

Sequence in No-Till Soybean.

Project Code: 05-2C-M100 Location: Belleville Research Center
 Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
 Trial Status: Final Updated: 11-14-05

Objective:

Evaluate crop tolerance and weed control for PRE and POST applications of Sequence in no-till soybean.

Weed Code	Common Name	Scientific Name
1.	POLPY smartweed, Pennsylvania	Polygonum pennsylvanicum L.
2.	AMBEL ragweed, common	Ambrosia artemisiifolia L.
3.	CHEAL lambsquarters, common	Chenopodium album L.
4.	PANDI panicum, fall	Panicum dichotomiflorum Michx.
5.	IPOHE morningglory, ivyleaf	Ipomoea hederacea (L.) Jacq.

Crop 1: GLXMA soybean Variety: Asgrow 4403 RR
 Planting Method: Seeded Planting Date: 5-11-05
 Rate: 75 lb/A Depth: 1.0 IN
 Row Spacing: 15 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 28 FT Reps: 3
 Tillage Type: No-Till Study Design: Randomized complete block
 Previous Crop, Year: GLXMA, 2004

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K2O 150 LB/A

Soil Name: Weir % OM: 1.6 pH: 6.4 CEC: 8
 Texture: Silt loam Fert. Level: P1: 92 LB/A, K: 365 LB/A

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-12-05	06-10-05	06-30-05
Time of Day:	9:00	7:00	10:00
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V2-V3	V5-V7
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	64 F	74 F	76 F
% Relative Humidity:	96	90	47
Wind Velocity, Unit:	7-10 MPH	0 MPH	2-4 MPH
Soil Moisture:	BELNOR	BELNOR	BELNOR

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA NA	GLXMA V2-V3	GLXMA V5-V6
Height, Unit:	NA NA	4-6 IN	10-12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code:	POLPY	POLPY	POLPY
Stage (leaves):	10+	10+	10+
Height (inches):	4-6	6-12	13-24
Density:	Low	Medium	Medium
Weed 2 Code:			AMBEL
Stage (leaves):			10+
Height (inches):			12-28
Density:			Low
Weed 3 Code:	CHEAL	CHEAL	CHEAL
Stage (leaves):	10+	10+	10+
Height (inches):	4-6	6-12	11-23
Density:	Low	Low	Low
Weed 4 Code:		PANDI	PANDI
Stage (leaves):		5-6	10+
Height (inches):		4-6	12-17
Density:		Low	Low

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA

NOTES:

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Weed Code
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 Rating Data Type
 Rating Unit
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 Trt-Eval Interval

GLXMA Yield bu/A	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
10-10-05	06-17-05	06-24-05	07-01-05	07-15-05
	7 DA-B	14 DA-B	21 DA-B	35 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Yield bu/A	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
1	NONTREATED									0	0	0	0	0
2	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	46	10	1	3	0
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
2	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-V3	B					
2	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
3	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	56	10	2	3	0
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
3	SEQUENCE	5.25	EW	1.97	lb ai/a	3	pt/a	V2-V3	B					
3	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
4	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	58	11	2	5	0
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
4	SEQUENCE	5.25	EW	2.3	lb ai/a	3.5	pt/a	V2-V3	B					
4	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
5	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	56	11	2	5	0
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
5	SEQUENCE	5.25	EW	2.63	lb ai/a	4	pt/a	V2-V3	B					
5	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
6	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	55	5	1	3	0
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
6	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V2-V3	B					
6	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
7	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	60	5	2	7	0
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
7	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V2-V3	B					
7	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
7	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
7	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
8	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	PRE	A	60	0	1	0	0
8	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A					
8	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
8	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
9	SEQUENCE	5.25	EW	1.97	lb ai/a	3	pt/a	PRE	A	61	2	0	0	0
9	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A					
9	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
9	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
10	SEQUENCE	5.25	EW	2.3	lb ai/a	3.5	pt/a	PRE	A	61	0	0	2	0
10	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A					
10	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
10	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
11	SEQUENCE	5.25	EW	2.63	lb ai/a	4	pt/a	PRE	A	59	0	0	2	0
11	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A					
11	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
11	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
12	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	49	0	0	0	0
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
12	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
13	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	0	0	1	0	0
13	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A					
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
14	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	59	1	0	0	0
14	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A					
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
14	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
15	A14972A	5.3	EC	1.32	lb ai/a	2	pt/a	PRE	A	0	0	0	0	0
15	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A					
15	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					

