

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70 Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 05-21-08

Objectives: Compare the efficacy of Prefix and Boundary to competitive programs in no-till soybean.

Crop 1: GLXMA Soybean Variety: AG 4404 RR/STS
 Planting Method: SEEDD Planting Date: 06-15-08
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: PANDI Panicum dichotomiflorum Michx. panicum, fall
 Pest 2 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 3 Type: W Code: AMBEL Ambrosia artemisiifolia L. ragweed, common
 Pest 4 Type: W Code: POLPY Polygonum pensylvanicum L. smartweed, Pennsylvania
 Pest 5 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2007

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 1.6 Texture: SILT LOAM
 pH: 6.1 Soil Name: PIERRON
 CEC: 8 Fert. Level: P1: 91 LB/A, K: 410 LB/A

Application Description

	A	B	C	D
Application Date:	05-21-08	06-26-08	06-26-08	07-15-08
Time of Day:	11:00	10:45	10:45	9:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	7DBP	V2-3	3-4"W-1	3-4"W-2
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	DKT	TGM	TGM	NLT
Air Temperature, Unit:	69 F	86 F	86 F	74 F
% Relative Humidity:	40	62	62	92
Wind Velocity, Unit:	5 MPH	6 MPH	6 MPH	2 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Temperature, Unit:	69 F	84 F	84 F	85 F
Soil Moisture:	NORMAL	NORMAL	NORMAL	ABONOR
% Cloud Cover:		90	90	0

	A	B	C	D
Crop stage at application:	05-21-08	06-26-08	06-26-08	07-15-08
Height Min, Max (inch):	NA	V1	V1	V3
		2 4	2 4	5 8

Pest Stage At Each Application

	A	B	C	D
Application Date:	05-21-08	06-26-08	06-26-08	07-15-08
Weed Code:	PANDI	PANDI	PANDI	PANDI
Stage Majority (leaves):	NA	18	18	16
Stage Min, Max:		7 21	7 21	6 25
Height Majority:		10 IN	10 IN	18 IN
Height Min, Max:		8 14	8 14	12 20
Density, Unit:		2 FT2	2 FT2	0.5 FT2
Weed Code:	AMBTR	AMBTR	AMBTR	AMBTR
Stage Majority (leaves):	4	14	14	18
Stage Min, Max:	2 6	4 26	4 26	10 20
Height Majority:	6 IN	12 IN	12 IN	17 IN
Height Min, Max:	3 8	6 14	6 14	14 20
Density, Unit:	5 FT2	0.5 FT2	0.5 FT2	0.5 FT2
Weed Code:	AMBEL	AMBEL	AMBEL	AMBEL
Stage Majority (leaves):	4	10	10	18
Stage Min, Max:	2 4	6 18	6 18	8 20
Height Majority:	3 IN	8 IN	8 IN	12 IN
Height Min, Max:	2 4	4 14	4 14	9 15
Density, Unit:	1 FT2	0.5 FT2	0.5 FT2	0.5 FT2
Weed Code:	POLPY	POLPY	POLPY	POLPY
Stage Majority (leaves):	NA	NA	NA	NA
Weed Code:	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	5	5	20
Stage Min, Max:		2 9	2 9	15 25
Height Majority:		4 IN	4 IN	12 IN
Height Min, Max:		2 8	2 8	6 14
Density, Unit:		1 FT2	1 FT2	1 FT2

Prefix and Boundary in No-Till Soybean.

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Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

Prefix and Boundary in No-Till Soybean.

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Location: Belleville Res. Center

Pest Code										GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Crop Code										10-29-08	10-29-08	06-26-08	07-03-08	07-10-08	07-18-08	
Rating Date										Moisture	Yield	Injury	Injury	Injury	Injury	
Rating Data Type										Percent	bu/A	Percent	Percent	Percent	Percent	
Rating Unit												0 DA-B	14 DA-C	-5 DA-D	28 DAE	
Rating Timing												36 DA-A	7 DA-C	14 DA-C	3 DA-D	
Trt-Eval Interval																
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
1	NONTREATED									11.9 ab	11 b	0 a	0 b	0 b	0 b	
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	11.9 ab	37 a	0 a	0 b	0 b	0 b	
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
2	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A							
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A							
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	11.9 ab	36 a	0 a	0 b	0 b	0 b	
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	11.8 ab	37 a	0 a	0 b	0 b	0 b	
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
4	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A							
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	12.2 a	33 a	0 a	0 b	0 b	0 b	
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
6	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	11.8 b	40 a	0 a	10 a	12 a	2 a	
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
6	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A							
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B							
6	SEQUENCE	5.25	EW	1.64	lb ai/a	40	fl oz/a	V2-3	B							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	12.0 ab	35 a	0 a	0 b	0 b	0 b	
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A							
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7DBP	A							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	11.6 b	38 a	0 a	0 b	0 b	0 b	
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A							
8	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A							
8	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A							
8	HARMONY GT	50	SG	0.00625	lb ai/a			7DBP	A							
8	VALOR SX	51	WG	0.0625	lb ai/a			7DBP	A							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	11.9 ab	35 a	0 a	0 b	0 b	0 b	
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A							
9	SONIC	70	DF	0.131	lb ai/a	3	oz/a	7DBP	A							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C							
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	11.7 b	35 a	0 a	0 b	0 b	0 b	
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A							
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B							
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B							

