

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

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: 05-21-09

Objectives: Evaluate preplant and postemergence herbicide strategies for weed control and soybean injury in no-till soybean.

Crop 1: GLXMA Soybean	Variety: AG 4404	Description: RR/STS
Planting Method: SEEDED	Planting Date: 06-27-09	
Rate, Unit: 75 LB/A	Depth, Unit: 1.0 IN	
Row Spacing, Unit: 30 IN		

Pest 1 Type: W	Code: HORPU	Hordeum pusillum Nutt.	barley, little
Pest 2 Type: W	Code: AMBTR	Ambrosia trifida L.	ragweed, giant
Pest 3 Type: W	Code: ERICA	Conyza canadensis (L.) Crong.	horseweed
Pest 4 Type: W	Code: SENGL	Senecio glabellus Poir.	groundsel, cressleaf
Pest 5 Type: W	Code: GGGAN		grasses, annual
Pest 6 Type: W	Code: AMATA	Amaranthus rudis Sauer	waterhemp, common
Pest 7 Type: W	Code: ABUTH	Abutilon theophrasti Medicus	velvetleaf

Plot Width, Unit: 10 FT	Site Type: FIELD
Plot Length, Unit: 31 FT	Tillage Type: NO-TILL
Replications: 4	Study Design: Randomized Complete Block

Prior Crops, Year
1. ZEAMD 2008

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 100 LB/A

% OM: 1.6	Texture: SILT LOAM
pH: 6.2	Soil Name: WINFIELD
CEC: 8	Fert. Level: P1: 83 LB/A, K: 396 LB/A

	Application Description				
	A	B	C	D	E
Application Date:	05-21-09	06-26-09	06-29-09	07-07-09	07-23-09
Time of Day:	12:30	11:00	7:30	7:45	11:45
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	7DBP	V1-2	6-8"W-1	21DA-B	6-8"W-2
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	NVH	NVH	DKP	DKP	DKP
Air Temperature, Unit:	80 F	91 F	72 F	74 F	80 F
% Relative Humidity:	62	72	72	92	60
Wind Velocity, Unit:	4 MPH	3 MPH	6 MPH	8 MPH	2 MPH
Wind Direction:	S	NW	W	NW	W
Dew Presence (Y/N):	N	N	Y	N	N
Soil Moisture:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
% Cloud Cover:	20	40	0	5	30
	05-21-09	06-26-09	06-29-09	07-07-09	07-23-09
Crop stage at application:	NA	NA	NA	V1	V3
Height Min, Max (inch):				2 4 4 6	

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	Pest Stage At Each Application									
Application Date:	05-21-09	06-26-09	06-29-09	07-07-09	07-23-09					
Weed Code:	HORPU	HORPU	HORPU	HORPU	HORPU					
Stage Majority (leaves):	7	NA	NA	NA	NA					
Stage Min, Max:	3 8									
Height Majority:	22 IN									
Height Min, Max:	18 24									
Density, Unit:	4 FT2									
Weed Code:	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR					
Stage Majority (leaves):	8	NA	4	4	NA					
Stage Min, Max:	5 10		1 6	2 4						
Height Majority:	9 IN		6 IN	4 IN						
Height Min, Max:	4 14		1 10	3 6						
Density, Unit:	1.5 FT2		3 FT2	0.1 FT2						
Weed Code:	ERICA	ERICA	ERICA	ERICA	ERICA					
Stage Majority (leaves):	7	10	10	NA	NA					
Stage Min, Max:	7 10	7 10	7 10							
Height Majority:	2 IN	4 IN	4 IN							
Height Min, Max:	2 4	2 4	2 4							
Density, Unit:	0.01 FT2	0.01 FT2	0.01 FT2							
Weed Code:	SENGL	SENGL	SENGL	SENGL	SENGL					
Stage Majority (leaves):	30	NA	NA	NA	NA					
Stage Min, Max:	2 40									
Height Majority:	24 IN									
Height Min, Max:	1 32									
Density, Unit:	0.5 FT2									
Weed Code:	GGGGG	GGGGG	GGGGG	GGGGG	GGGGG					
Stage Majority (leaves):	NA	3	3	NA	5					
Stage Min, Max:		1 4	1 9		1 10					
Height Majority:		4 IN	6 IN		5 IN					
Height Min, Max:		1.5 6	1 10		1 7					
Density, Unit:		0.5 FT2	0.5 FT2		.001 FT2					
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA					
Stage Majority (leaves):	NA	5	5	4	6					
Stage Min, Max:		3 8	2 8	2 6	4 8					
Height Majority:		2.5 IN	4 IN	4 IN	4.5 IN					
Height Min, Max:		1 3	1 6	1 6	2 7					
Density, Unit:		0.3 FT2	0.1 FT2	0.1 FT2	0.1 FT2					
Weed Code:	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH					
Stage Majority (leaves):	COTY	1	3	2	1					
Stage Min, Max:	COTY 1	COTY 2	COTY 5	COTY 4	3 1					
Height Majority:	0.5 IN	0.75 IN	6 IN	2 IN	1 IN					
Height Min, Max:	0.5 1	0.5 1	0.5 8	0.5 4	1 2.5					
Density, Unit:	2 FT2	0.5 FT2	1 FT2	0.7 FT2	.001 FT2					