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GLXMA Yield bu/A	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
10-10-05	06-17-05	06-24-05	07-01-05	07-15-05
	7 DA-B	14 DA-B	21 DA-B	35 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Yield	GLXMA Injury	GLXMA Injury	GLXMA Injury	GLXMA Injury
16	A14972A	5.3	EC	1.32	lb ai/a	2	pt/a	PRE	A	61	0	0	0	0
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A					
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
16	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
16	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
17	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	PRE	A	40	0	1	0	0
17	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A					
17	FLEXSTAR	1.88	EC	0.352	lb ai/a	24	fl oz/a	V5-V7	C					
17	FUSION	2.56	EC	0.2	lb ai/a	10	fl oz/a	V5-V7	C					
17	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	V5-V7	C					
17	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	V5-V7	C					
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	0	0	0	0	0
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
19	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	PRE	A	61	0	0	0	0
19	DUAL II MAGNUM	7.64	EC	0.892	lb ai/a	0.93	pt/a	PRE	A					
19	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A					
19	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C					
19	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C					
20	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	66	8	1	3	0
20	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A					
20	DUAL II MAGNUM	7.64	EC	0.892	lb ai/a	0.93	pt/a	V2-V3	B					
20	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V2-V3	B					
20	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B					
LSD (P=.05)										13.1	3.2	1.3	3.7	0.0
Replicate F										0.018	0.601	2.083	6.208	0.000
Replicate Prob(F)										0.9818	0.5536	0.1386	0.0046	1.0000
Treatment F										27.509	15.253	2.624	2.623	0.000
Treatment Prob(F)										0.0001	0.0001	0.0056	0.0056	1.0000

