0	92	87	80	62	0	88	83	77	60
3	SELECT	2 EC		0.094 LB	A/A	MP										
3	PRO-X	100 L		0.5 QT/A		MP										
4	PHOENIX	2 EC		0.15 LB	A/A	MP	0	92	88	83	78	0	83	80	78	77
4	SELECT	2 EC		0.125 LB	A/A	MP										
4	PRO-X	100 L		0.5 QT/A		MP										
5	PHOENIX	2 EC		0.15 LB	A/A	MP	0	92	88	87	68	0	85	80	78	67
5	SELECT	2 EC		0.094 LB	A/A	MP										
5	SPREADER HF			0.125 %	V/V	MP										
6	PHOENIX	2 EC		0.15 LB	A/A	MP	0	93	88	83	73	0	83	82	82	73
6	SELECT	2 EC		0.125 LB	A/A	MP										
6	SPREADER HF			0.125 %	V/V	MP										
7	COBRA	2 EC		0.15 LB	A/A	MP	3	90	88	87	72	3	80	83	80	68
7	SELECT	2 EC		0.125 LB	A/A	MP										
7	COC	L		0.5 QT/A		MP										
7	AMS	100 SG		2.5 LB	A/A	MP										
8	FLEXSTAR	1.88 CS		0.19 LB	A/A	MP	2	93	93	93	88	2	83	82	85	87
8	FIRSTRATE	84 W		0.016 LB	A/A	MP										
8	SELECT	2 EC		0.125 LB	A/A	MP										
8	COC	L		0.5 QT/A		MP										
8	AMS	100 SG		2.5 LB	A/A	MP										
9	SELECT	2 EC		0.094 LB	A/A	MP	0	88	37	33	23	0	80	35	33	23
9	COC	L		1 QT/A		MP										

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form	Form Conc	Rate	Unit	Grow Stg										
10	SELECT	2 EC		0.094 LB	A/A	MP	0	93	83	80	50	0	83	82	75	58
10	COBRA	2 EC		0.125 LB	A/A	MP										
10	COC	L		1 QT/A		MP										
10	AMS	100 SG		2.5 LB	A/A	MP										
11	SELECT	2 EC		0.094 LB	A/A	MP	0	90	77	77	25	0	82	72	72	25
11	PHOENIX	2 EC		0.125 LB	A/A	MP										
11	AMS	100 SG		2.5 LB	A/A	MP										
12	SELECT	2 EC		0.125 LB	A/A	MP	3	92	87	87	83	3	83	83	83	80
12	PHOENIX	2 EC		0.125 LB	A/A	MP										
12	AMS	100 SG		2.5 LB	A/A	MP										
13	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	92	92	88	80	0	80	85	83	78
13	SELECT	2 EC		0.094 LB	A/A	EP										
13	COC	L		1 QT/A		EP										
14	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	95	93	92	88	0	83	85	88	83
14	S-3153	57.6 WG		0.018 LB	A/A	MP										
14	SELECT	2 EC		0.094 LB	A/A	EP										
14	COC	L		1 QT/A		EP										
15	V-10078	4.07 SC		1.018 LB	A/A	MP	0	93	95	92	90	0	83	83	85	87
15	COC	L		1 QT/A		MP										
15	AMS	100 SG		2.5 LB	A/A	MP										
15	SELECT	2 EC		0.094 LB	A/A	EP										
15	COC	L		1 QT/A		EP										
16	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	MP	0	95	95	95	90	0	85	83	88	85
16	FIRSTRATE	84 W		0.008 LB	A/A	MP										
16	SELECT	2 EC		0.094 LB	A/A	EP										
16	COC	L		1 QT/A		EP										
17	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP	0	93	92	87	77	0	82	87	85	73
18	VALOR	50 WG		0.063 LB	A/A	PRE	0	95	95	93	90	0	85	82	90	85
18	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP										

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SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg										
19 SQUADRON	2.33	EC	0.87	LB	A/A PRE	3	95	95	93	90	3	83	85	88	88
19 ROUNDUP ULTRAMAX	5	SL		1 LB	A/A LP										
20 CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)						3.4	4.3	15.1	14.7	23.1	3.4	6.3	13.6	14.5	24.1
Standard Deviation						2.1	2.6	9.1	8.9	14.0	2.1	3.8	8.2	8.8	14.6
CV						352.68	2.98	11.1	11.18	21.29	352.68	4.82	10.88	11.62	22.87

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
1	PHOENIX	2	EC	0.15	LB A/A	MP	0	78	78	80	23
1	SELECT	2	EC	0.094	LB A/A	MP					
1	AMS	100	SG	2.5	LB A/A	MP					
2	PHOENIX	2	EC	0.15	LB A/A	MP	0	85	83	80	57
2	SELECT	2	EC	0.125	LB A/A	MP					
2	AMS	100	SG	2.5	LB A/A	MP					
3	PHOENIX	2	EC	0.15	LB A/A	MP	0	88	83	77	60
3	SELECT	2	EC	0.094	LB A/A	MP					
3	PRO-X	100	L	0.5	QT/A	MP					
4	PHOENIX	2	EC	0.15	LB A/A	MP	0	83	80	78	77
4	SELECT	2	EC	0.125	LB A/A	MP					
4	PRO-X	100	L	0.5	QT/A	MP					
5	PHOENIX	2	EC	0.15	LB A/A	MP	0	85	80	78	67
5	SELECT	2	EC	0.094	LB A/A	MP					
5	SPREADER HF			0.125	% V/V	MP					
6	PHOENIX	2	EC	0.15	LB A/A	MP	0	83	82	82	73
6	SELECT	2	EC	0.125	LB A/A	MP					
6	SPREADER HF			0.125	% V/V	MP					
7	COBRA	2	EC	0.15	LB A/A	MP	3	80	83	80	68
7	SELECT	2	EC	0.125	LB A/A	MP					
7	COC		L	0.5	QT/A	MP					
7	AMS	100	SG	2.5	LB A/A	MP					
8	FLEXSTAR	1.88	CS	0.19	LB A/A	MP	2	83	82	85	87
8	FIRSTRATE	84	W	0.016	LB A/A	MP					
8	SELECT	2	EC	0.125	LB A/A	MP					
8	COC		L	0.5	QT/A	MP					
8	AMS	100	SG	2.5	LB A/A	MP					
9	SELECT	2	EC	0.094	LB A/A	MP	0	80	35	33	23
9	COC		L	1	QT/A	MP					

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SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
10 SELECT	2 EC		0.094 LB	A/A MP		0	83	82	75	58
10 COBRA	2 EC		0.125 LB	A/A MP						
10 COC	L		1 QT/A	MP						
10 AMS	100 SG		2.5 LB	A/A MP						
11 SELECT	2 EC		0.094 LB	A/A MP		0	82	72	72	25
11 PHOENIX	2 EC		0.125 LB	A/A MP						
11 AMS	100 SG		2.5 LB	A/A MP						
12 SELECT	2 EC		0.125 LB	A/A MP		3	83	83	83	80
12 PHOENIX	2 EC		0.125 LB	A/A MP						
12 AMS	100 SG		2.5 LB	A/A MP						
13 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A MP		0	80	85	83	78
13 SELECT	2 EC		0.094 LB	A/A EP						
13 COC	L		1 QT/A	EP						
14 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A MP		0	83	85	88	83
14 S-3153	57.6 WG		0.018 LB	A/A MP						
14 SELECT	2 EC		0.094 LB	A/A EP						
14 COC	L		1 QT/A	EP						
15 V-10078	4.07 SC		1.018 LB	A/A MP		0	83	83	85	87
15 COC	L		1 QT/A	MP						
15 AMS	100 SG		2.5 LB	A/A MP						
15 SELECT	2 EC		0.094 LB	A/A EP						
15 COC	L		1 QT/A	EP						
16 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A MP		0	85	83	88	85
16 FIRSTRATE	84 W		0.008 LB	A/A MP						
16 SELECT	2 EC		0.094 LB	A/A EP						
16 COC	L		1 QT/A	EP						
17 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP		0	82	87	85	73
18 VALOR	50 WG		0.063 LB	A/A PRE		0	85	82	90	85
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A LP						

Dept. of Agronomy, Univ. of Ky
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SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	ABUTH	AMBTR	IPOSS	
19	SQUADRON	2.33	EC	0.87	LB A/A	PRE	3	83	85	88	88
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP					
20	CHECK						0	0	0	0	0
LSD (P=.05)							3.4	6.3	13.6	14.5	24.1
Standard Deviation							2.1	3.8	8.2	8.8	14.6
CV							352.68	4.82	10.88	11.62	22.87

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702
Planting Date: 05-07-01 Planting Method: ROW
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-15-01

SITE AND DESIGN

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

SOIL DESCRIPTION

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-07-01	05-25-01	05-29-01	06-05-01
Time of Day:	10:00	11:00	10:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	66 F	56 F	63 F	72 F
% Relative Humidity:	83	70	68	79
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	67 F	63 F	69 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA PRE	GLXMA EP	GLXMA MP	GLXMA LP
Height, Unit:		3 IN	4 IN	5 IN

WEED STAGE AT EACH APPLICATION

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

SOYBEAN POSTGEMERGENCE IV

Trial ID: S1017

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg								
1 PHOENIX	2 EC		0.15 LB	A/A MP		0	83	87	80	0	10	85	85
1 SELECT	2 EC		0.094 LB	A/A MP									
1 AMS	100 SG		2.5 LB	A/A MP									
2 PHOENIX	2 EC		0.15 LB	A/A MP		0	85	88	83	0	10	85	85
2 SELECT	2 EC		0.125 LB	A/A MP									
2 AMS	100 SG		2.5 LB	A/A MP									
3 PHOENIX	2 EC		0.15 LB	A/A MP		0	87	88	85	0	85	75	75
3 SELECT	2 EC		0.094 LB	A/A MP									
3 PRO-X	100 L		0.5 QT/A	MP									
4 PHOENIX	2 EC		0.15 LB	A/A MP		0	88	90	90	0	10	25	25
4 SELECT	2 EC		0.125 LB	A/A MP									
4 PRO-X	100 L		0.5 QT/A	MP									
5 PHOENIX	2 EC		0.15 LB	A/A MP		0	87	88	82	0	50	25	25
5 SELECT	2 EC		0.094 LB	A/A MP									
5 SPREADER HF			0.125 %	V/V MP									
6 PHOENIX	2 EC		0.15 LB	A/A MP		0	83	87	82	0	10	25	25
6 SELECT	2 EC		0.125 LB	A/A MP									
6 SPREADER HF			0.125 %	V/V MP									
7 COBRA	2 EC		0.15 LB	A/A MP		0	85	87	85	0	85	85	75
7 SELECT	2 EC		0.125 LB	A/A MP									
7 COC	L		0.5 QT/A	MP									
7 AMS	100 SG		2.5 LB	A/A MP									
8 FLEXSTAR	1.88 CS		0.19 LB	A/A MP		0	88	90	83	0	90	90	85
8 FIRSTRATE	84 W		0.016 LB	A/A MP									
8 SELECT	2 EC		0.125 LB	A/A MP									
8 COC	L		0.5 QT/A	MP									
8 AMS	100 SG		2.5 LB	A/A MP									
9 SELECT	2 EC		0.094 LB	A/A MP		0	90	58	50	0	10	25	25
9 COC	L		1 QT/A	MP									

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SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	ABUTH	IPOSS
10	SELECT	2	EC		0.094	LB A/A	MP	0	85	85	87
10	COBRA	2	EC		0.125	LB A/A	MP				
10	COC		L		1	QT/A	MP				
10	AMS	100	SG		2.5	LB A/A	MP				
11	SELECT	2	EC		0.094	LB A/A	MP	0	87	87	87
11	PHOENIX	2	EC		0.125	LB A/A	MP				
11	AMS	100	SG		2.5	LB A/A	MP				
12	SELECT	2	EC		0.125	LB A/A	MP	0	87	88	83
12	PHOENIX	2	EC		0.125	LB A/A	MP				
12	AMS	100	SG		2.5	LB A/A	MP				
13	ROUNDUP ULTRAMAX	5	SL		1	LB A/A	MP	0	75	90	88
13	SELECT	2	EC		0.094	LB A/A	EP				
13	COC		L		1	QT/A	EP				
14	ROUNDUP ULTRAMAX	5	SL		1	LB A/A	MP	0	85	87	87
14	S-3153	57.6	WG		0.018	LB A/A	MP				
14	SELECT	2	EC		0.094	LB A/A	EP				
14	COC		L		1	QT/A	EP				
15	V-10078	4.07	SC		1.018	LB A/A	MP	0	85	87	87
15	COC		L		1	QT/A	MP				
15	AMS	100	SG		2.5	LB A/A	MP				
15	SELECT	2	EC		0.094	LB A/A	EP				
15	COC		L		1	QT/A	EP				
16	ROUNDUP ULTRAMAX	5	SL		1	LB A/A	MP	0	90	87	87
16	FIRSTRATE	84	W		0.008	LB A/A	MP				
16	SELECT	2	EC		0.094	LB A/A	EP				
16	COC		L		1	QT/A	EP				
17	ROUNDUP ULTRAMAX	5	SL		1	LB A/A	LP	0	92	90	90
18	VALOR	50	WG		0.063	LB A/A	PRE	0	88	88	88
18	ROUNDUP ULTRAMAX	5	SL		1	LB A/A	LP				

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg								
19 SQUADRON	2.33	EC	0.87	LB	A/A PRE	0	93	95	93	0	85	85	85
19 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A LP								
20 CHECK						0	0	0	0	0	0	0	0
LSD (P=.05)						0.0	8.0	19.5	17.4	0.0	0.0	0.0	0.0
Standard Deviation						0.0	4.8	11.8	10.5	0.0	0.0	0.0	0.0
CV						0.0	5.9	14.35	13.21	0.0	0.0	0.0	0.0

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1	PHOENIX	2	EC	0.15	LB A/A	MP	0	10	85	47
1	SELECT	2	EC	0.094	LB A/A	MP				
1	AMS	100	SG	2.5	LB A/A	MP				
2	PHOENIX	2	EC	0.15	LB A/A	MP	0	10	85	65
2	SELECT	2	EC	0.125	LB A/A	MP				
2	AMS	100	SG	2.5	LB A/A	MP				
3	PHOENIX	2	EC	0.15	LB A/A	MP	0	62	75	62
3	SELECT	2	EC	0.094	LB A/A	MP				
3	PRO-X	100	L	0.5	QT/A	MP				
4	PHOENIX	2	EC	0.15	LB A/A	MP	0	10	25	70
4	SELECT	2	EC	0.125	LB A/A	MP				
4	PRO-X	100	L	0.5	QT/A	MP				
5	PHOENIX	2	EC	0.15	LB A/A	MP	0	35	25	55
5	SELECT	2	EC	0.094	LB A/A	MP				
5	SPREADER HF			0.125	% V/V	MP				
6	PHOENIX	2	EC	0.15	LB A/A	MP	0	10	25	63
6	SELECT	2	EC	0.125	LB A/A	MP				
6	SPREADER HF			0.125	% V/V	MP				
7	COBRA	2	EC	0.15	LB A/A	MP	0	57	85	73
7	SELECT	2	EC	0.125	LB A/A	MP				
7	COC		L	0.5	QT/A	MP				
7	AMS	100	SG	2.5	LB A/A	MP				
8	FLEXSTAR	1.88	CS	0.19	LB A/A	MP	0	53	90	82
8	FIRSTRATE	84	W	0.016	LB A/A	MP				
8	SELECT	2	EC	0.125	LB A/A	MP				
8	COC		L	0.5	QT/A	MP				
8	AMS	100	SG	2.5	LB A/A	MP				
9	SELECT	2	EC	0.094	LB A/A	MP	0	10	25	33
9	COC		L	1	QT/A	MP				

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
10	SELECT	2	EC	0.094	LB A/A	MP	0	10	25	73
10	COBRA	2	EC	0.125	LB A/A	MP				
10	COC		L		1 QT/A	MP				
10	AMS	100	SG	2.5	LB A/A	MP				
11	SELECT	2	EC	0.094	LB A/A	MP	0	20	25	68
11	PHOENIX	2	EC	0.125	LB A/A	MP				
11	AMS	100	SG	2.5	LB A/A	MP				
12	SELECT	2	EC	0.125	LB A/A	MP	0	10	10	70
12	PHOENIX	2	EC	0.125	LB A/A	MP				
12	AMS	100	SG	2.5	LB A/A	MP				
13	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP	0	10	25	80
13	SELECT	2	EC	0.094	LB A/A	EP				
13	COC		L		1 QT/A	EP				
14	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP	0	10	45	75
14	S-3153	57.6	WG	0.018	LB A/A	MP				
14	SELECT	2	EC	0.094	LB A/A	EP				
14	COC		L		1 QT/A	EP				
15	V-10078	4.07	SC	1.018	LB A/A	MP	0	50	75	73
15	COC		L		1 QT/A	MP				
15	AMS	100	SG	2.5	LB A/A	MP				
15	SELECT	2	EC	0.094	LB A/A	EP				
15	COC		L		1 QT/A	EP				
16	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	MP	0	48	85	82
16	FIRSTRATE	84	W	0.008	LB A/A	MP				
16	SELECT	2	EC	0.094	LB A/A	EP				
16	COC		L		1 QT/A	EP				
17	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP	0	58	65	90
18	VALOR	50	WG	0.063	LB A/A	PRE	0	53	85	82
18	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
19 SQUADRON	2.33	EC	0.87	LB A/A	PRE	0	57	85	93
19 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
20 CHECK						0	0	0	0
LSD (P=.05)						0.0	8.4	0.0	24.4
Standard Deviation						0.0	5.1	0.0	14.8
CV						0.0	17.51	0.0	22.08