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

Location: Belleville Res. Center

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Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

HORPU
GLXMA 11-05-09 Moisture Percent
GLXMA 11-05-09 Yield bu/A
GLXMA 07-10-09 Injury Percent
GLXMA 07-24-09 Injury Percent
06-04-09 Control Percent
14 DA-B 28 DA-B 14 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
9	CANOPY EX	29.5	WG			1.5	oz/a	7DBP	A	12.0	ab	33	bcd	0 a 0 a 99 a
9	CLASSIC	25	WG	0.0212	lb ai/a			7DBP	A					
9	EXPRESS	50	SG	0.00636	lb ai/a			7DBP	A					
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
9	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
9	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
9	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
10	ENVIVE	41.3	WG			3	oz/a	7DBP	A	12.0	ab	37	a-d	0 a 0 a 99 a
10	CLASSIC	25	WG	0.01714	lb ai/a			7DBP	A					
10	HARMONY SG	50	SG	0.00551	lb ai/a			7DBP	A					
10	VALOR SX	51	WG	0.05443	lb ai/a			7DBP	A					
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
10	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
10	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
10	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
11	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A	11.9	ab	39	ab	0 a 0 a 99 a
11	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A					
11	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	A					
11	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	A					
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
11	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
11	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
11	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
12	ENVIVE	41.3	WG			5	oz/a	7DBP	A	11.8	ab	38	a-d	0 a 0 a 99 a
12	CLASSIC	25	WG	0.02856	lb ai/a			7DBP	A					
12	HARMONY SG	50	SG	0.00918	lb ai/a			7DBP	A					
12	VALOR SX	51	WG	0.09072	lb ai/a			7DBP	A					
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E					
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E					
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A	11.9	ab	35	a-d	0 a 0 a 99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
13	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
13	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
13	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	11.8	b	40	ab	0 a 0 a 99 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V1-2	B					
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B					
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	21DA-B	D					
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D					
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	11.8	b	33	bcd	0 a 0 a 99 a
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
16	NONTREATED											0 e		0 a 0 a 0 c

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Pest Code	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code					
Rating Date	06-04-09	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing					
Trt-Eval Interval	14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	99 a	94 a	98 a	93 cde	80 d
1	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A					
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
1	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A					
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
1	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C					
2	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	70 b	98 a	92 de	84 cd
2	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A					
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
2	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A					
2	N-PAK AMS	100	SL	3.13	lb ae/a	2.5	% v/v	6-8"W-1	C					
2	TOUCHDOWN TOTAL	4.17	SL			24	fl oz/a	6-8"W-1	C					
3	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	99 a	93 a	97 a	99 ab	99 ab
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
3	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A					
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B					
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B					
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D					
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D					
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	72 b	97 a	98 abc	98 ab
4	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A					
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
4	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A					
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
4	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	6-8"W-1	C					
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6-8"W-1	C					
5	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	99 a	94 a	98 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	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A					
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B					
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B					
5	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	V1-2	B					
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D					
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D					
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	99 a	95 a	97 a	95 a-e	99 a
6	SONIC	70	WG	0.141	lb ai/a	3.22	oz/a	7DBP	A					
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	7DBP	A					
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E					
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	6-8"W-2	E					
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	99 a	93 a	97 a	94 a-e	98 ab
7	VALOR XLT	40.3	WG			3	oz/a	7DBP	A					
7	VALOR SX	51	WG	0.056	lb ai/a			7DBP	A					
7	CLASSIC	25	WG	0.0194	lb ai/a			7DBP	A					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E					
8	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	99 a	72 b	98 a	94 a-e	83 cd
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
8	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A					
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C					