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										POLPY	POLPY	POLPY	POLPY	AMBEL	AMBEL	AMBEL	AMBEL
										Control	Control	Control	Control	Control	Control	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
										06-07-05	06-24-05	07-01-05	07-15-05	06-07-05	06-24-05	07-01-05	07-15-05
										-3 DA-B	14 DA-B	21 DA-B	35 DA-B	-3 DA-B	14 DA-B	21 DA-B	35 DA-B
Trt	Treatment	Form	Form	Rate	Prod	Prod	Grow	Appl									
No.	Name	Conc	Type	Unit	Rate	Unit	Stg	Code									
1	NONTREATED								0	0	0	0	0	0	0	0	0
2	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	25	99	99	98	98	99	99	99	99
2	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
2	SEQUENCE	5.25 EW		1.64 lb ai/a	2.5 pt/a		V2-V3	B									
2	AMS	100 DRY		1.0 % w/w	1 % w/w		V2-V3	B									
3	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	33	99	99	99	95	99	99	99	99
3	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
3	SEQUENCE	5.25 EW		1.97 lb ai/a	3 pt/a		V2-V3	B									
3	AMS	100 DRY		1.0 % w/w	1 % w/w		V2-V3	B									
4	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	23	99	99	99	97	99	99	99	99
4	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
4	SEQUENCE	5.25 EW		2.3 lb ai/a	3.5 pt/a		V2-V3	B									
4	AMS	100 DRY		1.0 % w/w	1 % w/w		V2-V3	B									
5	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	27	99	99	99	83	99	99	99	99
5	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
5	SEQUENCE	5.25 EW		2.63 lb ai/a	4 pt/a		V2-V3	B									
5	AMS	100 DRY		1.0 % w/w	1 % w/w		V2-V3	B									
6	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	27	99	99	99	91	99	99	99	99
6	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
6	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V2-V3	B									
6	AMS	100 DRY		1.0 % w/w	1 % w/w		V2-V3	B									
7	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	32	99	99	99	93	99	99	99	99
7	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
7	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V2-V3	B									
7	AMS	100 DRY		1.0 % w/w	1 % w/w		V2-V3	B									
7	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
7	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
8	SEQUENCE	5.25 EW		1.64 lb ai/a	2.5 pt/a		PRE	A	98	92	88	99	98	96	90	99	99
8	AMS	100 DRY		1.0 % w/w	1 % w/w		PRE	A									
8	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
8	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
9	SEQUENCE	5.25 EW		1.97 lb ai/a	3 pt/a		PRE	A	98	93	96	99	98	97	91	99	99
9	AMS	100 DRY		1.0 % w/w	1 % w/w		PRE	A									
9	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
9	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
10	SEQUENCE	5.25 EW		2.3 lb ai/a	3.5 pt/a		PRE	A	98	91	89	99	98	89	80	99	99
10	AMS	100 DRY		1.0 % w/w	1 % w/w		PRE	A									
10	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
10	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
11	SEQUENCE	5.25 EW		2.63 lb ai/a	4 pt/a		PRE	A	99	95	99	99	99	96	90	98	98
11	AMS	100 DRY		1.0 % w/w	1 % w/w		PRE	A									
11	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
11	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
12	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A	27	3	10	78	97	90	83	94	94
12	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
12	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
12	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
13	BOUNDARY	6.5 EC		1.22 lb ai/a	1.5 pt/a		PRE	A	80	48	43	28	97	96	88	63	63
13	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A									
13	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
14	BOUNDARY	6.5 EC		1.22 lb ai/a	1.5 pt/a		PRE	A	82	80	70	94	98	98	96	99	99
14	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A									
14	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									
14	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a		V5-V7	C									
14	AMS	100 DRY		1.0 % w/w	1 % w/w		V5-V7	C									
15	A14972A	5.3 EC		1.32 lb ai/a	2 pt/a		PRE	A	37	10	35	7	95	97	85	89	89
15	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a		PRE	A									
15	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v		PRE	A									

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								POLPY	POLPY	POLPY	POLPY	AMBEL	AMBEL	AMBEL	AMBEL		
								Control	Control	Control	Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent		
								06-07-05	06-24-05	07-01-05	07-15-05	06-07-05	06-24-05	07-01-05	07-15-05		
								-3 DA-B	14 DA-B	21 DA-B	35 DA-B	-3 DA-B	14 DA-B	21 DA-B	35 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
16	A14972A	5.3	EC	1.32	lb ai/a	2	pt/a	PRE	A	62	48	47	90	97	97	88	96
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A								
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
16	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C								
16	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C								
17	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	PRE	A	98	89	83	93	97	89	83	99
17	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A								
17	FLEXSTAR	1.88	EC	0.352	lb ai/a	24	fl oz/a	V5-V7	C								
17	FUSION	2.56	EC	0.2	lb ai/a	10	fl oz/a	V5-V7	C								
17	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	V5-V7	C								
17	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	V5-V7	C								
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	47	10	20	13	95	97	83	90
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
19	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	PRE	A	98	83	85	99	98	96	80	96
19	DUAL II MAGNUM	7.64	EC	0.892	lb ai/a	0.93	pt/a	PRE	A								
19	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A								
19	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C								
19	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C								
20	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	30	99	99	99	95	99	99	99
20	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
20	DUAL II MAGNUM	7.64	EC	0.892	lb ai/a	0.93	pt/a	V2-V3	B								
20	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V2-V3	B								
20	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B								
LSD (P=.05)										23.2	16.4	13.1	11.2	6.9	6.9	10.1	10.5
Replicate F										2.854	0.479	0.182	0.098	0.106	0.140	2.190	3.153
Replicate Prob(F)										0.0700	0.6232	0.8346	0.9073	0.8994	0.8701	0.1259	0.0541
Treatment F										17.548	41.440	54.282	81.526	81.273	80.727	37.239	38.409
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Sequence in No-Till Soybean.