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4702
Planting Date: 05-07-01 **Planting Method:** DRILLED
Rate: 190000 S/A **Depth:** 1.25 IN
Row Spacing: 7.5 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** NORMAL **Emergence Date:** 05-15-01

SITE AND DESIGN

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

SOIL DESCRIPTION

% Sand: 4	% OM: 4	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: LANTON
% Clay: 34	CEC: 25	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	05-07-01	05-25-01	05-29-01	06-05-01
Time of Day:	10:00	11:00	10:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EP	MP	LP
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	66 F	56 F	63 F	72 F
% Relative Humidity:	83	70	68	79
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temp., Unit:	67 F	63 F	69 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20	10

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

SOYBEAN POSTGEMERGENCE V

Trial ID: S1017-2

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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SOYBEAN POSTEMERGENCE VI

Trial ID: S1024

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	IPOSS	CHEAL	AMBTR	SETFA	IPOSS	CHEAL	AMBTR	
1	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	6"W	0	98	90	97	97	0	92	85	95	90
1	AMS	100	SG	2 % W/W	6"W										
2	TOUCHDOWN IQ	4	SL	1 LB A/A	6"W	0	98	88	98	97	0	93	85	92	85
3	EXTREME	2.17	EC	0.814 LB A/A	6"W	2	100	92	100	100	2	95	88	100	100
3	AMS	100	SG	2 % W/W	6"W										
3	ACTIVATOR 90			0.25 % V/V	6"W										
4	GLYPHOMAX PLUS	4	SL	1 LB A/A	6"W	0	98	88	98	98	0	95	80	98	90
5	FIRSTRATE	84	W	0.008 LB A/A	6"W	0	98	92	93	98	0	93	90	87	98
5	ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	6"W										
5	AMS	100	SG	2 % W/W	6"W										
6	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	10"W	0	95	90	97	100	0	92	88	93	95
6	AMS	100	SG	2 % W/W	10"W										
7	TOUCHDOWN IQ	4	SL	1 LB A/A	10"W	0	98	88	98	100	0	95	87	98	100
8	EXTREME	2.17	EC	0.814 LB A/A	10"W	7	100	95	100	100	5	100	95	100	95
8	AMS	100	SG	2 % W/W	10"W										
8	ACTIVATOR 90			0.25 % V/V	10"W										
9	GLYPHOMAX PLUS	4	SL	1 LB A/A	10"W	0	100	90	95	100	0	95	85	95	100
10	FIRSTRATE	84	W	0.008 LB A/A	10"W	0	100	90	95	100	0	98	90	95	100
10	ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	10"W										
10	AMS	100	SG	2 % W/W	10"W										
11	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	16"W	0	98	87	95	100	0	95	78	95	100
11	AMS	100	SG	2 % W/W	16"W										
12	TOUCHDOWN IQ	4	SL	1 LB A/A	16"W	0	98	87	98	98	0	95	82	98	98
13	EXTREME	2.17	EC	0.814 LB A/A	16"W	5	100	85	97	95	0	95	83	97	95
13	AMS	100	SG	2 % W/W	16"W										
13	ACTIVATOR 90			0.25 % V/V	16"W										

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Weed Science Field Research

SOYBEAN POSTEMERGENCE VI

Trial ID: S1024
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	IPOSS	CHEAL	AMBTR	SETFA	IPOSS	CHEAL	AMBTR		
							GLXMA	GLXMA	t							
							INJURY CONTROL	CONTROL	CONTROL	CONTROL	INJURY CONTROL	CONTROL	CONTROL	CONTROL		
							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
							2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS		
							P	P	P	P	P	P	P	P		
							0	0	0	0	0	0	0	0		
Trt Treatment No.	Form Name	Form Conc	Form Type	Rate	Unit	Grow Stg										
14	GLYPHOMAX PLUS	4	SL	1 LB	A/A 16"W		0	100	88	97	92	0	95	82	97	92
15	FIRSTRATE	84	W	0.008 LB	A/A 16"W		2	100	88	97	100	0	95	87	95	97
15	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 16"W											
15	AMS	100	SG	2 %	W/W 16"W											
16	CHECK						0	0	0	0	0	0	0	0	0	0
LSD (P=.05)							2.1	3.6	5.2	5.6	4.9	1.2	2.7	4.6	5.6	4.8
Standard Deviation							1.3	2.1	3.1	3.4	2.9	0.7	1.6	2.8	3.3	2.9
CV							133.33	2.31	3.75	3.69	3.19	173.21	1.79	3.45	3.73	3.18

SOYBEAN POSTEMERGENCE VI

Trial ID: S1024
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
1	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 6"W	0	90	67	90	90
1	AMS	100	SG	2 %	W/W 6"W					
2	TOUCHDOWN IQ	4	SL	1 LB	A/A 6"W	0	90	72	90	85
3	EXTREME	2.17	EC	0.814 LB	A/A 6"W	0	92	88	95	95
3	AMS	100	SG	2 %	W/W 6"W					
3	ACTIVATOR 90			0.25 %	V/V 6"W					
4	GLYPHOMAX PLUS	4	SL	1 LB	A/A 6"W	0	95	77	95	88
5	FIRSTRATE	84	W	0.008 LB	A/A 6"W	0	93	88	68	95
5	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 6"W					
5	AMS	100	SG	2 %	W/W 6"W					
6	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 10"W	0	88	82	93	90
6	AMS	100	SG	2 %	W/W 10"W					
7	TOUCHDOWN IQ	4	SL	1 LB	A/A 10"W	0	92	85	95	92
8	EXTREME	2.17	EC	0.814 LB	A/A 10"W	0	93	95	95	93
8	AMS	100	SG	2 %	W/W 10"W					
8	ACTIVATOR 90			0.25 %	V/V 10"W					
9	GLYPHOMAX PLUS	4	SL	1 LB	A/A 10"W	0	90	85	93	93
10	FIRSTRATE	84	W	0.008 LB	A/A 10"W	0	92	85	93	90
10	ROUNDUP ULTRAMAX	5		0.75 LB	A/A 10"W					
10	AMS	100	SG	2 %	W/W 10"W					
11	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 16"W	0	90	75	93	92
11	AMS	100	SG	2 %	W/W 16"W					
12	TOUCHDOWN IQ	4	SL	1 LB	A/A 16"W	0	90	75	95	90
13	EXTREME	2.17	EC	0.814 LB	A/A 16"W	0	90	83	93	92
13	AMS	100	SG	2 %	W/W 16"W					
13	ACTIVATOR 90			0.25 %	V/V 16"W					

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SOYBEAN POSTEMERGENCE VI

Trial ID: S1024
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
14	GLYPHOMAX PLUS	4	SL	1	LB A/A	16"W	0	90	75	95	88
15	FIRSTRATE	84	W	0.008	LB A/A	16"W	0	87	85	93	90
15	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	16"W					
15	AMS	100	SG	2	% W/W	16"W					
16	CHECK						0	0	0	0	0
LSD (P=.05)							0.0	3.1	3.2	3.2	3.5
Standard Deviation							0.0	1.9	1.9	1.9	2.1
CV							0.0	2.18	2.51	2.22	2.48

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SOYBEAN POSTEMERGENCE VI

Trial ID: S1024 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702
Planting Date: 05-04-01 Planting Method: ROW
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 70 F Soil Moisture: NORMAL Emergence Date: 05-14-01

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 44 FT Reps: 3
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 64	pH: 6.5	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

SOYBEAN POSTEMERGENCE VI

Trial ID: S1024
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C
Application Date:	06-03-01	06-05-01	06-08-01
Time of Day:	10:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	6"W	10"W	16"W
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	58 F	72 F	68 F
% Relative Humidity:	73	79	76
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	63 F	72 F	68 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA 6"W	GLXMA 10"W	GLXMA 16"W
Height, Unit:	4 IN	6 IN	8 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA 6"W	SETFA 10"W	SETFA 16"W
Stage Scale:	3LF	4LF	6LF
Density, Unit:	4 IN	6 IN	8 IN
Weed 2 Code, Stage:	IPOSS 6"W	IPOSS 10"W	IPOSS 16"W
Stage Scale:	4LF	6LF	8LF
Density, Unit:	4 IN	5 IN	7 IN
Weed 3 Code, Stage:	CHEAL 6"W	CHEAL 10"W	CHEAL 16"W
Stage Scale:	4LF	6LF	7LF
Density, Unit:	5 IN	8 IN	9 IN
Weed 4 Code, Stage:	AMBTR 6"W	AMBTR 10"W	AMBTR 16"W
Stage Scale:	8LF	10LF	10LF
Density, Unit:	7 IN	10 IN	11 IN

SOYBEAN POSTEMERGENCE VI

Trial ID: S1024

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR		
1	PROWL	3.3	EC	0.99	LB A/A	2WK	0	98	96	96	0	98	96	96
1	EXTREME	2.17	EC	0.814	LB A/A	2WK								
1	AMS	100	SG	2	% W/W	2WK								
1	SPREADER HF			0.125	% V/V	2WK								
1	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP								
2	PROWL	3.3	EC	0.99	LB A/A	PRE	0	95	95	96	0	95	95	96
2	EXTREME	2.17	EC	0.814	LB A/A	PRE								
2	AMS	100	SG	2	% W/W	PRE								
2	SPREADER HF			0.125	% V/V	PRE								
2	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP								
3	EXTREME	2.17	EC	0.814	LB A/A	2WK	0	99	98	99	0	99	98	99
3	SPREADER HF			0.125	% V/V	2WK								
3	AMS	100	SG	2	% W/W	2WK								
3	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP								
4	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	99	99	99	0	99	99	99
4	SPREADER HF			0.125	% V/V	PRE								
4	AMS	100	SG	2	% W/W	PRE								
4	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP								
5	BACKDRAFT	1.5	E	0.94	LB A/A	2WK	0	98	96	96	0	98	96	96
5	SPREADER HF			0.125	% V/V	2WK								
5	AMS	100	SG	2	% W/W	2WK								
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP								
6	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	98	99	100	0	98	99	100
6	SPREADER HF			0.125	% V/V	PRE								
6	AMS	100	SG	2	% W/W	PRE								
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP								
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	96	98	98	0	96	98	98
7	AMS	100	SG	2	% W/W	2WK								
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP								
7	AMS	100	SG	2	% W/W	28DAP								

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NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg							
8 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	99	100	100	0	99	100	100
8 AMS	100	SG	2 % W/W	2WK								
8 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	21DAP								
8 AMS	100	SG	2 % W/W	21DAP								
8 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	35DAP								
8 AMS	100	SG	2 % W/W	35DAP								
9 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	95	95	99	0	95	95	99
9 PROWL	3.3	EC	0.99 LB A/A	2WK								
9 AMS	100	SG	2 % W/W	2WK								
9 EXTREME	2.17	EC	0.814 LB A/A	21DAP								
9 SPREADER HF			0.125 % V/V	21DAP								
9 AMS	100	SG	2 % W/W	21DAP								
10 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	96	94	95	0	96	94	95
10 AMS	100	SG	2 % W/W	2WK								
10 EXTREME	2.17	EC	0.814 LB A/A	21DAP								
10 SPREADER HF			0.125 % V/V	21DAP								
10 AMS	100	SG	2 % W/W	21DAP								
11 ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	100	99	99	0	100	99	99
11 SQUADRON	2.33	EC	0.87 LB A/A	2WK								
11 AMS	100	SG	2 % W/W	2WK								
11 ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	28DAP								
11 AMS	100	SG	2 % W/W	28DAP								
12 DOMAIN	60	DF	0.38 LB A/A	1WK	0	94	95	96	0	94	95	96
12 WEEDONE LV4	3.8	E	0.5 LB A/A	1WK								
12 COC		L	1 QT/A	1WK								
12 ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	LP								
12 AMS	100	SG	2 % W/W	LP								
13 DOMAIN	60	DF	0.49 LB A/A	1WK	0	98	94	94	0	98	94	94
13 WEEDONE LV4	3.8	E	0.5 LB A/A	1WK								
13 COC		L	1 QT/A	1WK								
13 ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	LP								
13 AMS	100	SG	2 % W/W	LP								

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NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA INJURY	SETFA CONTROL	CHEAL CONTROL	AMBTR CONTROL
14	DOMAIN	60	DF	0.6	LB A/A	1WK	0	96	95	98
14	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
14	COC		L	1	QT/A	1WK				
14	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
14	AMS	100	SG	2	% W/W	LP				
15	SENCOR	75	DF	0.28	LB A/A	1WK	0	93	93	96
15	AUTHORITY	75	DF	0.09	LB A/A	1WK				
15	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
15	COC		L	1	QT/A	1WK				
15	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
15	AMS	100	SG	2	% W/W	LP				
16	SENCOR	75	DF	0.28	LB A/A	1WK	0	99	98	99
16	FIRSTRATE	84	W	0.02	LB A/A	1WK				
16	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
16	COC		L	1	QT/A	1WK				
16	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
16	AMS	100	SG	2	% W/W	LP				
17	SENCOR	75	DF	0.28	LB A/A	1WK	0	98	98	99
17	CANOPY XL									
17	AUTHORITY	75	DF	0.123	LB A/A	1WK				
17	CLASSIC	25	DF	0.02	LB A/A	1WK				
17	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
17	COC		L	1	QT/A	1WK				
17	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
17	AMS	100	SG	2	% W/W	LP				
18	CLARITY	4	E	0.5	LB A/A	2WK	15	96	95	100
18	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK				
18	AMS	100	SG	2	% W/W	2WK				
18	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
18	AMS	100	SG	2	% W/W	LP				

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

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	65	95	90	96	65	95	90	96
19	CLARITY	4 E		0.5 LB	A/A	1WK	65	95	90	96	65	95	90	96
19	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK								
19	AMS	100 SG		2 %	W/W	1WK								
19	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
19	AMS	100 SG		2 %	W/W	LP								
20	CLARITY	4 E		0.25 LB	A/A	1WK	25	93	91	96	15	93	91	96
20	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	1WK								
20	AMS	100 SG		2 %	W/W	1WK								
20	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
20	AMS	100 SG		2 %	W/W	LP								
21	CLARITY	4 E		0.25 LB	A/A	PRE	59	94	90	96	53	94	90	96
21	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE								
21	AMS	100 SG		2 %	W/W	PRE								
21	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
21	AMS	100 SG		2 %	W/W	LP								
22	DISTINCT	70 WG		0.175 LB	A/A	2WK	14	96	94	96	14	96	94	96
22	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
22	AMS	100 SG		2 %	W/W	LP								
23	DISTINCT	70 WG		0.09 LB	A/A	2WK	9	99	99	100	13	99	99	100
23	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
23	AMS	100 SG		2 %	W/W	LP								
24	DISTINCT	70 WG		0.175 LB	A/A	1WK	43	93	91	95	36	93	91	95
24	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
24	AMS	100 SG		2 %	W/W	LP								
25	DISTINCT	70 WG		0.09 LB	A/A	1WK	11	96	96	96	11	96	96	96
25	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	LP								
25	AMS	100 SG		2 %	W/W	LP								
26	ROUNDUP ULTRAMAX	5 SL		1 LB	A/A	PRE	0	96	96	96	0	96	96	96
26	AMS	100 SG		2 %	W/W	PRE								
26	ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A	LP								
26	AMS	100 SG		2 %	W/W	LP								

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR
27 TOUCHDOWN IQ	4	SL	1	LB	A/A PRE	0	100	99	100
27 TOUCHDOWN IQ	4	SL	0.75	LB	A/A LP				
28 GLYPHOMAX PLUS	4	SL	1	LB	A/A PRE	0	96	93	96
28 GLYPHOMAX PLUS	4	SL	0.75	LB	A/A LP				
29 BASAGRAN	4	E	1	LB	A/A LP	0	90	53	96
29 FLEXSTAR	1.88	CS	0.24	LB	A/A LP				
29 COC		L	1	QT/A	LP				
29 WEED MAK									
30 POAST PLUS	1	E	0.25	LB	A/A LP	0	90	28	28
30 BASAGRAN	4	E	1	LB	A/A LP				
30 COC		L	1	QT/A	LP				
30 WEED MAK									
LSD (P=.05)			2.8			4.1	5.6	5.0	2.2
Standard Deviation			2.0			2.9	4.0	3.5	1.5
CV			24.77			3.0	4.34	3.69	20.76

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	AMBTR	
1	PROWL	3.3	EC	0.99	LB A/A	2WK	0	98	96	96
1	EXTREME	2.17	EC	0.814	LB A/A	2WK				
1	AMS	100	SG	2	% W/W	2WK				
1	SPREADER HF			0.125	% V/V	2WK				
1	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
2	PROWL	3.3	EC	0.99	LB A/A	PRE	0	95	95	96
2	EXTREME	2.17	EC	0.814	LB A/A	PRE				
2	AMS	100	SG	2	% W/W	PRE				
2	SPREADER HF			0.125	% V/V	PRE				
2	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
3	EXTREME	2.17	EC	0.814	LB A/A	2WK	0	99	98	99
3	SPREADER HF			0.125	% V/V	2WK				
3	AMS	100	SG	2	% W/W	2WK				
3	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
4	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	99	99	99
4	SPREADER HF			0.125	% V/V	PRE				
4	AMS	100	SG	2	% W/W	PRE				
4	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
5	BACKDRAFT	1.5	E	0.94	LB A/A	2WK	0	98	96	96
5	SPREADER HF			0.125	% V/V	2WK				
5	AMS	100	SG	2	% W/W	2WK				
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
6	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	98	99	100
6	SPREADER HF			0.125	% V/V	PRE				
6	AMS	100	SG	2	% W/W	PRE				
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	96	98	98
7	AMS	100	SG	2	% W/W	2WK				
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP				
7	AMS	100	SG	2	% W/W	28DAP				