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										AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Pest Code										06-04-09	06-26-09	07-10-09	07-24-09	08-21-09
Crop Code										Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent
Rating Data Type														
Rating Unit														
Rating Timing														
Trt-Eval Interval										14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
9	CANOPY EX	29.5	WG			1.5	oz/a	7DBP	A	99 a	96 a	98 a	95 a-d	87 bcd
9	CLASSIC	25	WG	0.0212	lb ai/a			7DBP	A					
9	EXPRESS	50	SG	0.00636	lb ai/a			7DBP	A					
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
9	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
9	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
9	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
10	ENVIVE	41.3	WG			3	oz/a	7DBP	A	99 a	92 a	96 ab	94 a-e	89 a-d
10	CLASSIC	25	WG	0.01714	lb ai/a			7DBP	A					
10	HARMONY SG	50	SG	0.00551	lb ai/a			7DBP	A					
10	VALOR SX	51	WG	0.05443	lb ai/a			7DBP	A					
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
10	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
10	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
10	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
11	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A	99 a	96 a	98 a	97 a-d	92 abc
11	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A					
11	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	A					
11	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	A					
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
11	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
11	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
11	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
12	ENVIVE	41.3	WG			5	oz/a	7DBP	A	99 a	98 a	98 a	96 a-d	99 ab
12	CLASSIC	25	WG	0.02856	lb ai/a			7DBP	A					
12	HARMONY SG	50	SG	0.00918	lb ai/a			7DBP	A					
12	VALOR SX	51	WG	0.09072	lb ai/a			7DBP	A					
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E					
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E					
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A	99 a	66 b	96 ab	93 b-e	83 cd
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
13	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C					
13	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C					
13	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	90 b	71 b	94 bc	98 a-d	99 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V1-2	B					
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B					
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	21DA-B	D					
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D					
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	90 b	71 b	93 c	89 e	79 d
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A					
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C					
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C					
16	NONTREATED									0 c	0 c	0 d	0 f	0 e

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code					
Rating Date	06-04-09	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing					
Trt-Eval Interval	14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
LSD (P=.05)					0.3	16.4		2.3	5.5	12.0
Replicate F					0.652	0.766		0.505	1.891	1.988
Replicate Prob(F)					0.5858	0.5191		0.6806	0.1447	0.1293
Treatment F					75967.179	17.905		933.865	151.437	32.804
Treatment Prob(F)					0.0001	0.0001		0.0001	0.0001	0.0001

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

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	ERICA	ERICA	ERICA	ERICA	ERICA	SENGL
Crop Code	06-04-09	06-26-09	07-10-09	07-24-09	08-21-09	06-04-09
Rating Date	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B	14 DA-A
Rating Timing						
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
1	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A						
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
1	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A						
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
1	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C						
2	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
2	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A						
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
2	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A						
2	N-PAK AMS	100	SL	3.13	lb ae/a	2.5	% v/v	6-8"W-1	C						
2	TOUCHDOWN TOTAL	4.17	SL			24	fl oz/a	6-8"W-1	C						
3	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	99 a	99 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	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A						
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B						
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B						
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D						
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D						
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	99 a	99 a	99 a	98 ab	99 a	99 a
4	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A						
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
4	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A						
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
4	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	6-8"W-1	C						
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6-8"W-1	C						
5	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	99 a	99 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	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A						
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B						
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B						
5	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	V1-2	B						
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D						
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D						
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
6	SONIC	70	WG	0.141	lb ai/a	3.22	oz/a	7DBP	A						
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	7DBP	A						
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E						
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	6-8"W-2	E						
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
7	VALOR XLT	40.3	WG			3	oz/a	7DBP	A						
7	VALOR SX	51	WG	0.056	lb ai/a			7DBP	A						
7	CLASSIC	25	WG	0.0194	lb ai/a			7DBP	A						
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A						
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E						
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E						
8	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	99 a	99 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	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A						
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C						