Project Code: 05-2C-M100 Location: Belleville Research Center
 Investigator: Bryan Young

									CHEAL	CHEAL	CHEAL	CHEAL	PANDI	PANDI	PANDI	IPOHE
									Control	Control	Control	Control	Control	Control	Control	Control
									Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
									06-07-05	06-24-05	07-01-05	07-15-05	06-24-05	07-01-05	07-15-05	07-15-05
									-3 DA-B	14 DA-B	21 DA-B	35 DA-B	14 DA-B	21 DA-B	35 DA-B	35 DA-B
Trt	Treatment	Form	Form	Rate	Prod	Prod	Grow	Appl								
No.	Name	Conc	Type	Unit	Rate	Unit	Stg	Code								
1	NONTREATED								0	0	0	0	0	0	0	0
2	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		86	99	99	99	99	99	99	80
2	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
2	SEQUENCE	5.25 EW		1.64 lb ai/a	2.5 pt/a	V2-V3	B									
2	AMS	100 DRY		1.0 % w/w	1 % w/w	V2-V3	B									
3	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		93	99	99	99	99	99	99	78
3	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
3	SEQUENCE	5.25 EW		1.97 lb ai/a	3 pt/a	V2-V3	B									
3	AMS	100 DRY		1.0 % w/w	1 % w/w	V2-V3	B									
4	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		94	99	99	99	99	99	99	85
4	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
4	SEQUENCE	5.25 EW		2.3 lb ai/a	3.5 pt/a	V2-V3	B									
4	AMS	100 DRY		1.0 % w/w	1 % w/w	V2-V3	B									
5	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		91	99	99	99	99	99	99	90
5	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
5	SEQUENCE	5.25 EW		2.63 lb ai/a	4 pt/a	V2-V3	B									
5	AMS	100 DRY		1.0 % w/w	1 % w/w	V2-V3	B									
6	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		92	99	99	99	99	99	99	90
6	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
6	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V2-V3	B									
6	AMS	100 DRY		1.0 % w/w	1 % w/w	V2-V3	B									
7	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		91	99	99	99	99	99	99	92
7	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
7	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V2-V3	B									
7	AMS	100 DRY		1.0 % w/w	1 % w/w	V2-V3	B									
7	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
7	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
8	SEQUENCE	5.25 EW		1.64 lb ai/a	2.5 pt/a	PRE	A		99	98	92	99	62	53	96	93
8	AMS	100 DRY		1.0 % w/w	1 % w/w	PRE	A									
8	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
8	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
9	SEQUENCE	5.25 EW		1.97 lb ai/a	3 pt/a	PRE	A		98	75	85	98	53	50	96	95
9	AMS	100 DRY		1.0 % w/w	1 % w/w	PRE	A									
9	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
9	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
10	SEQUENCE	5.25 EW		2.3 lb ai/a	3.5 pt/a	PRE	A		99	70	95	99	48	52	98	92
10	AMS	100 DRY		1.0 % w/w	1 % w/w	PRE	A									
10	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
10	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
11	SEQUENCE	5.25 EW		2.63 lb ai/a	4 pt/a	PRE	A		99	93	93	99	75	65	96	92
11	AMS	100 DRY		1.0 % w/w	1 % w/w	PRE	A									
11	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
11	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
12	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A		98	34	52	94	20	38	93	90
12	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
12	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
12	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
13	BOUNDARY	6.5 EC		1.22 lb ai/a	1.5 pt/a	PRE	A		98	62	70	63	78	70	23	92
13	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A									
13	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
14	BOUNDARY	6.5 EC		1.22 lb ai/a	1.5 pt/a	PRE	A		96	68	79	96	80	90	98	87
14	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A									
14	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									
14	TOUCHDOWN TOTAL	4.17 SC		0.78 lb ae/a	24 fl oz/a	V5-V7	C									
14	AMS	100 DRY		1.0 % w/w	1 % w/w	V5-V7	C									
15	A14972A	5.3 EC		1.32 lb ai/a	2 pt/a	PRE	A		98	68	86	43	52	47	47	87
15	GRAMOXONE INTEON	2 SL		0.75 lb ai/a	3 pt/a	PRE	A									
15	ACTIVATOR 90	100 LIQ		0.25 % v/v	0.25 % v/v	PRE	A									