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg				
8 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	99	100	100
8 AMS	100 SG		2 % W/W	2WK					
8 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	21DAP					
8 AMS	100 SG		2 % W/W	21DAP					
8 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	35DAP					
8 AMS	100 SG		2 % W/W	35DAP					
9 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	95	95	99
9 PROWL	3.3 EC		0.99 LB A/A	2WK					
9 AMS	100 SG		2 % W/W	2WK					
9 EXTREME	2.17 EC		0.814 LB A/A	21DAP					
9 SPREADER HF			0.125 % V/V	21DAP					
9 AMS	100 SG		2 % W/W	21DAP					
10 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	96	94	95
10 AMS	100 SG		2 % W/W	2WK					
10 EXTREME	2.17 EC		0.814 LB A/A	21DAP					
10 SPREADER HF			0.125 % V/V	21DAP					
10 AMS	100 SG		2 % W/W	21DAP					
11 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	2WK		0	100	99	99
11 SQUADRON	2.33 EC		0.87 LB A/A	2WK					
11 AMS	100 SG		2 % W/W	2WK					
11 ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	28DAP					
11 AMS	100 SG		2 % W/W	28DAP					
12 DOMAIN	60 DF		0.38 LB A/A	1WK		0	94	95	96
12 WEEDONE LV4	3.8 E		0.5 LB A/A	1WK					
12 COC	L		1 QT/A	1WK					
12 ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	LP					
12 AMS	100 SG		2 % W/W	LP					
13 DOMAIN	60 DF		0.49 LB A/A	1WK		0	98	94	94
13 WEEDONE LV4	3.8 E		0.5 LB A/A	1WK					
13 COC	L		1 QT/A	1WK					
13 ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	LP					
13 AMS	100 SG		2 % W/W	LP					

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg				
14	DOMAIN	60	DF	0.6 LB	A/A	1WK	0	96	95	98
14	WEEDONE LV4	3.8	E	0.5 LB	A/A	1WK				
14	COC		L	1 QT/A		1WK				
14	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A	LP				
14	AMS	100	SG	2 %	W/W	LP				
15	SENCOR	75	DF	0.28 LB	A/A	1WK	0	93	93	96
15	AUTHORITY	75	DF	0.09 LB	A/A	1WK				
15	WEEDONE LV4	3.8	E	0.5 LB	A/A	1WK				
15	COC		L	1 QT/A		1WK				
15	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A	LP				
15	AMS	100	SG	2 %	W/W	LP				
16	SENCOR	75	DF	0.28 LB	A/A	1WK	0	99	98	99
16	FIRSTRATE	84	W	0.02 LB	A/A	1WK				
16	WEEDONE LV4	3.8	E	0.5 LB	A/A	1WK				
16	COC		L	1 QT/A		1WK				
16	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A	LP				
16	AMS	100	SG	2 %	W/W	LP				
17	SENCOR	75	DF	0.28 LB	A/A	1WK	0	98	98	99
17	CANOPY XL									
17	AUTHORITY	75	DF	0.123 LB	A/A	1WK				
17	CLASSIC	25	DF	0.02 LB	A/A	1WK				
17	WEEDONE LV4	3.8	E	0.5 LB	A/A	1WK				
17	COC		L	1 QT/A		1WK				
17	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A	LP				
17	AMS	100	SG	2 %	W/W	LP				
18	CLARITY	4	E	0.5 LB	A/A	2WK	5	96	95	100
18	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	2WK				
18	AMS	100	SG	2 %	W/W	2WK				
18	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	LP				
18	AMS	100	SG	2 %	W/W	LP				

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg				
19	CLARITY	4	E	0.5	LB A/A	1WK	54	95	90	96
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK				
19	AMS	100	SG	2	% W/W	1WK				
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
19	AMS	100	SG	2	% W/W	LP				
20	CLARITY	4	E	0.25	LB A/A	1WK	6	93	91	96
20	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK				
20	AMS	100	SG	2	% W/W	1WK				
20	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
20	AMS	100	SG	2	% W/W	LP				
21	CLARITY	4	E	0.25	LB A/A	PRE	44	94	90	96
21	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
21	AMS	100	SG	2	% W/W	PRE				
21	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
21	AMS	100	SG	2	% W/W	LP				
22	DISTINCT	70	WG	0.175	LB A/A	2WK	5	96	94	96
22	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
22	AMS	100	SG	2	% W/W	LP				
23	DISTINCT	70	WG	0.09	LB A/A	2WK	6	99	99	100
23	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
23	AMS	100	SG	2	% W/W	LP				
24	DISTINCT	70	WG	0.175	LB A/A	1WK	28	93	91	95
24	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
24	AMS	100	SG	2	% W/W	LP				
25	DISTINCT	70	WG	0.09	LB A/A	1WK	5	96	96	96
25	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
25	AMS	100	SG	2	% W/W	LP				
26	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	96	96	96
26	AMS	100	SG	2	% W/W	PRE				
26	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
26	AMS	100	SG	2	% W/W	LP				

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg				
27	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	100	99	100
27	TOUCHDOWN IQ	4	SL	0.75	LB A/A	LP				
28	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	96	93	96
28	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	LP				
29	BASAGRAN	4	E	1	LB A/A	LP	0	90	53	96
29	FLEXSTAR	1.88	CS	0.24	LB A/A	LP				
29	COC		L	1	QT/A	LP				
29	WEED MAK									
30	POAST PLUS	1	E	0.25	LB A/A	LP	0	90	28	28
30	BASAGRAN	4	E	1	LB A/A	LP				
30	COC		L	1	QT/A	LP				
30	WEED MAK									
LSD (P=.05)				2.6				4.1	5.6	5.0
Standard Deviation				1.8				2.9	4.0	3.5
CV				36.07				3.0	4.34	3.69

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN **Variety:** ASGROW AG4702
Planting Date: 05-14-01 **Planting Method:** DRILLED
Rate: 200000 S/A **Depth:** 1.25 IN
Row Spacing: 7.5 IN **Seed Bed:** MEDIUM
Soil Temperature: 66 F **Soil Moisture:** NORMAL **Emergence Date:** 05-22-01

SITE AND DESIGN

Plot Width, Unit: 5 FT **Plot Length, Unit:** 33 FT **Reps:** 4
Site Type: FIELD
Tillage Type: NO-TILL **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 4.0	Texture: SILT LOAM
% Silt: 63	pH: 6.5	Soil Name: LANTON
% Clay: 30	CEC: 22	Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 **Unit:** MI

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C	D	E	F	G
Application Date:	05-02-01	05-08-01	05-14-01	06-05-01	06-19-01	06-19-01	06-19-01
Time of Day:	10:00	10:00	1:00	10:00	10:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	1WK	PRE	21DAP	28DAP	35DAP	LP
Applic. Placement:	BROSOI	BROSOI	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	67 F	66 F	60 F	72 F	75 F	75 F	75 F
% Relative Humidity:	69	71	56	79	64	64	64
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	3 MPH	3 MPH	4 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N	N	N	N
Soil Temp., Unit:	66 F	68 F	66 F	70 F	76 F	76 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	20	10	10	10	20	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Code, Stage:	GLXMA 2WK	GLXMA 1WK	GLXMA PRE	GLXMA 21DAP	GLXMA 28DAP	GLXMA 35DAP
Height, Unit:				3 IN	5 IN	5 IN
	G					
Crop 1 Code, Stage:	GLXMA LP					
Height, Unit:	5 IN					

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Code, Stage:	SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA 21DAP	SETFA 28DAP	SETFA 35DAP
Stage Scale:				3LF	4LF	4LF
Density, Unit:				4 IN	5 IN	5 IN
Weed 2 Code, Stage:	CHEAL 2WK	CHEAL 1WK	CHEAL PRE	CHEAL 21DAP	CHEAL 28DAP	CHEAL 35DAP
Stage Scale:				2LF	3LF	3LF
Density, Unit:				3 IN	4 IN	4 IN
Weed 3 Code, Stage:	AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR 21DAP	AMBTR 28DAP	AMBTR 35DAP
Stage Scale:			2LF	4LF	5LF	5LF
Density, Unit:			1 IN	4 IN	5 IN	5 IN

NO TILL SOYBEAN EARLY PREPLANT

Trial ID: S1018

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

G

Weed 1 Code, Stage: SETFA LP

Stage Scale: 4LF

Density, Unit: 5 IN

Weed 2 Code, Stage: CHEAL LP

Stage Scale: 3LF

Density, Unit: 4 IN

Weed 3 Code, Stage: AMBTR LP

Stage Scale: 5LF

Density, Unit: 5 IN

APPLICATION EQUIPMENT

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

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR
1	PROWL	3.3	EC	0.99	LB A/A 2WK		0	99	99	94
1	EXTREME	2.17	EC	0.814	LB A/A 2WK					
1	AMS	100	SG	2	% W/W 2WK					
1	SPREADER HF			0.125	% V/V 2WK					
1	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A 28DAP					
2	PROWL	3.3	EC	0.99	LB A/A PRE		0	100	99	95
2	EXTREME	2.17	EC	0.814	LB A/A PRE					
2	AMS	100	SG	2	% W/W PRE					
2	SPREADER HF			0.125	% V/V PRE					
2	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A 28DAP					
3	EXTREME	2.17	EC	0.814	LB A/A 2WK		0	95	96	99
3	SPREADER HF			0.125	% V/V 2WK					
3	AMS	100	SG	2	% W/W 2WK					
3	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A 28DAP					
4	EXTREME	2.17	EC	0.814	LB A/A PRE		0	96	98	99
4	SPREADER HF			0.125	% V/V PRE					
4	AMS	100	SG	2	% W/W PRE					
4	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A 28DAP					
5	BACKDRAFT	1.5	E	0.94	LB A/A 2WK		0	95	95	100
5	SPREADER HF			0.125	% V/V 2WK					
5	AMS	100	SG	2	% W/W 2WK					
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A 28DAP					
6	BACKDRAFT	1.5	E	0.94	LB A/A PRE		0	95	95	100
6	SPREADER HF			0.125	% V/V PRE					
6	AMS	100	SG	2	% W/W PRE					
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A 28DAP					
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A 2WK		0	96	93	98
7	AMS	100	SG	2	% W/W 2WK					
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A 28DAP					
7	AMS	100	SG	2	% W/W 28DAP					

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MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg					
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	100	98	99	0
8	AMS	100	SG	2	% W/W	2WK					
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	21DAP					
8	AMS	100	SG	2	% W/W	21DAP					
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	35DAP					
8	AMS	100	SG	2	% W/W	35DAP					
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	99	100	98	0
9	PROWL	3.3	EC	0.99	LB A/A	2WK					
9	AMS	100	SG	2	% W/W	2WK					
9	EXTREME	2.17	EC	0.814	LB A/A	21DAP					
9	SPREADER HF			0.125	% V/V	21DAP					
9	AMS	100	SG	2	% W/W	21DAP					
10	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	98	93	98	0
10	AMS	100	SG	2	% W/W	2WK					
10	EXTREME	2.17	EC	0.814	LB A/A	21DAP					
10	SPREADER HF			0.125	% V/V	21DAP					
10	AMS	100	SG	2	% W/W	21DAP					
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	99	100	100	0
11	SQUADRON	2.33	EC	0.87	LB A/A	2WK					
11	AMS	100	SG	2	% W/W	2WK					
11	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
11	AMS	100	SG	2	% W/W	28DAP					
12	DOMAIN	60	DF	0.38	LB A/A	1WK	0	95	94	95	0
12	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK					
12	COC		L	1	QT/A	1WK					
12	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
12	AMS	100	SG	2	% W/W	LP					
13	DOMAIN	60	DF	0.49	LB A/A	1WK	0	98	98	98	0
13	WEEDONE LV4	3.8	E	0.5	LB A/A	1WK					
13	COC		L	1	QT/A	1WK					
13	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP					
13	AMS	100	SG	2	% W/W	LP					

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Rate	Rate Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR	GLXMA	SETFA	CHEAL	AMBTR
14	DOMAIN	60 DF	0.6 LB	A/A 1WK		0	98	95	96	0	98	95	96
14	WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK									
14	COC	L	1 QT/A	1WK									
14	ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP									
14	AMS	100 SG	2 %	W/W LP									
15	SENCOR	75 DF	0.28 LB	A/A 1WK		0	99	93	100	0	99	93	100
15	AUTHORITY	75 DF	0.09 LB	A/A 1WK									
15	WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK									
15	COC	L	1 QT/A	1WK									
15	ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP									
15	AMS	100 SG	2 %	W/W LP									
16	SENCOR	75 DF	0.28 LB	A/A 1WK		0	98	95	100	0	98	95	100
16	FIRSTRATE	84 W	0.02 LB	A/A 1WK									
16	WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK									
16	COC	L	1 QT/A	1WK									
16	ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP									
16	AMS	100 SG	2 %	W/W LP									
17	SENCOR	75 DF	0.28 LB	A/A 1WK		0	98	94	100	0	98	94	100
17	CANOPY XL												
17	AUTHORITY	75 DF	0.123 LB	A/A 1WK									
17	CLASSIC	25 DF	0.02 LB	A/A 1WK									
17	WEEDONE LV4	3.8 E	0.5 LB	A/A 1WK									
17	COC	L	1 QT/A	1WK									
17	ROUNDUP ULTRAMAX	5 SL	0.75 LB	A/A LP									
17	AMS	100 SG	2 %	W/W LP									
18	CLARITY	4 E	0.5 LB	A/A 2WK		30	95	94	96	30	95	94	96
18	ROUNDUP ULTRAMAX	5 SL	1 LB	A/A 2WK									
18	AMS	100 SG	2 %	W/W 2WK									
18	ROUNDUP ULTRAMAX	5 SL	1 LB	A/A LP									
18	AMS	100 SG	2 %	W/W LP									

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	AMBTR	SETFA	CHEAL	AMBTR		
19	CLARITY	4	E	0.5	LB A/A	1WK	66	96	91	95	66	96	91	95
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK								
19	AMS	100	SG	2	% W/W	1WK								
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
19	AMS	100	SG	2	% W/W	LP								
20	CLARITY	4	E	0.25	LB A/A	1WK	51	95	91	95	49	95	91	95
20	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	1WK								
20	AMS	100	SG	2	% W/W	1WK								
20	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
20	AMS	100	SG	2	% W/W	LP								
21	CLARITY	4	E	0.25	LB A/A	PRE	45	95	89	95	45	95	89	95
21	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE								
21	AMS	100	SG	2	% W/W	PRE								
21	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
21	AMS	100	SG	2	% W/W	LP								
22	DISTINCT	70	WG	0.175	LB A/A	2WK	5	94	91	95	8	94	91	95
22	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
22	AMS	100	SG	2	% W/W	LP								
23	DISTINCT	70	WG	0.09	LB A/A	2WK	5	98	95	100	5	98	95	100
23	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
23	AMS	100	SG	2	% W/W	LP								
24	DISTINCT	70	WG	0.175	LB A/A	1WK	18	93	93	94	18	93	93	94
24	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
24	AMS	100	SG	2	% W/W	LP								
25	DISTINCT	70	WG	0.09	LB A/A	1WK	8	95	95	95	8	95	95	95
25	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP								
25	AMS	100	SG	2	% W/W	LP								
26	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	96	94	96	0	96	94	96
26	AMS	100	SG	2	% W/W	PRE								
26	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP								
26	AMS	100	SG	2	% W/W	LP								

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MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR	GLXMA	SETFA	CHEAL	AMBTR
27 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	100	100	100	0	100	100	100
27 TOUCHDOWN IQ	4 SL		0.75 LB	A/A LP									
28 GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE		0	99	94	96	0	99	94	96
28 GLYPHOMAX PLUS	4 SL		0.75 LB	A/A LP									
29 RAPTOR	1 E		0.032 LB	A/A LP		0	89	53	94	0	89	53	94
29 SPREADER HF			0.25 %	V/V LP									
29 LIQUID N	L		1 QT/A	LP									
29 WEED MAK													
30 EXTREME	2.17 EC		0.814 LB	A/A LP		0	90	31	26	0	90	31	26
30 SPREADER HF			0.25 %	V/V LP									
30 AMS	100 SG		2.5 LB	A/A LP									
30 WEED MAK													
LSD (P=.05)			2.5			2.5	3.5	5.0	2.6	2.0	3.5	5.0	2.6
Standard Deviation			1.8			1.8	2.5	3.6	1.8	1.4	2.5	3.6	1.8
CV			23.23			1.91	2.55	3.9	1.91	19.06	2.55	3.9	1.91

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MINIMUM TILL SOYBEAN EARLY PREPLANT