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Pest Code													
Crop Code													
Rating Date									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type									10-29-08	10-29-08	06-26-08	07-03-08	07-10-08
Rating Unit									Moisture	Yield	Injury	Injury	Injury
Rating Timing									Percent	bu/A	Percent	Percent	Percent
Trt-Eval Interval											0 DA-B	14 DAE	-5 DA-D
											36 DA-A	7 DA-C	14 DA-C
													28 DAE
													3 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code												
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	12.0	ab	33	a	0	a	0	b	0	b	0	b
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A												
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A												
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	V2-3	B												
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B												
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D												
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	D												
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	11.8	ab	36	a	0	a	0	b	0	b	0	b
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A												
12	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A												
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-1	C												
12	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-1	C												
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	11.7	b	37	a	0	a	0	b	0	b	0	b
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A												
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A												
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D												
13	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-2	D												
LSD (P=.05)										0.42		8.8		0.0		0.0		1.3		0.8	
Replicate F										2.344		6.676		0.000		0.000		1.000		1.000	
Replicate Prob(F)										0.1185		0.0050		1.0000		1.0000		0.3827		0.3827	
Treatment F										1.155		5.515		0.000		0.000		49.000		4.000	
Treatment Prob(F)										0.3678		0.0002		1.0000		1.0000		0.0001		0.0019	

Means followed by same letter do not significantly differ (P=.05, LSD)

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										PANDI	PANDI	PANDI	PANDI
										06-26-08	07-10-08	07-24-08	08-21-08
										Control	Control	Control	Control
										Percent	Percent	Percent	Percent
										0 DA-C	-5 DA-D	9 DA-D	37 DA-D
										36 DA-A	14 DA-C	28 DA-C	56 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 f	0 c	0 d	0 d
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	97 ab	98 a	93 bc	93 bc
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	90 bc	99 a	96 ab	95 abc
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	94 abc	98 a	92 c	92 c
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	92 abc	98 a	96 ab	96 abc
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
6	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	97 ab	99 a	98 a	98 a
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
6	SEQUENCE	5.25	EW	1.64	lb ai/a	40	fl oz/a	V2-3	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	88 cd	98 a	92 c	92 c
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7DBP	A				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	98 a	98 a	96 ab	96 abc
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
8	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A				
8	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
8	HARMONY GT	50	SG	0.00625	lb ai/a			7DBP	A				
8	VALOR SX	51	WG	0.0625	lb ai/a			7DBP	A				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	95 abc	99 a	96 ab	95 abc
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
9	SONIC	70	DF	0.131	lb ai/a	3	oz/a	7DBP	A				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	82 de	98 a	96 abc	97 ab
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70

Location: Belleville Res. Center

Pest Code		PANDI	PANDI	PANDI	PANDI
Crop Code					
Rating Date		06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type		Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent
Rating Timing		0 DA-C	-5 DA-D	9 DA-D	37 DA-D
Trt-Eval Interval		36 DA-A	14 DA-C	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	75 e	98 a	99 a	98 a
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	V2-3	B				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	D				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	77 e	98 a	97 a	97 ab
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-1	C				
12	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-1	C				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	78 e	72 b	98 a	98 a
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
13	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-2	D				
LSD (P=.05)										6.8	5.0	3.6	4.0
Replicate F										1.954	0.761	1.288	0.554
Replicate Prob(F)										0.1636	0.4781	0.2943	0.5816
Treatment F										122.378	261.596	469.634	369.430
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70