Sequence in No-Till Soybean.

Project Code: 05-2C-M100 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	CHEAL	CHEAL	CHEAL	CHEAL	PANDI	PANDI	PANDI	IPOHE									
Crop Code																	
Rating Data Type	Control	Control	Control	Control	Control	Control	Control	Control									
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent									
Rating Date	06-07-05	06-24-05	07-01-05	07-15-05	06-24-05	07-01-05	07-15-05	07-15-05									
Trt-Eval Interval	-3 DA-B	14 DA-B	21 DA-B	35 DA-B	14 DA-B	21 DA-B	35 DA-B	35 DA-B									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
16	A14972A	5.3	EC	1.32	lb ai/a	2	pt/a	PRE	A	93	62	78	91	77	75	99	90
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A								
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
16	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C								
16	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C								
17	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	PRE	A	98	15	70	37	58	55	63	80
17	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A								
17	FLEXSTAR	1.88	EC	0.352	lb ai/a	24	fl oz/a	V5-V7	C								
17	FUSION	2.56	EC	0.2	lb ai/a	10	fl oz/a	V5-V7	C								
17	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	V5-V7	C								
17	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	V5-V7	C								
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	95	12	43	28	32	23	17	90
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
19	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	PRE	A	98	12	67	96	48	57	88	85
19	DUAL II MAGNUM	7.64	EC	0.892	lb ai/a	0.93	pt/a	PRE	A								
19	AMS	100	DRY	1.0	% w/w	1	% w/w	PRE	A								
19	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V5-V7	C								
19	AMS	100	DRY	1.0	% w/w	1	% w/w	V5-V7	C								
20	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	PRE	A	95	99	99	99	99	99	99	90
20	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
20	DUAL II MAGNUM	7.64	EC	0.892	lb ai/a	0.93	pt/a	V2-V3	B								
20	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	V2-V3	B								
20	AMS	100	DRY	1.0	% w/w	1	% w/w	V2-V3	B								
LSD (P=.05)										8.0	43.8	27.8	19.7	37.8	31.8	22.7	17.9
Replicate F										4.444	1.774	1.012	1.197	0.039	1.011	2.056	1.423
Replicate Prob(F)										0.0184	0.1835	0.3730	0.3131	0.9618	0.3736	0.1420	0.2535
Treatment F										60.117	5.229	6.706	19.072	5.041	6.925	16.355	10.510
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Trial Comments

1. Protocol: Syngenta.
2. Ratings: CI 7, 14, 28, and 42 DA application "B".
 WC prior to each POST timing and at 14, 28, and 42 DA application "B".
3. Photos of CI and WC are needed.
4. Yield if possible.
5. PRE can be 7 DBP if heavy residue would hamper planting.
6. DA-B = Days after V2-V3 application.
 Ratings on 6-7-05 at -3 DA-B are prior to V2-V3 application.
 Ratings on 6-24-05 at 14 DA-B are 4 days prior to V5-V7 application.
 Ratings on 7-15-05 at 35 DA-B are also 15 days after V5-V7 application.
7. Harvested 10-10-05, (2) 30 inch rows by 25 ft.