 Trial ID: S1019
 Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR
1	PROWL	3.3	EC	0.99	LB A/A	2WK	0	99	99	94
1	EXTREME	2.17	EC	0.814	LB A/A	2WK				
1	AMS	100	SG	2 %	W/W	2WK				
1	SPREADER HF			0.125 %	V/V	2WK				
1	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
2	PROWL	3.3	EC	0.99	LB A/A	PRE	0	100	99	95
2	EXTREME	2.17	EC	0.814	LB A/A	PRE				
2	AMS	100	SG	2 %	W/W	PRE				
2	SPREADER HF			0.125 %	V/V	PRE				
2	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
3	EXTREME	2.17	EC	0.814	LB A/A	2WK	0	95	96	99
3	SPREADER HF			0.125 %	V/V	2WK				
3	AMS	100	SG	2 %	W/W	2WK				
3	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
4	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	96	98	99
4	SPREADER HF			0.125 %	V/V	PRE				
4	AMS	100	SG	2 %	W/W	PRE				
4	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
5	BACKDRAFT	1.5	E	0.94	LB A/A	2WK	0	95	95	100
5	SPREADER HF			0.125 %	V/V	2WK				
5	AMS	100	SG	2 %	W/W	2WK				
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
6	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	95	95	100
6	SPREADER HF			0.125 %	V/V	PRE				
6	AMS	100	SG	2 %	W/W	PRE				
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP				
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK	0	96	93	98
7	AMS	100	SG	2 %	W/W	2WK				
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP				
7	AMS	100	SG	2 %	W/W	28DAP				

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg				
8	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	100	98	99
8	AMS	100	SG	2 % W/W	2WK				
8	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	21DAP				
8	AMS	100	SG	2 % W/W	21DAP				
8	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	35DAP				
8	AMS	100	SG	2 % W/W	35DAP				
9	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	99	100	98
9	PROWL	3.3	EC	0.99 LB A/A	2WK				
9	AMS	100	SG	2 % W/W	2WK				
9	EXTREME	2.17	EC	0.814 LB A/A	21DAP				
9	SPREADER HF			0.125 % V/V	21DAP				
9	AMS	100	SG	2 % W/W	21DAP				
10	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	98	93	98
10	AMS	100	SG	2 % W/W	2WK				
10	EXTREME	2.17	EC	0.814 LB A/A	21DAP				
10	SPREADER HF			0.125 % V/V	21DAP				
10	AMS	100	SG	2 % W/W	21DAP				
11	ROUNDUP ULTRAMAX	5	SL	1 LB A/A	2WK	0	99	100	100
11	SQUADRON	2.33	EC	0.87 LB A/A	2WK				
11	AMS	100	SG	2 % W/W	2WK				
11	ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	28DAP				
11	AMS	100	SG	2 % W/W	28DAP				
12	DOMAIN	60	DF	0.38 LB A/A	1WK	0	95	94	95
12	WEEDONE LV4	3.8	E	0.5 LB A/A	1WK				
12	COC		L	1 QT/A	1WK				
12	ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	LP				
12	AMS	100	SG	2 % W/W	LP				
13	DOMAIN	60	DF	0.49 LB A/A	1WK	0	98	98	98
13	WEEDONE LV4	3.8	E	0.5 LB A/A	1WK				
13	COC		L	1 QT/A	1WK				
13	ROUNDUP ULTRAMAX	5	SL	0.75 LB A/A	LP				
13	AMS	100	SG	2 % W/W	LP				

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MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg				
14 DOMAIN	60	DF	0.6	LB A/A	1WK	0	98	95	96
14 WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
14 COC		L	1	QT/A	1WK				
14 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
14 AMS	100	SG	2	% W/W	LP				
15 SENCOR	75	DF	0.28	LB A/A	1WK	0	99	93	100
15 AUTHORITY	75	DF	0.09	LB A/A	1WK				
15 WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
15 COC		L	1	QT/A	1WK				
15 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
15 AMS	100	SG	2	% W/W	LP				
16 SENCOR	75	DF	0.28	LB A/A	1WK	0	98	95	100
16 FIRSTRATE	84	W	0.02	LB A/A	1WK				
16 WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
16 COC		L	1	QT/A	1WK				
16 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
16 AMS	100	SG	2	% W/W	LP				
17 SENCOR	75	DF	0.28	LB A/A	1WK	0	98	94	100
17 CANOPY XL									
17 AUTHORITY	75	DF	0.123	LB A/A	1WK				
17 CLASSIC	25	DF	0.02	LB A/A	1WK				
17 WEEDONE LV4	3.8	E	0.5	LB A/A	1WK				
17 COC		L	1	QT/A	1WK				
17 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	LP				
17 AMS	100	SG	2	% W/W	LP				
18 CLARITY	4	E	0.5	LB A/A	2WK	19	95	94	96
18 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	2WK				
18 AMS	100	SG	2	% W/W	2WK				
18 ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LP				
18 AMS	100	SG	2	% W/W	LP				

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg				
19 CLARITY	4 E		0.5 LB A/A	1WK		55	96	91	95
19 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK					
19 AMS	100 SG		2 % W/W	1WK					
19 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
19 AMS	100 SG		2 % W/W	LP					
20 CLARITY	4 E		0.25 LB A/A	1WK		40	95	91	95
20 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	1WK					
20 AMS	100 SG		2 % W/W	1WK					
20 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
20 AMS	100 SG		2 % W/W	LP					
21 CLARITY	4 E		0.25 LB A/A	PRE		34	95	89	95
21 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE					
21 AMS	100 SG		2 % W/W	PRE					
21 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
21 AMS	100 SG		2 % W/W	LP					
22 DISTINCT	70 WG		0.175 LB A/A	2WK		4	94	91	95
22 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
22 AMS	100 SG		2 % W/W	LP					
23 DISTINCT	70 WG		0.09 LB A/A	2WK		1	98	95	100
23 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
23 AMS	100 SG		2 % W/W	LP					
24 DISTINCT	70 WG		0.175 LB A/A	1WK		9	93	93	94
24 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
24 AMS	100 SG		2 % W/W	LP					
25 DISTINCT	70 WG		0.09 LB A/A	1WK		4	95	95	95
25 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	LP					
25 AMS	100 SG		2 % W/W	LP					
26 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		0	96	94	96
26 AMS	100 SG		2 % W/W	PRE					
26 ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	LP					
26 AMS	100 SG		2 % W/W	LP					

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MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	CHEAL	AMBTR
27 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	100	100
27 TOUCHDOWN IQ	4 SL		0.75 LB	A/A LP				
28 GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE		0	99	94
28 GLYPHOMAX PLUS	4 SL		0.75 LB	A/A LP				
29 RAPTOR	1 E		0.032 LB	A/A LP		0	89	53
29 SPREADER HF			0.25 %	V/V LP				
29 LIQUID N	L		1 QT/A	LP				
29 WEED MAK								
30 EXTREME	2.17 EC		0.814 LB	A/A LP		0	90	31
30 SPREADER HF			0.25 %	V/V LP				
30 AMS	100 SG		2.5 LB	A/A LP				
30 WEED MAK								
LSD (P=.05)						2.4	3.5	5.0
Standard Deviation						1.7	2.5	3.6
CV						31.08	2.55	3.9
								2.6
								1.8
								1.91

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702
Planting Date: 05-02-01 Planting Method: DRILLED
Rate: 190000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: MEDIUM
Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-10-01

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 33 FT Reps: 4
Site Type: FIELD
Tillage Type: MINIMUM Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

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

Overall Moisture Conditions: NORMAL
Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: mi

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION DESCRIPTION

	A	B	C	D	E	F	G
Application Date:	05-02-01	05-08-01	05-14-01	06-05-01	06-19-01	06-19-01	06-19-01
Time of Day:	10:00	10:00	10:00	10:00	10:00	1:00	3:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	2WK	1WK	PRE	21DAP	28DAP	35DAP	LP
Applic. Placement:	BROSOI	BROSOI	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	67 F	66 F	60 F	72 F	75 F	75 F	75 F
% Relative Humidity:	69	71	56	79	64	64	64
Wind Velocity, Unit:	3 MPH	4 MPH	3 MPH	4 MPH	3 MPH	3 MPH	3 MPH
Dew Presence (Y/N):	N	N	N	N	N	N	N
Soil Temp., Unit:	66 F	68 F	66 F	70 F	80 F	80 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20	10	10	10	10

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Code, Stage:	GLXMA 2WK	GLXMA 1WK	GLXMA PRE	GLXMA 21DAP	GLXMA 28DAP	GLXMA 35DAP
Height, Unit:				3 IN	5 IN	5 IN
	G					
Crop 1 Code, Stage:	GLXMA LP					
Height, Unit:	5 IN					

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Code, Stage:	SETFA 2WK	SETFA 1WK	SETFA PRE	SETFA 21DAP	SETFA 28DAP	SETFA 35DAP
Stage Scale:				3LF	4LF	4LF
Density, Unit:				4 IN	5 IN	5 IN
Weed 2 Code, Stage:	CHEAL 2WK	CHEAL 1WK	CHEAL PRE	CHEAL 21DAP	CHEAL 28DAP	CHEAL 35DAP
Stage Scale:				2LF	3LF	3LF
Density, Unit:				3 IN	4 IN	4 IN
Weed 3 Code, Stage:	AMBTR 2WK	AMBTR 1WK	AMBTR PRE	AMBTR 21DAP	AMBTR 28DAP	AMBTR 35DAP
Stage Scale:				4LF	5LF	5LF
Density, Unit:				4 IN	5 IN	5 IN

MINIMUM TILL SOYBEAN EARLY PREPLANT

Trial ID: S1019 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

G

Weed 1 Code, Stage: SETFA LP
Stage Scale: 4LF
Density, Unit: 5 IN

Weed 2 Code, Stage: CHEAL LP
Stage Scale: 3LF
Density, Unit: 4 IN

Weed 3 Code, Stage: AMBTR LP
Stage Scale: 5LF
Density, Unit: 5 IN

APPLICATION EQUIPMENT

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

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NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA CONTROL PERCENT	SETFA CONTROL PERCENT	ABUTH CONTROL PERCENT	AMBTR CONTROL PERCENT	IPOSS CONTROL PERCENT	GLXMA INJURY PERCENT	SETFA CONTROL PERCENT	ABUTH CONTROL PERCENT	AMBTR CONTROL PERCENT	IPOSS CONTROL PERCENT
1	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	93	93	90	90	0	90	90	88	85
1	TOUCHDOWN IQ	4	SL		1 LB A/A	PRE										
1	TOUCHDOWN IQ	4	SL		1 LB A/A	21DAP										
2	TOUCHDOWN IQ	4	SL		1 LB A/A	PRE	0	95	90	90	90	0	90	90	90	87
2	TOUCHDOWN IQ	4	SL		1 LB A/A	21DAP										
3	TOUCHDOWN IQ	4	SL		1 LB A/A	PRE	0	90	87	82	82	0	90	85	80	78
3	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP										
3	FUSION	2.66	EC	0.25	LB A/A	21DAP										
3	MSO		L		1 QT/A	21DAP										
3	LIQUID N		L		1 QT/A	21DAP										
4	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	92	90	88	87	0	90	90	88	80
4	TOUCHDOWN IQ	4	SL		1 LB A/A	PRE										
4	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP										
4	FUSION	2.66	EC	0.25	LB A/A	21DAP										
4	MSO		L		1 QT/A	21DAP										
4	LIQUID N		L		1 QT/A	21DAP										
5	PROWL	3.3	EC	0.99	LB A/A	PRE	0	93	90	88	88	0	90	88	83	83
5	EXTREME	2.17	EC	0.814	LB A/A	PRE										
5	SPREADER HF			0.125	% V/V	PRE										
5	AMS	100	SG		2 % W/W	PRE										
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
5	AMS	100	SG		2 % W/W	28DAP										
6	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	95	92	92	92	0	90	92	88	83
6	SPREADER HF			0.125	% V/V	PRE										
6	AMS	100	SG		2 % W/W	PRE										
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
6	AMS	100	SG		2 % W/W	28DAP										
7	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	95	92	92	90	0	92	90	87	90
7	SPREADER HF			0.125	% V/V	PRE										
7	AMS	100	SG		2 % W/W	PRE										
7	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
7	AMS	100	SG		2 % W/W	28DAP										

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	ABUTH	AMBTR	IPOSS	GLXMA	INJURY	SETFA	ABUTH	AMBTR	IPOSS
8	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		0	93	92	92	90	0	90	92	90	83
8	EXTREME	2.17 EC		0.814 LB A/A	21DAP											
8	SPREADER HF			0.125 % V/V	21DAP											
8	AMS	100 SG		2 % W/W	21DAP											
9	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE		0	92	92	88	88	0	92	90	85	88
9	SQUADRON	2.33 EC		0.87 LB A/A	PRE											
9	ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	28DAP											
9	AMS	100 SG		2 % W/W	28DAP											
10	VALOR	50 WG		0.063 LB A/A	PRE		0	92	90	85	85	0	88	90	85	83
10	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE											
10	AMS	100 SG		2 % W/W	PRE											
10	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	28DAP											
10	AMS	100 SG		2 % W/W	28DAP											
11	V-10080	4.25 SC		1.063 LB A/A	PRE		0	92	92	92	88	0	90	92	90	83
11	SPREADER HF			0.25 % V/V	PRE											
11	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	28DAP											
11	AMS	100 SG		2 % W/W	28DAP											
12	AUTHORITY	75 DF		0.117 LB A/A	PRE		0	93	90	88	88	0	87	88	87	87
12	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE											
12	AMS	100 SG		2 % W/W	PRE											
12	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	28DAP											
12	AMS	100 SG		2 % W/W	28DAP											
13	AIM	40 DF		0.008 LB A/A	PRE		0	93	92	92	88	0	90	90	92	87
13	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE											
13	AMS	100 SG		2 % W/W	PRE											
13	ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	28DAP											
13	AMS	100 SG		2 % W/W	28DAP											
14	AIM	40 DF		0.016 LB A/A	PRE		0	92	88	85	83	0	90	88	82	83
14	ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE											
14	AMS	100 SG		2 % W/W	PRE											
14	ROUNDUP ULTRAMAX	5 SL		0.75 LB A/A	28DAP											
14	AMS	100 SG		2 % W/W	28DAP											

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	ABUTH	AMBTR	IPOSS	GLXMA	SETFA	ABUTH	AMBTR	IPOSS
15	AIM	40	DF	0.024	LB A/A	PRE	0	93	93	88	85	0	90	90	88	85
15	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE										
15	AMS	100	SG	2	% W/W	PRE										
15	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
15	AMS	100	SG	2	% W/W	28DAP										
16	AIM	40	DF	0.008	LB A/A	PRE	0	92	92	87	88	0	90	92	87	88
16	COC	L	L	1	QT/A	PRE										
16	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP										
16	AMS	100	SG	2	% W/W	28DAP										
17	AIM	40	DF	0.016	LB A/A	PRE	0	93	92	88	88	0	93	90	83	88
17	COC	L	L	1	QT/A	PRE										
17	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP										
17	AMS	100	SG	2	% W/W	28DAP										
18	AIM	40	DF	0.024	LB A/A	PRE	0	87	80	73	70	0	80	80	73	70
18	COC	L	L	1	QT/A	PRE										
18	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP										
18	AMS	100	SG	2	% W/W	28DAP										
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	95	92	87	87	0	90	92	83	87
19	AMS	100	SG	2	% W/W	PRE										
19	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	28DAP										
19	AMS	100	SG	2	% W/W	28DAP										
20	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	90	87	85	0	90	90	87	83
20	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
21	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	92	92	88	85	0	90	90	85	85
21	AMS	100	SG	2	% W/W	PRE										
21	GLYPHOMAX PLUS	4	SL	1	LB A/A	28DAP										
21	AMS	100	SG	2	% W/W	28DAP										
22	DOMAIN	60	DF	0.38	LB A/A	PRE	0	93	90	87	87	0	88	90	82	87
22	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
22	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	GLXMA	SETFA	ABUTH	AMBTR	IPOSS	GLXMA	SETFA	ABUTH	AMBTR	IPOSS
23	DOMAIN	60	DF	0.49	LB A/A	PRE	0	92	87	85	80	0	88	87	83	78
23	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
23	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
24	DOMAIN	60	DF	0.60	LB A/A	PRE	0	92	88	87	83	0	90	87	87	82
24	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
24	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
25	SENCOR	75	DF	0.28	LB A/A	PRE	0	92	92	90	88	0	88	92	90	85
25	AUTHORITY	75	DF	0.09	LB A/A	PRE										
25	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
25	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
26	SENCOR	75	DF	0.19	LB A/A	PRE	0	93	92	90	88	0	88	92	90	87
26	FIRSTRATE	84	W	0.02	LB A/A	PRE										
26	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
26	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
27	SENCOR	75	DF	0.16	LB A/A	PRE	0	92	92	90	87	0	88	92	90	82
27	CANOPY XL	75	DF	0.123	LB A/A	PRE										
27	AUTHORITY	75	DF	0.123	LB A/A	PRE										
27	CLASSIC	25	DF	0.02	LB A/A	PRE										
27	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
28	CANOPY XL	75	DF	0.123	LB A/A	PRE	0	92	92	90	90	0	88	92	90	87
28	AUTHORITY	75	DF	0.123	LB A/A	PRE										
28	CLASSIC	25	DF	0.025	LB A/A	PRE										
28	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
28	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
29	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	92	92	87	83	0	90	90	85	80
29	FIRSTRATE	84	W	0.008	LB A/A	21DAP										
29	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP										
30	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	88	87	82	82	0	85	87	78	80
30	FIRSTRATE	84	W	0.012	LB A/A	21DAP										
30	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP										