Location: Belleville Res. Center

										AMBTR	AMBTR	AMBTR	AMBTR
										06-26-08	07-10-08	07-24-08	08-21-08
										Control	Control	Control	Control
										Percent	Percent	Percent	Percent
										0 DA-C	-5 DA-D	9 DA-D	37 DA-D
										36 DA-A	14 DA-C	28 DA-C	56 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 c	0 c	0 c	0 c
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	99 a	98 a	98 ab	98 ab
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	96 ab	98 a	98 ab	98 ab
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	99 a	98 ab	96 ab
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	96 ab	98 a	97 ab	97 ab
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
6	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	95 ab	99 a	97 ab	97 ab
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
6	SEQUENCE	5.25	EW	1.64	lb ai/a	40	fl oz/a	V2-3	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	98 a	98 a	97 ab	95 ab
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7DBP	A				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	98 a	97 ab	96 ab
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
8	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A				
8	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
8	HARMONY GT	50	SG	0.00625	lb ai/a			7DBP	A				
8	VALOR SX	51	WG	0.0625	lb ai/a			7DBP	A				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	97 a	97 a	96 ab	96 ab
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
9	SONIC	70	DF	0.131	lb ai/a	3	oz/a	7DBP	A				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	90 b	96 ab	94 b	92 b
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70 Location: Belleville Res. Center

Pest Code	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code				
Rating Date	06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	-5 DA-D	9 DA-D	37 DA-D
Trt-Eval Interval	36 DA-A	14 DA-C	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	95 ab	98 a	99 a	98 a
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	V2-3	B				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	D				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	92 ab	98 a	97 ab	96 ab
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-1	C				
12	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-1	C				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	95 ab	93 b	98 ab	98 ab
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
13	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-2	D				
LSD (P=.05)										7.4	3.4	4.9	5.7
Replicate F										0.737	3.062	1.543	0.116
Replicate Prob(F)										0.4890	0.0654	0.2343	0.8908
Treatment F										111.138	546.820	263.155	187.736
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70

Location: Belleville Res. Center

										AMBEL	AMBEL	AMBEL	AMBEL
										06-26-08	07-10-08	07-24-08	08-21-08
										Control	Control	Control	Control
										Percent	Percent	Percent	Percent
										0 DA-C	-5 DA-D	9 DA-D	37 DA-D
										36 DA-A	14 DA-C	28 DA-C	56 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 e	0 c	0 b	0 b
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	97 ab	99 a	99 a	99 a
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	97 ab	99 a	99 a	99 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	91 abc	99 a	99 a	99 a
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	96 ab	99 a	99 a	99 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
6	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	96 ab	99 a	99 a	99 a
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
6	SEQUENCE	5.25	EW	1.64	lb ai/a	40	fl oz/a	V2-3	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	96 ab	99 a	98 a	98 a
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7DBP	A				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	99 a	99 a	99 a
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
8	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A				
8	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
8	HARMONY GT	50	SG	0.00625	lb ai/a			7DBP	A				
8	VALOR SX	51	WG	0.0625	lb ai/a			7DBP	A				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	99 a	99 a	99 a
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
9	SONIC	70	DF	0.131	lb ai/a	3	oz/a	7DBP	A				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	93 abc	99 a	98 a	98 a
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70 Location: Belleville Res. Center

Pest Code	AMBEL	AMBEL	AMBEL	AMBEL
Crop Code				
Rating Date	06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	-5 DA-D	9 DA-D	37 DA-D
Trt-Eval Interval	36 DA-A	14 DA-C	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	89 bc	99 a	99 a	99 a
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	V2-3	B				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	D				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	85 cd	99 a	99 a	99 a
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-1	C				
12	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-1	C				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	78 d	78 b	98 a	98 a
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
13	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-2	D				
LSD (P=.05)										8.2	4.8	1.4	1.4
Replicate F										4.187	1.175	1.947	2.512
Replicate Prob(F)										0.0276	0.3261	0.1646	0.1022
Treatment F										89.001	275.412	3484.119	3493.688
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70

Location: Belleville Res. Center

										POLPY	POLPY	POLPY	POLPY
										06-26-08	07-10-08	07-24-08	08-21-08
										Control	Control	Control	Control
										Percent	Percent	Percent	Percent
										0 DA-C	-5 DA-D	9 DA-D	37 DA-D
										36 DA-A	14 DA-C	28 DA-C	56 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 c	0 c	0 c	0 c
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	99 a	99 a	99 a	99 a
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	99 a	99 a	99 a	99 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	99 a	99 a	99 a
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	99 a	99 a	99 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
6	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	99 a	99 a	99 a	99 a
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
6	SEQUENCE	5.25	EW	1.64	lb ai/a	40	fl oz/a	V2-3	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	99 a	99 a	99 a
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7DBP	A				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	99 a	99 a	99 a
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
8	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A				
8	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
8	HARMONY GT	50	SG	0.00625	lb ai/a			7DBP	A				
8	VALOR SX	51	WG	0.0625	lb ai/a			7DBP	A				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	99 a	99 a	99 a
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
9	SONIC	70	DF	0.131	lb ai/a	3	oz/a	7DBP	A				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	99 a	99 a	99 a	99 a
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70 Location: Belleville Res. Center