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NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	SETFA	ABUTH	AMBTR	IPOSS	GLXMA INJURY	GLXMA CONTROL	GLXMA CONTROL	GLXMA CONTROL	GLXMA CONTROL	
31	GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE		0	92	92	88	87	0	90	90	82	83
31	FIRSTRATE	84 W		0.016 LB	A/A 21DAP											
31	GLYPHOMAX PLUS	4 SL		0.5 LB	A/A 21DAP											
32	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	93	92	88	83	0	92	90	85	82
32	FIRSTRATE	84 W		0.008 LB	A/A 21DAP											
32	TOUCHDOWN IQ	4 SL		1 LB	A/A 21DAP											
33	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	93	92	88	87	0	90	90	87	85
33	FIRSTRATE	84 W		0.012 LB	A/A 21DAP											
33	TOUCHDOWN IQ	4 SL		1 LB	A/A 21DAP											
34	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	92	90	88	85	0	90	90	88	83
34	FIRSTRATE	84 W		0.016 LB	A/A 21DAP											
34	TOUCHDOWN IQ	4 SL		1 LB	A/A 21DAP											
35	STRONGARM	82.2 WG		0.024 LB	A/A PRE		0	87	85	80	77	0	87	82	80	73
35	GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE											
36	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	88	82	82	70	0	87	82	80	67
36	PHOENIX	2 EC		0.15 LB	A/A 21DAP											
36	SELECT	2 EC		0.094 LB	A/A 21DAP											
36	PRO-X	100 L		0.5 QT/A	21DAP											
37	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	88	83	80	78	0	87	82	78	77
37	PHOENIX	2 EC		0.15 LB	A/A 21DAP											
37	SELECT	2 EC		0.125 LB	A/A 21DAP											
37	PRO-X	100 L		0.5 QT/A	21DAP											
38	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	90	87	85	83	0	90	85	83	83
38	ASSURE II	0.8 EC		0.055 LB	A/A 21DAP											
38	CLASSIC	25 DF		0.008 LB	A/A 21DAP											
38																
39	TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	90	82	80	75	0	90	75	77	75
39	COBRA	2 EC		0.15 LB	A/A 21DAP											
39	SELECT	2 EC		0.125 LB	A/A 21DAP											
39	COC	L		0.5 QT/A	21DAP											
39	AMS	100 SG		2.5 LB	A/A 21DAP											

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Stg	SETFA	ABUTH	AMBTR	IPOSS	SETFA	ABUTH	AMBTR	IPOSS		
40 ROUNDUP ULTRAMAX	5 SL		1 LB A/A	PRE	0	90	87	73	72	0	90	83	73	65
40 AMS	100 SG		2 % W/W	PRE										
40 IFN														
41 TOUCHDOWN IQ	4 SL		1 LB A/A	PRE	0	90	82	73	72	0	88	82	73	72
41 IFN														
42 GRAMOXONE MAX	3 AS		0.65 LB A/A	PRE	0	10	23	12	18	0	10	23	10	18
42 SPREADER HF			0.25 % V/V	PRE										
42 IFN														
43 GRAMOXONE MAX	3 AS		0.65 LB A/A	PRE	0	0	0	0	0	0	0	0	0	0
43 COC	L		1 QT/A	PRE										
43 IFN														
44 CHECK					0	0	0	0	0	0	0	0	0	0
LSD (P=.05)					0.0	4.3	6.1	8.4	10.1	0.0	5.8	7.0	9.6	11.5
Standard Deviation					0.0	2.6	3.7	5.2	6.2	0.0	3.6	4.3	5.9	7.0
CV					0.0	3.04	4.47	6.41	7.82	0.0	4.27	5.17	7.46	9.18

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
1	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	93	93	90	90
1	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
1	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
2	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	90	90	90
2	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
3	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	90	87	82	82
3	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP					
3	FUSION	2.66	EC	0.25	LB A/A	21DAP					
3	MISO		L	1	QT/A	21DAP					
3	LIQUID N		L	1	QT/A	21DAP					
4	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	92	90	88	87
4	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
4	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP					
4	FUSION	2.66	EC	0.25	LB A/A	21DAP					
4	MISO		L	1	QT/A	21DAP					
4	LIQUID N		L	1	QT/A	21DAP					
5	PROWL	3.3	EC	0.99	LB A/A	PRE	0	93	90	88	88
5	EXTREME	2.17	EC	0.814	LB A/A	PRE					
5	SPREADER HF			0.125	% V/V	PRE					
5	AMS	100	SG	2	% W/W	PRE					
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
5	AMS	100	SG	2	% W/W	28DAP					
6	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	95	92	92	92
6	SPREADER HF			0.125	% V/V	PRE					
6	AMS	100	SG	2	% W/W	PRE					
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
6	AMS	100	SG	2	% W/W	28DAP					
7	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	95	92	92	63
7	SPREADER HF			0.125	% V/V	PRE					
7	AMS	100	SG	2	% W/W	PRE					
7	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
7	AMS	100	SG	2	% W/W	28DAP					

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NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
8	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE		0	93	92	92	90
8	EXTREME	2.17	EC	0.814 LB	A/A 21DAP						
8	SPREADER HF			0.125 %	V/V 21DAP						
8	AMS	100	SG	2 %	W/W 21DAP						
9	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE		0	92	92	88	88
9	SQUADRON	2.33	EC	0.87 LB	A/A PRE						
9	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 28DAP						
9	AMS	100	SG	2 %	W/W 28DAP						
10	VALOR	50	WG	0.063 LB	A/A PRE		0	92	90	85	85
10	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
10	AMS	100	SG	2 %	W/W PRE						
10	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 28DAP						
10	AMS	100	SG	2 %	W/W 28DAP						
11	V-10080	4.25	SC	1.063 LB	A/A PRE		0	92	92	92	88
11	SPREADER HF			0.25 %	V/V PRE						
11	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 28DAP						
11	AMS	100	SG	2 %	W/W 28DAP						
12	AUTHORITY	75	DF	0.117 LB	A/A PRE		0	93	90	88	88
12	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
12	AMS	100	SG	2 %	W/W PRE						
12	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 28DAP						
12	AMS	100	SG	2 %	W/W 28DAP						
13	AIM	40	DF	0.008 LB	A/A PRE		0	93	92	92	88
13	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
13	AMS	100	SG	2 %	W/W PRE						
13	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 28DAP						
13	AMS	100	SG	2 %	W/W 28DAP						
14	AIM	40	DF	0.016 LB	A/A PRE		0	92	88	85	83
14	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
14	AMS	100	SG	2 %	W/W PRE						
14	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 28DAP						
14	AMS	100	SG	2 %	W/W 28DAP						

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg					
15 AIM	40	DF	0.024	LB A/A	PRE	0	92	93	88	85
15 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	PRE					
15 AMS	100	SG		2 % W/W	PRE					
15 ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
15 AMS	100	SG		2 % W/W	28DAP					
16 AIM	40	DF	0.008	LB A/A	PRE	0	92	92	87	88
16 COC		L		1 QT/A	PRE					
16 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	28DAP					
16 AMS	100	SG		2 % W/W	28DAP					
17 AIM	40	DF	0.016	LB A/A	PRE	0	93	92	88	88
17 COC		L		1 QT/A	PRE					
17 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	28DAP					
17 AMS	100	SG		2 % W/W	28DAP					
18 AIM	40	DF	0.024	LB A/A	PRE	0	87	80	73	70
18 COC		L		1 QT/A	PRE					
18 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	28DAP					
18 AMS	100	SG		2 % W/W	28DAP					
19 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	PRE	0	95	92	87	87
19 AMS	100	SG		2 % W/W	PRE					
19 ROUNDUP ULTRAMAX	5	SL		1 LB A/A	28DAP					
19 AMS	100	SG		2 % W/W	28DAP					
20 TOUCHDOWN IQ	4	SL		1 LB A/A	PRE	0	93	90	87	85
20 TOUCHDOWN IQ	4	SL		1 LB A/A	28DAP					
21 GLYPHOMAX PLUS	4	SL		1 LB A/A	PRE	0	92	92	88	85
21 AMS	100	SG		2 % W/W	PRE					
21 GLYPHOMAX PLUS	4	SL		1 LB A/A	28DAP					
21 AMS	100	SG		2 % W/W	28DAP					
22 DOMAIN	60	DF	0.38	LB A/A	PRE	0	93	90	87	87
22 TOUCHDOWN IQ	4	SL		1 LB A/A	PRE					
22 TOUCHDOWN IQ	4	SL		1 LB A/A	28DAP					

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
23	DOMAIN	60	DF	0.49	LB A/A	PRE	0	92	87	85	80
23	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
23	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
24	DOMAIN	60	DF	0.60	LB A/A	PRE	0	92	88	87	83
24	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
24	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
25	SENCOR	75	DF	0.28	LB A/A	PRE	0	92	92	90	88
25	AUTHORITY	75	DF	0.09	LB A/A	PRE					
25	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
25	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
26	SENCOR	75	DF	0.19	LB A/A	PRE	0	93	92	90	88
26	FIRSTRATE	84	W	0.02	LB A/A	PRE					
26	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
26	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
27	SENCOR	75	DF	0.16	LB A/A	PRE	0	92	92	90	87
27	CANOPY XL										
27	AUTHORITY	75	DF	0.123	LB A/A	PRE					
27	CLASSIC	25	DF	0.02	LB A/A	PRE					
27	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
28	CANOPY XL						0	92	92	90	90
28	AUTHORITY	75	DF	0.123	LB A/A	PRE					
28	CLASSIC	25	DF	0.025	LB A/A	PRE					
28	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
28	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
29	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	92	92	87	83
29	FIRSTRATE	84	W	0.008	LB A/A	21DAP					
29	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP					
30	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	88	87	82	82
30	FIRSTRATE	84	W	0.012	LB A/A	21DAP					
30	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP					

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
31	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	92	92	88	87
31	FIRSTRATE	84	W	0.016	LB A/A	21DAP					
31	GLYPHOMAX PLUS	4	SL	0.5	LB A/A	21DAP					
32	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	92	88	83
32	FIRSTRATE	84	W	0.008	LB A/A	21DAP					
32	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
33	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	92	88	87
33	FIRSTRATE	84	W	0.012	LB A/A	21DAP					
33	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
34	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	92	90	88	85
34	FIRSTRATE	84	W	0.016	LB A/A	21DAP					
34	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
35	STRONGARM	82.2	WG	0.024	LB A/A	PRE	0	87	85	80	77
35	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE					
36	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	88	82	82	70
36	PHOENIX	2	EC	0.15	LB A/A	21DAP					
36	SELECT	2	EC	0.094	LB A/A	21DAP					
36	PRO-X	100	L	0.5	QT/A	21DAP					
37	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	88	83	80	78
37	PHOENIX	2	EC	0.15	LB A/A	21DAP					
37	SELECT	2	EC	0.125	LB A/A	21DAP					
37	PRO-X	100	L	0.5	QT/A	21DAP					
38	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	90	87	85	83
38	ASSURE II	0.8	EC	0.055	LB A/A	21DAP					
38	CLASSIC	25	DF	0.008	LB A/A	21DAP					
38											
39	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	90	82	80	75
39	COBRA	2	EC	0.15	LB A/A	21DAP					
39	SELECT	2	EC	0.125	LB A/A	21DAP					
39	COC		L	0.5	QT/A	21DAP					
39	AMS	100	SG	2.5	LB A/A	21DAP					

IO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
40	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE		0	90	87	73	72
40	AMS	100	SG	2 %	W/W PRE						
40	IFN										
41	TOUCHDOWN IQ	4	SL	1 LB	A/A PRE		0	90	82	73	72
41	IFN										
42	GRAMOXONE MAX	3	AS	0.65 LB	A/A PRE		0	10	23	10	17
42	SPREADER HF			0.25 %	V/V PRE						
42	IFN										
43	GRAMOXONE MAX	3	AS	0.65 LB	A/A PRE		0	0	0	0	0
43	COC		L	1 QT/A	PRE						
43	IFN										
44	CHECK						0	0	0	0	0
LSD (P=.05)							0.0	4.3	6.1	8.4	15.8
Standard Deviation							0.0	2.6	3.7	5.1	9.7
CV							0.0	3.04	4.48	6.37	12.33

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NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

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

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702
Planting Date: 05-14-01 Planting Method: DRILLED
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: NO-TILL
Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-23-01

SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

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

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

NO-TILL SOYBEAN FULL SEASON

Trial ID: S1020

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:		06-03-01	06-19-01
Time of Day:	10:00	2:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	21DAP	35DAP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	71 F	58 F	75 F
% Relative Humidity:	60	73	73
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	66 F	73 F	78 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEUATE
% Cloud Cover:	10	20	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA PRE	GLXMA 21DAP	GLXMA 35DAP
Height, Unit:		3 IN	5 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA 21DAP	SETFA 35DAP
Stage Scale:		3LF	4LF
Density, Unit:		4 IN	5 IN
Weed 2 Code, Stage:	ABUTH PRE	ABUTH 21DAP	ABUTH 35DAP
Stage Scale:		3LF	6LF
Density, Unit:		4 IN	7 IN
Weed 3 Code, Stage:	AMBTR PRE	AMBTR 21DAP	AMBTR 35DAP
Stage Scale:		4LF	5LF
Density, Unit:		4 IN	5 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS 21DAP	IPOSS 35DAP
Stage Scale:		3LF	5LF
Density, Unit:		2 IN	4 IN

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Location: LEXINGTON, KY.

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APPLICATION EQUIPMENT

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

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR	LACSE	GLXMA	SETFA	CHEAL	AMBTR	LACSE
1	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	100	100	100	95	0	100	100	100	95
1	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
1	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP										
2	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	100	100	95	0	93	100	100	95
2	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP										
3	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	97	58	97	50	0	97	58	97	50
3	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP										
3	FUSION	2.66	EC	0.25	LB A/A	21DAP										
3	MSO		L	1	QT/A	21DAP										
3	LIQUID N		L	1	QT/A	21DAP										
4	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	95	95	95	37	0	95	95	95	37
4	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
4	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP										
4	FUSION	2.66	EC	0.25	LB A/A	21DAP										
4	MSO		L	1	QT/A	21DAP										
4	LIQUID N		L	1	QT/A	21DAP										
5	PROWL	3.3	EC	0.99	LB A/A	PRE	0	100	98	98	95	0	100	98	98	95
5	EXTREME	2.17	EC	0.814	LB A/A	PRE										
5	SPREADER HF			0.125	% V/V	PRE										
5	AMS	100	SG	2	% W/W	PRE										
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
5	AMS	100	SG	2	% W/W	28DAP										
6	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	97	98	98	95	0	97	98	98	95
6	SPREADER HF			0.125	% V/V	PRE										
6	AMS	100	SG	2	% W/W	PRE										
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
6	AMS	100	SG	2	% W/W	28DAP										
7	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	100	100	100	95	0	100	100	100	95
7	SPREADER HF			0.125	% V/V	PRE										
7	AMS	100	SG	2	% W/W	PRE										
7	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP										
7	AMS	100	SG	2	% W/W	28DAP										

Dept. of Agronomy, Univ. of Ky
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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg										
8	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	97	98	97	95	0	97	98	97	95
8	EXTREME	2.17	EC	0.814	LB	A/A 21DAP										
8	SPREADER HF			0.125	%	V/V 21DAP										
8	AMS	100	SG	2	%	W/W 21DAP										
9	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	100	100	100	87	0	100	100	100	87
9	SQUADRON	2.33	EC	0.87	LB	A/A PRE										
9	ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A 28DAP										
9	AMS	100	SG	2	%	W/W 28DAP										
10	VALOR	50	WG	0.063	LB	A/A PRE	0	98	100	98	95	0	98	100	98	95
10	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE										
10	AMS	100	SG	2	%	W/W PRE										
10	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A 28DAP										
10	AMS	100	SG	2	%	W/W 28DAP										
11	V-10080	4.25	SC	1.063	LB	A/A PRE	0	92	95	95	80	0	92	95	95	80
11	SPREADER HF			0.25	%	V/V PRE										
11	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A 28DAP										
11	AMS	100	SG	2	%	W/W 28DAP										
12	AUTHORITY	75	DF	0.117	LB	A/A PRE	0	97	97	100	83	0	97	97	100	83
12	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE										
12	AMS	100	SG	2	%	W/W PRE										
12	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A 28DAP										
12	AMS	100	SG	2	%	W/W 28DAP										
13	AIM	40	DF	0.008	LB	A/A PRE	0	95	95	95	87	0	95	95	95	87
13	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE										
13	AMS	100	SG	2	%	W/W PRE										
13	ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A 28DAP										
13	AMS	100	SG	2	%	W/W 28DAP										
14	AIM	40	DF	0.016	LB	A/A PRE	0	97	98	98	87	0	97	98	98	87
14	ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE										
14	AMS	100	SG	2	%	W/W PRE										
14	ROUNDUP ULTRAMAX	5	SL	0.75	LB	A/A 28DAP										
14	AMS	100	SG	2	%	W/W 28DAP										

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg										
15 AIM	40 DF		0.024 LB	A/A PRE		0	97	95	98	90	0	97	95	98	90
15 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE											
15 AMS	100 SG		2 %	W/W PRE											
15 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A 28DAP											
15 AMS	100 SG		2 %	W/W 28DAP											
16 AIM	40 DF		0.008 LB	A/A PRE		0	95	92	95	50	0	95	92	95	50
16 COC	L		1 QT/A	PRE											
16 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP											
16 AMS	100 SG		2 %	W/W 28DAP											
17 AIM	40 DF		0.016 LB	A/A PRE		0	93	93	93	27	0	93	93	93	27
17 COC	L		1 QT/A	PRE											
17 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP											
17 AMS	100 SG		2 %	W/W 28DAP											
18 AIM	40 DF		0.024 LB	A/A PRE		0	93	92	93	43	0	93	92	93	43
18 COC	L		1 QT/A	PRE											
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP											
18 AMS	100 SG		2 %	W/W 28DAP											
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE		0	95	95	95	90	0	95	95	95	90
19 AMS	100 SG		2 %	W/W PRE											
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP											
19 AMS	100 SG		2 %	W/W 28DAP											
20 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	97	95	95	75	0	97	95	95	75
20 TOUCHDOWN IQ	4 SL		1 LB	A/A 28DAP											
21 GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE		0	95	95	95	95	0	95	95	95	95
21 AMS	100 SG		2 %	W/W PRE											
21 GLYPHOMAX PLUS	4 SL		1 LB	A/A 28DAP											
21 AMS	100 SG		2 %	W/W 28DAP											
22 DOMAIN	60 DF		0.38 LB	A/A PRE		0	95	100	95	95	0	95	100	95	95
22 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE											
22 TOUCHDOWN IQ	4 SL		1 LB	A/A 28DAP											

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Weed Code	Crop Code	Rating Data Type	Rating Unit	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	SETFA	CHEAL	AMBTR	LACSE	SETFA	CHEAL	AMBTR	LACSE		
							GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT	GLXMA INJURY PERCENT		
							2 WEEKS	2 WEEKS	2 WEEKS	2 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS		
							P	P	P	P	P	P	P	P	P	
							0	0	0	0	0	0	0	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg										
23	DOMAIN	60	DF	0.49	LB A/A	PRE	0	95	100	95	92	0	95	100	95	92
23	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
23	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
24	DOMAIN	60	DF	0.60	LB A/A	PRE	0	97	100	97	95	0	97	100	97	95
24	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
24	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
25	SENCOR	75	DF	0.28	LB A/A	PRE	0	95	98	100	88	0	95	98	100	88
25	AUTHORITY	75	DF	0.09	LB A/A	PRE										
25	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
25	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
26	SENCOR	75	DF	0.19	LB A/A	PRE	0	98	98	100	40	0	98	98	100	40
26	FIRSTRATE	84	W	0.02	LB A/A	PRE										
26	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
26	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
27	SENCOR	75	DF	0.16	LB A/A	PRE	0	97	98	100	88	0	97	98	100	88
27	CANOPY XL															
27	AUTHORITY	75	DF	0.123	LB A/A	PRE										
27	CLASSIC	25	DF	0.02	LB A/A	PRE										
27	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
28	CANOPY XL						0	95	98	100	95	0	95	98	100	95
28	AUTHORITY	75	DF	0.123	LB A/A	PRE										
28	CLASSIC	25	DF	0.025	LB A/A	PRE										
28	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE										
28	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP										
29	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	90	92	95	95	0	90	92	95	95
29	FIRSTRATE	84	W	0.008	LB A/A	21DAP										
29	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP										
30	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	93	95	95	95	0	93	95	95	95
30	FIRSTRATE	84	W	0.012	LB A/A	21DAP										
30	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP										

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg									
31 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE	0	95	95	95	95	0	95	95	95
31 FIRSTRATE	84 W		0.016 LB	A/A	21DAP									
31 GLYPHOMAX PLUS	4 SL		0.5 LB	A/A	21DAP									
32 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	97	95	97	95	0	97	95	97
32 FIRSTRATE	84 W		0.008 LB	A/A	21DAP									
32 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP									
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	93	95	97	95	0	93	95	97
33 FIRSTRATE	84 W		0.012 LB	A/A	21DAP									
33 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP									
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	93	95	93	0	95	93	95
34 FIRSTRATE	84 W		0.016 LB	A/A	21DAP									
34 TOUCHDOWN IQ	4 SL		1 LB	A/A	21DAP									
35 STRONGARM	82.2 WG		0.024 LB	A/A	PRE	0	57	73	95	50	0	57	73	95
35 GLYPHOMAX PLUS	4 SL		1 LB	A/A	PRE									
36 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	63	97	47	0	95	63	97
36 PHOENIX	2 EC		0.15 LB	A/A	21DAP									
36 SELECT	2 EC		0.094 LB	A/A	21DAP									
36 PRO-X	100 L		0.5 QT/A		21DAP									
37 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	68	95	47	0	95	68	95
37 PHOENIX	2 EC		0.15 LB	A/A	21DAP									
37 SELECT	2 EC		0.125 LB	A/A	21DAP									
37 PRO-X	100 L		0.5 QT/A		21DAP									
38 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	93	72	93	43	0	93	72	93
38 ASSURE II	0.8 EC		0.055 LB	A/A	21DAP									
38 CLASSIC	25 DF		0.008 LB	A/A	21DAP									
38														
39 TOUCHDOWN IQ	4 SL		1 LB	A/A	PRE	0	95	70	95	43	0	95	70	95
39 COBRA	2 EC		0.15 LB	A/A	21DAP									
39 SELECT	2 EC		0.125 LB	A/A	21DAP									
39 COC	L		0.5 QT/A		21DAP									
39 AMS	100 SG		2.5 LB	A/A	21DAP									

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	AMBTR	LACSE	GLXMA	SETFA	CHEAL	AMBTR	LACSE	
40	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A	PRE	0	0	0	0	23	0	0	0	23	
40	AMS	100	SG	2 %	W/W	PRE										
40	IFN															
41	TOUCHDOWN IQ	4	SL	1 LB	A/A	PRE	0	0	0	0	78	0	0	0	78	
41	IFN															
42	GRAMOXONE MAX	3	AS	0.65 LB	A/A	PRE	0	0	0	0	78	0	0	0	78	
42	SPREADER HF			0.25 %	V/V	PRE										
42	IFN															
43	GRAMOXONE MAX	3	AS	0.65 LB	A/A	PRE	0	0	0	0	23	0	0	0	23	
43	COC		L	1	QT/A	PRE										
43	IFN															
44	CHECK						0	0	0	0	37	0	0	0	37	
LSD (P=.05)							0.0	3.9	5.0	2.7	8.9	0.0	3.9	5.0	2.7	8.9
Standard Deviation							0.0	2.4	3.1	1.6	5.5	0.0	2.4	3.1	1.6	5.5
CV							0.0	2.82	3.75	1.91	7.34	0.0	2.82	3.75	1.91	7.34

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	GLXMA	SETFA	CHEAL	AMBTR	LACSE
1	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	100	100	100	100
1	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
1	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
2	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	100	100	100
2	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
3	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	97	58	97	97
3	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP					
3	FUSION	2.66	EC	0.25	LB A/A	21DAP					
3	MISO		L	1	QT/A	21DAP					
3	LIQUID N		L	1	QT/A	21DAP					
4	BOUNDRY	7.8	EC	1.22	LB A/A	PRE	0	95	95	95	95
4	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
4	FLEXSTAR	1.88	CS	0.353	LB A/A	21DAP					
4	FUSION	2.66	EC	0.25	LB A/A	21DAP					
4	MISO		L	1	QT/A	21DAP					
4	LIQUID N		L	1	QT/A	21DAP					
5	PROWL	3.3	EC	0.99	LB A/A	PRE	0	100	98	98	100
5	EXTREME	2.17	EC	0.814	LB A/A	PRE					
5	SPREADER HF			0.125	% V/V	PRE					
5	AMS	100	SG	2	% W/W	PRE					
5	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
5	AMS	100	SG	2	% W/W	28DAP					
6	EXTREME	2.17	EC	0.814	LB A/A	PRE	0	97	98	98	100
6	SPREADER HF			0.125	% V/V	PRE					
6	AMS	100	SG	2	% W/W	PRE					
6	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
6	AMS	100	SG	2	% W/W	28DAP					
7	BACKDRAFT	1.5	E	0.94	LB A/A	PRE	0	100	100	100	100
7	SPREADER HF			0.125	% V/V	PRE					
7	AMS	100	SG	2	% W/W	PRE					
7	ROUNDUP ULTRAMAX	5	SL	0.75	LB A/A	28DAP					
7	AMS	100	SG	2	% W/W	28DAP					

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
8	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE		0	97	98	97	100
8	EXTREME	2.17	EC	0.814 LB	A/A 21DAP						
8	SPREADER HF			0.125 %	V/V 21DAP						
8	AMS	100	SG	2 %	W/W 21DAP						
9	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE		0	100	100	100	98
9	SQUADRON	2.33	EC	0.87 LB	A/A PRE						
9	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 28DAP						
9	AMS	100	SG	2 %	W/W 28DAP						
10	VALOR	50	WG	0.063 LB	A/A PRE		0	98	100	98	100
10	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
10	AMS	100	SG	2 %	W/W PRE						
10	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 28DAP						
10	AMS	100	SG	2 %	W/W 28DAP						
11	V-10080	4.25	SC	1.063 LB	A/A PRE		0	92	95	95	97
11	SPREADER HF			0.25 %	V/V PRE						
11	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 28DAP						
11	AMS	100	SG	2 %	W/W 28DAP						
12	AUTHORITY	75	DF	0.117 LB	A/A PRE		0	97	97	100	97
12	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
12	AMS	100	SG	2 %	W/W PRE						
12	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A 28DAP						
12	AMS	100	SG	2 %	W/W 28DAP						
13	AIM	40	DF	0.008 LB	A/A PRE		0	95	95	95	97
13	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
13	AMS	100	SG	2 %	W/W PRE						
13	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 28DAP						
13	AMS	100	SG	2 %	W/W 28DAP						
14	AIM	40	DF	0.016 LB	A/A PRE		0	97	98	98	95
14	ROUNDUP ULTRAMAX	5	SL	1 LB	A/A PRE						
14	AMS	100	SG	2 %	W/W PRE						
14	ROUNDUP ULTRAMAX	5	SL	0.75 LB	A/A 28DAP						
14	AMS	100	SG	2 %	W/W 28DAP						

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg					
15 AIM	40 DF		0.024 LB	A/A PRE		0	97	95	98	97
15 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE						
15 AMS	100 SG		2 % W/W	PRE						
15 ROUNDUP ULTRAMAX	5 SL		0.75 LB	A/A 28DAP						
15 AMS	100 SG		2 % W/W	28DAP						
16 AIM	40 DF		0.008 LB	A/A PRE		0	95	92	95	97
16 COC	L		1 QT/A	PRE						
16 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP						
16 AMS	100 SG		2 % W/W	28DAP						
17 AIM	40 DF		0.016 LB	A/A PRE		0	93	93	93	97
17 COC	L		1 QT/A	PRE						
17 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP						
17 AMS	100 SG		2 % W/W	28DAP						
18 AIM	40 DF		0.024 LB	A/A PRE		0	93	92	93	95
18 COC	L		1 QT/A	PRE						
18 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP						
18 AMS	100 SG		2 % W/W	28DAP						
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A PRE		0	95	95	95	95
19 AMS	100 SG		2 % W/W	PRE						
19 ROUNDUP ULTRAMAX	5 SL		1 LB	A/A 28DAP						
19 AMS	100 SG		2 % W/W	28DAP						
20 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE		0	97	95	95	95
20 TOUCHDOWN IQ	4 SL		1 LB	A/A 28DAP						
21 GLYPHOMAX PLUS	4 SL		1 LB	A/A PRE		0	95	95	95	98
21 AMS	100 SG		2 % W/W	PRE						
21 GLYPHOMAX PLUS	4 SL		1 LB	A/A 28DAP						
21 AMS	100 SG		2 % W/W	28DAP						
22 DOMAIN	60 DF		0.38 LB	A/A PRE		0	95	100	95	100
22 TOUCHDOWN IQ	4 SL		1 LB	A/A PRE						
22 TOUCHDOWN IQ	4 SL		1 LB	A/A 28DAP						

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
23	DOMAIN	60	DF	0.49	LB A/A	PRE	0	95	100	95	100
23	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
23	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
24	DOMAIN	60	DF	0.60	LB A/A	PRE	0	97	100	97	100
24	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
24	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
25	SENCOR	75	DF	0.28	LB A/A	PRE	0	95	98	100	95
25	AUTHORITY	75	DF	0.09	LB A/A	PRE					
25	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
25	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
26	SENCOR	75	DF	0.19	LB A/A	PRE	0	98	98	100	95
26	FIRSTRATE	84	W	0.02	LB A/A	PRE					
26	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
26	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
27	SENCOR	75	DF	0.16	LB A/A	PRE	0	97	98	100	95
27	CANOPY XL										
27	AUTHORITY	75	DF	0.123	LB A/A	PRE					
27	CLASSIC	25	DF	0.02	LB A/A	PRE					
27	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
28	CANOPY .XL						0	95	98	100	100
28	AUTHORITY	75	DF	0.123	LB A/A	PRE					
28	CLASSIC	25	DF	0.025	LB A/A	PRE					
28	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE					
28	TOUCHDOWN IQ	4	SL	1	LB A/A	28DAP					
29	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	90	92	95	100
29	FIRSTRATE	84	W	0.008	LB A/A	21DAP					
29	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP					
30	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	93	95	95	100
30	FIRSTRATE	84	W	0.012	LB A/A	21DAP					
30	GLYPHOMAX PLUS	4	SL	0.75	LB A/A	21DAP					

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021
Location: LEXINGTON, KY.Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg					
31	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE	0	95	95	95	100
31	FIRSTRATE	84	W	0.016	LB A/A	21DAP					
31	GLYPHOMAX PLUS	4	SL	0.5	LB A/A	21DAP					
32	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	97	95	97	100
32	FIRSTRATE	84	W	0.008	LB A/A	21DAP					
32	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
33	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	95	97	100
33	FIRSTRATE	84	W	0.012	LB A/A	21DAP					
33	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
34	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	93	95	98
34	FIRSTRATE	84	W	0.016	LB A/A	21DAP					
34	TOUCHDOWN IQ	4	SL	1	LB A/A	21DAP					
35	STRONGARM	82.2	WG	0.024	LB A/A	PRE	0	57	73	95	95
35	GLYPHOMAX PLUS	4	SL	1	LB A/A	PRE					
36	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	63	97	95
36	PHOENIX	2	EC	0.15	LB A/A	21DAP					
36	SELECT	2	EC	0.094	LB A/A	21DAP					
36	PRO-X	100	L	0.5	QT/A	21DAP					
37	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	68	95	95
37	PHOENIX	2	EC	0.15	LB A/A	21DAP					
37	SELECT	2	EC	0.125	LB A/A	21DAP					
37	PRO-X	100	L	0.5	QT/A	21DAP					
38	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	93	72	93	95
38	ASSURE II	0.8	EC	0.055	LB A/A	21DAP					
38	CLASSIC	25	DF	0.008	LB A/A	21DAP					
38											
39	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	95	70	95	95
39	COBRA	2	EC	0.15	LB A/A	21DAP					
39	SELECT	2	EC	0.125	LB A/A	21DAP					
39	COC		L	0.5	QT/A	21DAP					
39	AMS	100	SG	2.5	LB A/A	21DAP					

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021
Location: LEXINGTON, KY.

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	CHEAL	AMBTR	LACSE
40	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	0	0	95
40	AMS	100	SG	2	% W/W	PRE				
40	IFN									
41	TOUCHDOWN IQ	4	SL	1	LB A/A	PRE	0	0	0	95
41	IFN									
42	GRAMOXONE MAX	3	AS	0.65	LB A/A	PRE	0	0	0	95
42	SPREADER HF			0.25	% V/V	PRE				
42	IFN									
43	GRAMOXONE MAX	3	AS	0.65	LB A/A	PRE	0	0	0	95
43	COC		L	1	QT/A	PRE				
43	IFN									
44	CHECK						0	0	0	95
	LSD (P=.05)						0.0	3.9	5.0	2.1
	Standard Deviation						0.0	2.4	3.1	1.3
	CV						0.0	2.82	3.75	1.34

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
3.	CHEAL LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
4.	LACSE LETTUCE, PRICKLY	LACTUCA SERRIOLA L./TORN.