Pest Code		POLPY	POLPY	POLPY	POLPY
Crop Code					
Rating Date		06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type		Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent
Rating Timing		0 DA-C	-5 DA-D	9 DA-D	37 DA-D
Trt-Eval Interval		36 DA-A	14 DA-C	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	96 ab	98 a	99 a	99 a
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	V2-3	B				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	D				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	96 ab	99 a	99 a	99 a
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-1	C				
12	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-1	C				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	89 b	88 b	96 b	96 b
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
13	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-2	D				
LSD (P=.05)										8.5	9.2	2.4	2.4
Replicate F										1.197	0.998	1.000	1.000
Replicate Prob(F)										0.3194	0.3834	0.3827	0.3827
Treatment F										87.839	75.373	1084.500	1084.500
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70

Location: Belleville Res. Center

Pest Code								AMATA	AMATA	AMATA	AMATA		
Crop Code								06-26-08	07-10-08	07-24-08	08-21-08		
Rating Date								Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent		
Rating Unit								0 DA-C	-5 DA-D	9 DA-D	37 DA-D		
Rating Timing								36 DA-A	14 DA-C	28 DA-C	56 DA-C		
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 e	0 c	0 d	0 d
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	85 ab	98 a	94 ab	90 ab
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	82 ab	99 a	91 ab	90 ab
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	53 c	98 a	72 c	72 c
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	70 bc	97 a	91 ab	90 ab
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
6	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	82 ab	98 a	96 ab	93 ab
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7DBP	A				
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7DBP	A				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
6	SEQUENCE	5.25	EW	1.64	lb ai/a	40	fl oz/a	V2-3	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	94 a	98 a	91 ab	93 ab
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
7	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7DBP	A				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	96 a	99 a	93 ab	92 ab
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
8	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A				
8	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
8	HARMONY GT	50	SG	0.00625	lb ai/a			7DBP	A				
8	VALOR SX	51	WG	0.0625	lb ai/a			7DBP	A				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	93 a	99 a	96 ab	95 ab
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
9	SONIC	70	DF	0.131	lb ai/a	3	oz/a	7DBP	A				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	C				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7DBP	A	33 d	98 a	96 ab	95 ab
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2-3	B				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				

Prefix and Boundary in No-Till Soybean.

Trial ID: 08-2B-ME70

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date	06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	-5 DA-D	9 DA-D	37 DA-D
Trt-Eval Interval	36 DA-A	14 DA-C	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	13 e	98 a	98 a	98 a
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	V2-3	B				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V2-3	B				
11	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	D				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	13 e	98 a	95 ab	94 ab
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-1	C				
12	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-1	C				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	7DBP	A	13 e	7 b	86 b	86 b
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	5 %	v/v	5 %	v/v	3-4"W-2	D				
13	TOUCHDOWN TOTAL	4.17	SL	1.04	lb ae/a	32	fl oz/a	3-4"W-2	D				
LSD (P=.05)										19.8	5.5	11.8	11.6
Replicate F										1.143	1.722	2.119	1.928
Replicate Prob(F)										0.3355	0.2001	0.1421	0.1673
Treatment F										28.872	365.283	42.400	42.745
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Syngenta (BRM12X).
2. Ratings: CI at 7, 14 + 28 DAE; WC at 0, 14, 28 + 56 DA"C".
3. Yield.
4. DA-A = Days after 7DBP application. DA-C = Days after 3-4"W-1 application. DA-D = Days after 3-4"W-2 application.
DAE = Days after crop emergence.
5. At the Belleville Research Center the above normal rainfall in spring 2008 (no more than four consecutive rain-free days between March 22 and June 15) delayed corn and soybean planting until mid-June.
6. Following the 7DBP application on May 21, rainfall was 0.17 inch 1 day later, 0.20 inch 3 days later, and 1.92 inch 5 days later.
7. Harvested 10-29-08, (2) 30 inch rows by 25 ft.