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG4702
Planting Date: 05-14-01 Planting Method: DRILLED
Rate: 200000 S/A Depth: 1.25 IN
Row Spacing: 7.5 IN Seed Bed: MEDIUM
Soil Temperature: 66 F Soil Moisture: NORMAL Emergence Date: 05-23-01

SITE AND DESIGN

Plot Width, Unit: 6.66 FT Plot Length, Unit: 44 FT Reps: 3
Site Type: FIELD
Tillage Type: NO-TILL Study Design: SPLIT-BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.8	Texture: SILT LOAM
% Silt: 62	pH: 6.4	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: EXCELLENT

NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021 Study Dir.: CHARLES H. SLACK
 Location: LEXINGTON, KY. Investigator: Charles Slack

Overall Moisture Conditions: NORMAL
 Closest Weather Station: SPINDLETOP

Distance: 1.5 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-15-01	06-03-01	06-19-01
Time of Day:	10:00	1:00	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	21DAP	28DAP
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	71 F	58 F	75 F
% Relative Humidity:	60	73	64
Wind Velocity, Unit:	3 MPH	4 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	66 F	63 F	80 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	20	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA PRE	GLXMA 21DAP	GLXMA 28DAP
Height, Unit:		5 IN	8 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PRE	SETFA 21DAP	SETFA 28DAP
Stage Scale:		3LF	5LF
Density, Unit:		4 IN	10 IN
Weed 2 Code, Stage:	AMBTR PRE	AMBTR 21DAP	AMBTR 28DAP
Stage Scale:		4LF	10LF
Density, Unit:		4 IN	15 IN
Weed 3 Code, Stage:	CHEAL PRE	CHEAL 21DAP	CHEAL 28DAP
Stage Scale:		4LF	8LF
Density, Unit:		6 IN	10 IN
Weed 4 Code, Stage:	LACSE PRE	LACSE 21DAP	LACSE 28DAP
Stage Scale:		12LF	25LF
Density, Unit:		15 IN	28 IN

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NO-TILL SOYBEAN FULL SEASON II

Trial ID: S1021

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

NO-TILL CORN SYSTEM 1

Trial ID: C1140
Location: PRINCETON, KY

Study Dir.: JAMES MARTIN
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	DIGSA	SORHA	AMACH	IPOSS	
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	63	40	80	80
1	HARNESH XTRA	5.6	EC	3.36	LB A/A	PRE					
1	AMS	100	SG	1.5	% W/W	PRE					
1	MON 12075	67.5	WG	0.169	LB A/A	LMP					
1	SPREADER HF			0.25	% V/V	LMP					
1	AMS	100	SG	1.5	% W/W	LMP					
1	8362 IT										
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	53	70	93	90
2	AMS	100	SG	1.5	% W/W	PRE					
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE					
2	EXCEED	57	DF	0.036	LB A/A	LMP					
2	COC		L	1	QT/A	LMP					
2	AMS	100	SG	1.5	% W/W	LMP					
2	8362 IT										
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	85	70	85	85
3	AMS	100	SG	1.5	LB A/A	PRE					
3	AATREX	4	F	1	LB A/A	PRE					
3	LIGHTNING	70	DG	0.056	LB A/A	LMP					
3	COC		L	1	QT/A	LMP					
3	AMS	100	SG	1.5	% W/W	LMP					
3	8362 IT										
4	8362 IT (BUFFER STRIP)						0	0	0	0	0
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	65	85	65	65
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE					
5	AMS	100	SG	1.5	LB A/A	PRE					
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP					
5	AMS	100	SG	1.5	% W/W	LMP					
5	64-10										
6	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	68	88	73	80
6	AMS	100	SG	1.5	LB A/A	PRE					
6	READYMASTER ATZ	4	SC	2	LB A/A	LMP					
6	AMS	100	SG	1.5	% W/W	LMP					
6	64-10										

NO-TILL CORN SYSTEM 1

Trial ID: C1140
Location: PRINCETON, KYStudy Dir.: JAMES MARTIN
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	DIGSA	SORHA	AMACH	IPOSS	
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	65	18	73	70
7	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE					
7	AMS	100	SG	1.5	% W/W	PRE					
7	MON 12075	67.5	WG	0.169	LB A/A	LMP					
7	SPREADER HF			0.25	% V/V	LMP					
7	AMS	100	SG	1.5	% W/W	LMP					
7	64-10										
8	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	60	65	78	85
8	AMS	100	SG	1.5	% W/W	PRE					
8	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE					
8	EXCEED	57	DF	0.036	LB A/A	LMP					
8	COC		L	1	QT/A	LMP					
8	AMS	100	SG	1.5	% W/W	LMP					
8	64-10										
9	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	48	93	75	75
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE					
9	AMS	100	SG	1.5	LB A/A	PRE					
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP					
9	AMS	100	SG	1.5	% W/W	LMP					
9	738RR										
10	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	58	90	65	65
10	AMS	100	SG	1.5	LB A/A	PRE					
10	READYMASTER ATZ	4	SC	2	LB A/A	LMP					
10	AMS	100	SG	1.5	% W/W	LMP					
10	738RR										
11	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE	0	65	55	78	78
11	HARNESS XTRA	5.6	EC	3.36	LB A/A	PRE					
11	AMS	100	SG	1.5	% W/W	PRE					
11	MON 12075	67.5	WG	0.169	LB A/A	LMP					
11	SPREADER HF			0.25	% V/V	LMP					
11	AMS	100	SG	1.5	% W/W	LMP					
11	738RR										

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NO-TILL CORN SYSTEM 1

Trial ID: C1140
Location: PRINCETON, KY

Study Dir.: JAMES MARTIN
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	DIGSA	SORHA	AMACH	IPOSS
12 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	68	68	85
12 AMS	100	SG	1.5	%	W/W PRE				
12 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE				
12 EXCEED	57	DF	0.036	LB	A/A LMP				
12 COC		L	1	QT/A	LMP				
12 AMS	100	SG	1.5	%	W/W LMP				
12 738RR									
13 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	0	0	0
13 AMS	100	SG	1.5	%	W/W PRE				
13 738RR (BUFFER STRIP)									
14 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	75	0	85
14 HARNESS XTRA	5.6	EC	3.36	LB	A/A PRE				
14 AMS	100	SG	1.5	%	W/W PRE				
14 MON 12075	67.5	WG	0.169	LB	A/A LMP				
14 SPREADER HF			0.25	%	V/V LMP				
14 AMS	100	SG	1.5	%	W/W LMP				
14 8481 IT									
15 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	58	75	93
15 AMS	100	SG	1.5	%	W/W PRE				
15 BICEP II MAGNUM	5.5	L	2.89	LB	A/A PRE				
15 EXCEED	57	DF	0.036	LB	A/A LMP				
15 COC		L	1	QT/A	LMP				
15 AMS	100	SG	1.5	%	W/W LMP				
15 8481 IT									
16 ROUNDUP ULTRAMAX	5	SL	1	LB	A/A PRE	0	65	85	93
16 AMS	100	SG	1.5	LB	A/A PRE				
16 AATREX	4	F	1	LB	A/A PRE				
16 LIGHTNING	70	DG	0.056	LB	A/A LMP				
16 COC		L	1	QT/A	LMP				
16 AMS	100	SG	1.5	%	W/W LMP				
16 8481 IT									
LSD (P=.05)						0.0	23.4	27.4	13.1
Standard Deviation						0.0	16.4	19.2	9.2
CV						0.0	29.35	34.09	13.17

NO-TILL CORN SYSTEM 1

Trial ID: C1140
Location: PRINCETON, KYStudy Dir.: JAMES MARTIN
Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: JAMES MARTIN
Affiliation: UNIVERSITY OF KENTUCKY
Investigator: Charles Slack
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546

TRIAL LOCATION

City: PRINCETON
State/Prov.: KY
Country: USA
Trial Status: COMPLETE
Initiation Date: 04-18-01Conducted Under GLP (Y/N): N
Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	DIGSA CRABGRASS, LARGE	DIGITARIA SANGUINALIS (L.) SCOP.
2.	SORHA JOHNSONGRASS	SORGHUM HALEPENSE
3.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.
4.	IPOSS MORNINGGLORY, IPOMOEA SP.	IPOMOEA SP.

Crop 1: ZEAMX CORN, FIELD
Planting Date: 04-18-01
Rate: 28000 S/A
Row Spacing: 30 IN
Soil Temperature: 58 F

Variety: GARST 8541IT
Planting Method: ROW
Depth: 1.5 IN
Seed Bed: MEDIUM
Soil Moisture: NORMAL
Emergence Date: 04-24-01

Crop 2: ZEAMX CORN, FIELD
Planting Date: 04-18-01
Rate: 28000 S/A
Row Spacing: 30 IN
Soil Temperature: 58 F

Variety: GARST 8581IT
Planting Method: ROW
Depth: 1.5 IN
Seed Bed: MEDIUM
Soil Moisture: NORMAL
Emergence Date: 04-24-01

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NO-TILL CORN SYSTEM 1

Trial ID: C1140
Location: PRINCETON, KY

Study Dir.: JAMES MARTIN
Investigator: Charles Slack

Crop 3: ZEAMX CORN, FIELD **Variety:** DEKALB DKC64-10
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

Crop 4: ZEAMX CORN, FIELD **Variety:** ASGROW RX740RR
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 33 FT **Reps:** 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 25 **% OM:** 1.2 **Texture:** SILT LOAM
% Silt: 47 **pH:** 6.5 **Soil Name:** CRIDER
% Clay: 28 **Fert. Level:** EXCELLEMT

Overall Moisture Conditions: NORMAL
Closest Weather Station: PRINCETON

Distance: 0.5 **Unit:** MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-19-01	05-15-01
Time of Day:	11:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	68 F
% Relative Humidity:	61	70
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	72 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

NO-TILL CORN SYSTEM 1

Trial ID: C1140

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	DIGSA PRE	DIGSA LMP
Stage Scale:		3LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	SORHA PRE	SORHA LMP
Stage Scale:		5LF
Density, Unit:		10 IN
Weed 3 Code, Stage:	AMACH PRE	AMACH LMP
Stage Scale:		3LF
Density, Unit:		4 IN
Weed 4 Code, Stage:	IPOSS PRE	IPOSS LMP
Stage Scale:		3LF
Density, Unit:		4 IN

NO-TILL CORN SYSTEM 1

Trial ID: C1140

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142
Location: PRINCETON, KY.

Study Dir.: JAMES MARTIN
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	XANST	AMBTR	IPOHE	
1	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	3	78	68	80
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
1	AMS	100	SG	1.5	% W/W	PRE				
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP				
1	AMS	100	SG	1.5	% W/W	LMP				
1	DK 626									
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	3	98	90	97
2	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
2	AMS	100	SG	1.5	% W/W	PRE				
2	EXCEED	57	DF	0.036	LB A/A	LMP				
2	COC		L	1	QT/A	LMP				
2	AMS	100	SG	1.5	% W/W	LMP				
2	DK 626									
3	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	78	70	75
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
3	AMS	100	SG	1.5	% W/W	PRE				
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP				
3	AMS	100	SG	1.5	% W/W	LMP				
3	DKC 64-10									
4	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	3	85	83	85
4	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
4	AMS	100	SG	1.5	% W/W	PRE				
4	EXCEED	57	DF	0.036	LB A/A	LMP				
4	COC		L	1	QT/A	LMP				
4	AMS	100	SG	1.5	% W/W	LMP				
4	DKC 64-10									
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	3	70	65	65
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	PRE				
5	AMS	100	SG	1.5	% W/W	PRE				
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP				
5	AMS	100	SG	1.5	% W/W	LMP				
5	RX740RR									

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: JAMES MARTIN
Affiliation: UNIVERSITY OF KENTUCKY
Investigator: Charles Slack
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546

TRIAL LOCATION

City: PRINCETON **Trial Status:** COMPLETE
State/Prov.: KY
Initiation Date: 04-18-01
Country: USA

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

CROP AND WEED DESCRIPTION

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

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DK626RR
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

Crop 2: ZEAMX CORN, FIELD **Variety:** DEKALB DKC64-10
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

Crop 3: ZEAMX CORN, FIELD **Variety:** ASGROW RX740RR
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: ASGROW RX738RR
Planting Date: 04-18-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

SITE AND DESIGN
Plot Width, Unit: 10 FT Plot Length, Unit: 33 FT Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION
% Sand: 25 % OM: 1.2 Texture: SILT LOAM
% Silt: 47 pH: 6.5 Soil Name: CRIDER
% Clay: 28 Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: PRINCETON Distance: 0.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-19-01	05-15-01
Time of Day:	2:00	2:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	78 F
% Relative Humidity:	61	75
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

NO-TILL CORN SYSTEM II (VARIETIES)

Trial ID: C1142 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141
Location: PRINCETON, KY.

Study Dir.: JAMES MARTIN
Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	BRAPP	CYPES	IPOHE	POLPY	
1	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE	0	90	90	93	95
1	MON 12075	67.5	WG	0.169	LB A/A	LMP					
1	SPREADER HF			0.25	% v/v	LMP					
1	AMS	100	SG	1.5	% w/w	LMP					
1	8362 IT										
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	85	85	78	88
2	EXCEED	57	DF	0.036	LB A/A	LMP					
2	COC		L	1	QT/A	LMP					
2	AMS	100	SG	1.5	% w/w	LMP					
2	8362 IT										
3	AATREX	4	F	1	LB A/A	PRE	0	85	85	75	75
3	LIGHTNING	70	DG	0.056	LB A/A	LMP					
3	COC		L	1	QT/A	LMP					
3	AMS	100	SG	1.5	% w/w	LMP					
3	8362 IT										
4	8362 IT (BUFFER STRIP)						0	0	0	0	0
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	88	75	60	78
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP					
5	AMS	100	SG	1.5	% w/w	LMP					
5	DKC 64-10										
6	READYMASTER ATZ	4	SC	2	LB A/A	LMP	3	90	75	90	93
6	AMS	100	SG	1.5	% w/w	LMP					
6	DKC 64-10										
7	HARNES XTRA	5.6	EC	3.36	LB A/A	PRE	8	93	88	73	95
7	MON 12075	67.5	WG	0.169	LB A/A	LMP					
7	SPREADER HF			0.25	% v/v	LMP					
7	AMS	100	SG	1.5	% w/w	LMP					
7	DKC 64-10										

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	BRAPP	CYPES	IPOHE	POLPY	
8	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	3	68	93	75	90
8	EXCEED	57	DF	0.036	LB A/A	LMP					
8	COC		L	1	QT/A	LMP					
8	AMS	100	SG	1.5	% W/W	LMP					
8	DKC 64-10										
9	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	3	90	63	42	70
9	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP					
9	AMS	100	SG	1.5	% W/W	LMP					
9	738RR										
10	READYMASTER ATZ	4	SC	2	LB A/A	LMP	3	85	53	80	93
10	AMS	100	SG	1.5	% W/W	LMP					
10	738RR										
11	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	3	85	85	85	88
11	MON 12075	67.5	WG	0.169	LB A/A	LMP					
11	SPREADER HF			0.25	% V/V	LMP					
11	AMS	100	SG	1.5	% W/W	LMP					
11	738RR										
12	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	5	68	70	68	83
12	EXCEED	57	DF	0.036	LB A/A	LMP					
12	COC		L	1	QT/A	LMP					
12	AMS	100	SG	1.5	% W/W	LMP					
12	738RR										
13	738RR (BUFFER STRIP)						0	0	0	0	0
14	HARNESX XTRA	5.6	EC	3.36	LB A/A	PRE	0	93	93	88	93
14	MON 12075	67.5	WG	0.169	LB A/A	LMP					
14	SPREADER HF			0.25	% V/V	LMP					
14	AMS	100	SG	1.5	% W/W	LMP					
14	8481 IT										

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141
Location: PRINCETON, KY.

Study Dir.: JAMES MARTIN
Investigator: Charles Slack

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	BRAPP	CYPES	IPOHE	POLPY	
15 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	3	80	90	75	100
15 EXCEED	57	DF	0.036	LB A/A	LMP					
15 COC		L	1	QT/A	LMP					
15 AMS	100	SG	1.5	% W/W	LMP					
15 8481 IT										
16 AATREX	4	F	1	LB A/A	PRE	3	88	75	70	95
16 LIGHTNING	70	DG	0.056	LB A/A	LMP					
16 COC		L	1	QT/A	LMP					
16 AMS	100	SG	1.5	% W/W	LMP					
16 8481 IT										
LSD (P=.05)			5.3				11.6	18.4	20.0	9.5
Standard Deviation			3.7				8.1	12.8	14.0	6.7
CV			198.76				10.92	18.39	21.31	8.64

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: JAMES MARTIN
Affiliation: UNIVERSITY OF KENTUCKY
Investigator: Charles Slack
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546

TRIAL LOCATION

City: PRINCETON
State/Prov.: DUST

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	BRAPP SIGNALGRASS, BROADLEAF	BRACHIARIA PLATYPHYLLA (GRISEB.) NASH
2.	CYPES NUTSEGE, YELLOW	CYPERUS ESCULENTUS L.
3.	IPOHE MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.
4.	POLPY SMARTWEED, PENNSYLVANIA	POLYGONUM PENNSYLVANICUM L.

Crop 1: ZEAMX CORN, FIELD Variety: GARST 8362IT
Planting Date: 04-18-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Crop 2: ZEAMX CORN, FIELD Variety: GARST 8481IT
Planting Date: 04-18-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Crop 3: ZEAMX CORN, FIELD Variety: DEKALB DKC64-10
Planting Date: 04-18-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD Variety: ASGROW RX740RR
Planting Date: 04-18-01 Planting Method: ROW
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: MEDIUM
Soil Temperature: 58 F Soil Moisture: NORMAL Emergence Date: 04-24-01

Plot Width, Unit: 10 FT SITE AND DESIGN
Plot Length, Unit: 33 FT Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION
% Sand: 25 % OM: 1.2 Texture: SILT LOAM
% Silt: 47 pH: 6.5 Soil Name: CRIDER
% Clay: 28 Fert. Level: EXCELLENT

Overall Moisture Conditions: NORMAL
Closest Weather Station: PRINCETON Distance: 0.5 Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-19-01	05-15-01
Time of Day:	1:00	1:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	68 F
% Relative Humidity:	61	70
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	68 F	75 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY.

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	BRAPP PRE	BRAPP LMP
Stage Scale:		3LF
Density, Unit:		3 IN
Weed 2 Code, Stage:	CYPES PRE	CYPES LMP
Stage Scale:		2LF
Density, Unit:		3 IN
Weed 3 Code, Stage:	IPOHE PRE	IPOHE LMP
Stage Scale:		3LF
Density, Unit:		3 IN
Weed 4 Code, Stage:	POLPY PRE	POLPY LMP
Stage Scale:		3LF
Density, Unit:		4 IN

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

CORN CONVENTIONAL SYSTEM I

Trial ID: C1141

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY.

Investigator: Charles Slack

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg		
1	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	65
1	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP		
1	AMS	100	SG	1.5	% W/W	LMP		
1	DK 626							
2	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0	78
2	EXCEED	57	DF	0.036	LB A/A	LMP		
2	COC		L	1	QT/A	LMP		
2	AMS	100	SG	1.5	% W/W	LMP		
2	DK 626							
3	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	65
3	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP		
3	AMS	100	SG	1.5	% W/W	LMP		
3	DKC 64-10							
4	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	3	70
4	EXCEED	57	DF	0.036	LB A/A	LMP		
4	COC		L	1	QT/A	LMP		
4	AMS	100	SG	1.5	% W/W	LMP		
4	DKC 64-10							
5	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	10	63
5	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP		
5	AMS	100	SG	1.5	% W/W	LMP		
5	RX740RR							
6	BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	3	85
6	EXCEED	57	DF	0.036	LB A/A	LMP		
6	COC		L	1	QT/A	LMP		
6	AMS	100	SG	1.5	% W/W	LMP		
6	RX740RR							
7	DEGREE XTRA	4.04	CS	1.5	LB A/A	PRE	0	60
7	ROUNDUP ULTRAMAX	5	SL	1	LB A/A	LMP		
7	AMS	100	SG	1.5	% W/W	LMP		
7	RX738RR							

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

Weed Code		IPOHE
Crop Code	ZEAMX	
Rating Data Type	INJURY	CONTROL
Rating Unit	PERCENT	PERCENT
Rating Date	06-10-01	06-10-01
Trt-Eval Interval	4 WEEK	4 WEEK
ARM Action Codes	P	P
# Subsamples, Dec.	0	0

Trt Treatment	Form	Form	Rate	Grow		
No. Name	Conc	Type	Rate	Unit	Stg	
8 BICEP II MAGNUM	5.5	L	2.89	LB A/A	PRE	0 80
8 EXCEED	57	DF	0.036	LB A/A	LMP	
8 COC	L		1	QT/A	LMP	
8 AMS	100	SG	1.5	% W/W	LMP	
8 RX738RR						
LSD (P=.05)			7.3		24.8
Standard Deviation			4.9		16.9
CV			263.47		23.92

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

Study Director: JAMES MARTIN
Affiliation: UNIVERSITY OF KENTUCKY
Investigator: Charles Slack
Affiliation: UNIVERSITY OF KENTUCKY
Postal Code: 40546

TRIAL LOCATION

City: PRINCETON **Trial Status:** COMPLETE
State/Prov.: KY
Initiation Date: 04-18-01
Country: USA

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	IPOHE MORNINGGLORY, IVYLEAF IPOMOEA	HEDERACEA (L.) JACQ.

Crop 1: ZEAMX CORN, FIELD **Variety:** DEKALB DK626RR
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

Crop 2: ZEAMX CORN, FIELD **Variety:** DEKALB DKC64-10
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

Crop 3: ZEAMX CORN, FIELD **Variety:** ASGROW RX740RR
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143 Study Dir.: JAMES MARTIN
Location: PRINCETON, KY. Investigator: Charles Slack

Crop 4: ZEAMX CORN, FIELD **Variety:** ASGROW RX 738RR
Planting Date: 04-18-01 **Planting Method:** ROW
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** MEDIUM
Soil Temperature: 58 F **Soil Moisture:** NORMAL **Emergence Date:** 04-24-01

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 33 FT **Reps:** 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 25 **% OM:** 1.2 **Texture:** SILT LOAM
% Silt: 47 **pH:** 6.5 **Soil Name:** CRIDER
% Clay: 28 **Fert. Level:** EXCELLENT

Overall Moisture Conditions: NORMAL

Closest Weather Station: PRINCETON

Distance: 0.5 **Unit:** MI

APPLICATION DESCRIPTION

	A	B
Application Date:	04-19-01	05-15-01
Time of Day:	10:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	LMP
Applic. Placement:	BROSOI	BROFOL
Air Temp., Unit:	56 F	68 F
% Relative Humidity:	61	70
Wind Velocity, Unit:	3 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	58 F	70 F
Soil Moisture:	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10

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

CORN CONVENTIONAL SYSTEM II

Trial ID: C1143

Study Dir.: JAMES MARTIN

Location: PRINCETON, KY.

Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	IPOHE PRE	IPOHE LMP
Stage Scale:	3LF	
Density, Unit:	4	IN

APPLICATION EQUIPMENT

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

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

BURLEY TOBACCO

Trial ID: T1001
Location: LEXINGTON, KY.

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

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

Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	ABUTH	AMBTR	AMACH	SETFA	ABUTH	AMBTR	AMACH
1 SPARTAN	4 F		0.313	LB	A/A PPI	0	92	95	95	0	92	95	92
2 SPARTAN	4 F		0.313	LB	A/A PRT	0	92	95	92	0	90	95	90
3 SPARTAN	4 F		0.313	LB	A/A PPI	0	93	95	93	0	90	95	88
3 COMMAND	3 ME		0.75	LB	A/A PPI								
4 SPARTAN	4 F		0.313	LB	A/A PRT	0	95	95	93	0	93	95	87
4 COMMAND	3 ME		0.75	LB	A/A PRT								
5 SPARTAN	4 F		0.313	LB	A/A PRT	0	93	95	92	0	92	95	90
5 COMMAND	3 ME		0.75	LB	A/A LBY								
6 SPARTAN	4 F		0.313	LB	A/A PPI	0	95	95	92	0	90	92	88
6 PROWL	3.3 EC		0.75	LB	A/A PPI								
7 SPARTAN	4 F		0.313	LB	A/A PRT	0	95	95	95	0	93	92	87
7 PROWL	3.3 EC		0.75	LB	A/A PRT								
8 PROWL	3.3 EC		0.75	LB	A/A PPI	0	95	95	95	0	90	88	87
8 COMMAND	3 ME		0.75	LB	A/A LBY								
9 SPARTAN	4 F		0.313	LB	A/A PRT	0	95	95	93	0	90	90	92
9 POAST	1.53 EC		0.28	LB	A/A LBY								
9 COC	L		1	QT/A	LBY								
10 CHECK CULTIVATED						0	0	0	0	0	0	0	0
LSD (P=.05)			0.0			2.8	0.0	1.6	3.9	0.0	2.8	4.6	5.0
Standard Deviation			0.0			1.6	0.0	0.9	2.3	0.0	1.6	2.7	2.9
CV			0.0			1.91	0.0	1.07	2.75	0.0	1.96	3.19	3.63

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

BURLEY TOBACCO

Trial ID: T1001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

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

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	SETFA FOXTAIL, GIANT	SETARIA FABERI HERRM.
2.	ABUTH VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
3.	AMBTR RAGWEED, GIANT	AMBROSIA TRIFIDA L.
4.	AMACH PIGWEED, SMOOTH	AMARANTHUS CHLOROSTACHYS WILLD.

Crop 1: NIOTA TOBACCO, BURLEY **Variety:** NC 3
Planting Date: 06-06-01 **Planting Method:** ROW
Rate: 7474 P/A **Depth:** 2 IN
Row Spacing: 40 IN **Seed Bed:** VERY FINE
Soil Temperature: 73 F **Soil Moisture:** NORMAL

SITE AND DESIGN

Plot Width, Unit: 6.66 FT **Plot Length, Unit:** 44 FT **Reps:** 3
Site Type: FIELD
Tillage Type: CONVENTIONAL **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

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

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

BURLEY TOBACCO

Trial ID: T1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

Overall Moisture Conditions: NORMAL

Closest Weather Station: SPINDLETOP

Distance: 1.0 Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	06-06-01	06-06-01	06-29-01
Time of Day:	11:00	11:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PPI	PRT	POST
Applic. Placement:	BROSOI	BROSOI	BROFOL
Air Temp., Unit:	75 F	75 F	74 F
% Relative Humidity:	77	77	73
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	73 F	73 F	76 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE
% Cloud Cover:	10	10	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	NIOTA PPI	NIOTA PRT	NIOTA POST
Height, Unit:			18 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA PPI	SETFA PRT	SETFA POST
Stage Scale:			2LF
Density, Unit:			3 IN
Weed 2 Code, Stage:	ABUTH PPI	ABUTH PRT	ABUTH POST
Stage Scale:			4LF
Density, Unit:			3 IN
Weed 3 Code, Stage:	AMBTR PPI	AMBTR PRT	AMBTR POST
Stage Scale:			4LF
Density, Unit:			4 IN
Weed 4 Code, Stage:	AMACH PPI	AMACH PRT	AMACH POST
Stage Scale:			4LF
Density, Unit:			3 IN

BURLEY TOBACCO

Trial ID: T1001

Study Dir.: CHARLES H. SLACK

Location: LEXINGTON, KY.

Investigator: Charles Slack

APPLICATION EQUIPMENT

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

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

SCREEN

Trial ID: SCR1001
Location:

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

Weed Code	SETFA	BRAPP	DIGSA	SETFA	BRAPP	DIGSA	SETFA	BRAPP	DIGSA	SETFA	BRAPP	DIGSA
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Trt-Eval Interval	0 WEEK 0	0 WEEK 0	0 WEEK 2	0 WEEK 2	0 WEEK 2	0 WEEK 4	0 WEEK 4	0 WEEK 4	0 WEEK 6	0 WEEK 6	0 WEEK 6	0 WEEK 6
ARM Action Codes	P	P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	0 WEEK 0	0 WEEK 0	0 WEEK 2	0 WEEK 2	0 WEEK 2	0 WEEK 4	0 WEEK 4	0 WEEK 4	0 WEEK 6	0 WEEK 6	0 WEEK 6	0 WEEK 6
1	CHECK						0	0	0	0	0	0	0	0	0	0	0	0
2	DUAL II MAGNUM	7.6	EC	1.27	LB A/A		100	90	100	100	78	100	88	73	100	98	65	90
3	AXIOM	68	DF	0.64	LB A/A		100	83	100	100	78	100	75	78	100	89	68	78
4	TOPNOTCH	3.2	CS	1.6	LB A/A		100	90	100	100	73	100	70	73	100	88	45	50
5	DEGREE	3.8	CS	1.54	LB A/A		100	88	100	100	83	100	83	78	100	93	68	75
6	HARNESS	7	EC	1.53	LB A/A		100	85	100	100	78	100	73	75	100	65	48	28
7	FRONTIER	6	E	1.7	LB A/A		100	88	100	100	80	100	73	78	100	58	68	53
8	OUTLOOK	6	EC	0.7	LB A/A		100	85	100	100	78	100	65	78	100	65	68	35
9	BALANCE	75	WG	0.06	LB A/A		100	88	100	100	85	100	75	85	100	75	70	68
10	DEFINE	60	DF	0.53	LB A/A		100	88	100	100	78	100	80	78	100	50	65	75
11	BASIS	75	DF	0.047	LB A/A		100	100	100	100	95	100	80	85	100	70	65	75
	LSD (P=.05)						0.0	12.6	0.0	0.0	9.8	0.0	11.1	13.3	0.0	12.0	12.9	10.0
	Standard Deviation						0.0	8.7	0.0	0.0	6.8	0.0	7.7	9.2	0.0	8.3	9.0	6.9
	CV						0.0	10.86	0.0	0.0	9.27	0.0	11.1	12.99	0.0	12.23	15.69	12.18

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

SCREEN

Trial ID: SCR1001
Location:

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

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	SETFA	BRAPP	DIGSA
1	CHECK						0	0	0
2	DUAL II MAGNUM	7.6	EC	1.27	LB A/A		48	53	70
3	AXIOM	68	DF	0.64	LB A/A		45	60	60
4	TOPNOTCH	3.2	CS	1.6	LB A/A		28	28	23
5	DEGREE	3.8	CS	1.54	LB A/A		48	40	58
6	HARNESS	7	EC	1.53	LB A/A		48	30	3
7	FRONTIER	6	E	1.7	LB A/A		45	30	20
8	OUTLOOK	6	EC	0.7	LB A/A		53	23	13
9	BALANCE	75	WG	0.06	LB A/A		45	55	53
10	DEFINE	60	DF	0.53	LB A/A		48	48	60
11	BASIS	75	DF	0.047	LB A/A		53	45	58
LSD (P=.05)							33.3	30.8	13.5
Standard Deviation							23.1	21.3	9.3
CV							55.5	57.14	24.7

SCREEN

Trial ID: SCR1001
Location:Study Dir.: CHARLES H. SLACK
Investigator: Charles Slack**GENERAL TRIAL INFORMATION**Study Director: CHARLES H. SLACK
Investigator: Charles Slack

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code Common Name Scientific Name

1. SETFA
2. BRAPP
3. DIGSA

SITE AND DESIGNPlot Width, Unit: 10 FT
Tillage Type: CONVENTIONALPlot Length, Unit: 33 FT Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK**SOIL DESCRIPTION**% Sand: 6 % OM: 2.8
% Silt: 63 pH: 6.4
% Clay: 30 CEC: 17Texture: SILT LOAM
Soil Name: MAURY
Fert. Level: EXCELLENT**APPLICATION DESCRIPTION**

A

Application Date: 05-03-01
Time of Day: 10 AM
Application Method: SPRAY
Application Timing: PRE
Applic. Placement: BROSOI
Air Temp., Unit: 80 F
% Relative Humidity: 50
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 70 F
Soil Moisture: INADEQUAT
% Cloud Cover: 20**CROP STAGE AT EACH APPLICATION**

A

09-26-01 (SCR1001)

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Weed Science Field Research

Site Description Page 2 of 2

SCREEN

Trial ID: SCR1001
Location:

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

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SETFA

BROADLEAF CONTROL IN FESCUE PASTURES

Trial ID: P1001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

Weed Code	STEME			PLALA			TAROF			STEME			PLALA			TAROF			
Crop Code	FESSS		FESSS	FESSS		FESSS	FESSS		FESSS	FESSS		FESSS	FESSS		FESSS	FESSS		FESSS	
Rating Data Type	INJURY	HEAD	RED	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Trt-Eval Interval	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	4 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	8 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS	12 WEEKS
ARM Action Codes	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
# Subsamples, Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS	FESSS
1	Weedy Check					POST	0	0	0	0	0	0	0	0	0	0	0	0	0
2	DISTINCT	70 WG		0.175 LB	A/A	POST	10	47	90	85	90	10	90	85	90	10	90	85	90
2	SPREADER HF			0.25 %	V/V	POST													
3	DISTINCT	70 WG		0.262 LB	A/A	POST	10	60	90	87	90	10	90	87	90	10	90	87	90
3	SPREADER HF			0.25 %	V/V	POST													
4	WEEDMASTER	3.87 SL		0.5 LB	A/A	POST	0	0	90	87	90	0	90	87	90	0	90	87	90
4	SPREADER HF			0.25 %	V/V	POST													
5	WEEDMASTER	3.87 SL		0.25 LB	A/A	POST	0	13	90	88	90	0	90	88	90	0	90	88	90
5	DISTINCT	70 WG		0.0875 LB	A/A	POST													
5	SPREADER HF			0.25 %	V/V	POST													
LSD (P=.05)							0.0	15.9	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0
Standard Deviation							0.0	8.5	0.0	2.1	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	0.0
CV							0.0	35.27	0.0	3.09	0.0	0.0	0.0	3.09	0.0	0.0	0.0	3.09	0.0

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BROADLEAF CONTROL IN FESCUE PASTURES

Trial ID: P1001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

GENERAL TRIAL INFORMATION

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

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

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	HLOUM CHICKWEED, JAGGED	HOLOSTEUM UMBELLATUM L.
2.	PLALA PLANTAIN, BUCKHORN	PLANTAGO LANCEOLATA L.
3.	TAROF DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS

Crop 1: FESSS FESCUE SP. **Variety:** KY 31

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 44 FT **Reps:** 3
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 6	% OM: 2.6	Texture: SILT LOAM
% Silt: 62	pH: 6.3	Soil Name: MAURY
% Clay: 32	CEC: 17	Fert. Level: GOOD

APPLICATION DESCRIPTION

A

Application Date: 04-09-01
Time of Day: 2 PM
Application Method: SPRAY
Application Timing: POSPOS
Applic. Placement: BROFOL
Air Temp., Unit: 82 F
% Relative Humidity: 50
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temp., Unit: 64 F
Soil Moisture: DRY
% Cloud Cover: 10

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

BROADLEAF CONTROL IN FESCUE PASTURES

Trial ID: P1001 Study Dir.: CHARLES H. SLACK
Location: LEXINGTON, KY. Investigator: Charles Slack

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: FESSS
Height, Unit: 8 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: HLOUM
Stage Scale: 10 IN
Weed 2 Code, Stage: PLALA
Stage Scale: 4 IN
Weed 3 Code, Stage: TAROF
Stage Scale: 4 IN

APPLICATION EQUIPMENT

A

Appl. Equipment: ATV
Operating Pressure: 30
Nozzle Type: FLAT FAN
Nozzle Size: 8004
Nozzle Spacing, Unit: 20 1N
Boom Length, Unit: 10 FT
Boom Height, Unit: 20 IN
Ground Speed, Unit: 4 MPH
Carrier: WATER
Propellant: CO2