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

										ERICA	ERICA	ERICA	ERICA	ERICA	SENGL
Pest Code										06-04-09	06-26-09	07-10-09	07-24-09	08-21-09	06-04-09
Crop Code										Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type															
Rating Unit															
Rating Timing															
Trt-Eval Interval										14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B	14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
9	CANOPY EX	29.5	WG			1.5	oz/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
9	CLASSIC	25	WG	0.0212	lb ai/a			7DBP	A						
9	EXPRESS	50	SG	0.00636	lb ai/a			7DBP	A						
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A						
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C						
9	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C						
9	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C						
9	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C						
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
10	ENVIVE	41.3	WG			3	oz/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
10	CLASSIC	25	WG	0.01714	lb ai/a			7DBP	A						
10	HARMONY SG	50	SG	0.00551	lb ai/a			7DBP	A						
10	VALOR SX	51	WG	0.05443	lb ai/a			7DBP	A						
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A						
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C						
10	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C						
10	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C						
10	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C						
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
11	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
11	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A						
11	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	A						
11	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	A						
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A						
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C						
11	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C						
11	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C						
11	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C						
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
12	ENVIVE	41.3	WG			5	oz/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
12	CLASSIC	25	WG	0.02856	lb ai/a			7DBP	A						
12	HARMONY SG	50	SG	0.00918	lb ai/a			7DBP	A						
12	VALOR SX	51	WG	0.09072	lb ai/a			7DBP	A						
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A						
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A						
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E						
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E						
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A	99 a	99 a	99 a	99 a	99 a	99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A						
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C						
13	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C						
13	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C						
13	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C						
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	95 b	89 b	97 b	94 c	99 b	99 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V1-2	B						
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	21DA-B	D						
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	97 ab	99 a	97 b	97 b	99 b	99 a
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C						
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C						
16	NONTREATED									0 c	0 c	0 c	0 d	0 c	0 b

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	ERICA	ERICA	ERICA	ERICA	ERICA	SENGL
Crop Code						
Rating Date	06-04-09	06-26-09	07-10-09	07-24-09	08-21-09	06-04-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B	14 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
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LSD (P=.05)	2.4	3.6	1.0	1.5	0.2	0.0
Replicate F	1.634	1.233	0.283	0.583	2.143	0.000
Replicate Prob(F)	0.1949	0.3089	0.8371	0.6295	0.1080	1.0000
Treatment F	856.842	386.880	4908.057	2075.320	83953.008	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

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

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	GGGAN	GGGAN	GGGAN	GGGAN
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	73	cd	99	a
1	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A			98	a
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				91
1	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
1	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C				
2	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	60	de	99	a
2	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A			96	a
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				86
2	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
2	N-PAK AMS	100	SL	3.13	lb ae/a	2.5	% v/v	6-8"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL			24	fl oz/a	6-8"W-1	C				
3	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	83	bc	98	a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A			99	a
3	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				98
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B				
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	68	d	89	b
4	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A			70	b
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				55
4	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
4	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	6-8"W-1	C				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6-8"W-1	C				
5	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	87	ab	99	a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A			99	a
5	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				98
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B				
5	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	V1-2	B				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	81	bc	99	a
6	SONIC	70	WG	0.141	lb ai/a	3.22	oz/a	7DBP	A			97	a
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	7DBP	A				99
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	6-8"W-2	E				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	94	ab	99	a
7	VALOR XLT	40.3	WG			3	oz/a	7DBP	A			97	a
7	VALOR SX	51	WG	0.056	lb ai/a			7DBP	A				98
7	CLASSIC	25	WG	0.0194	lb ai/a			7DBP	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E				
8	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	23	f	98	a
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A			97	a
8	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				92
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				ab
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C				

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	GGGAN	GGGAN	GGGAN	GGGAN
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
9	CANOPY EX	29.5	WG			1.5	oz/a	7DBP	A	81	bc	99	a
9	CLASSIC	25	WG	0.0212	lb ai/a			7DBP	A			98	a
9	EXPRESS	50	SG	0.00636	lb ai/a			7DBP	A			96	a
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
9	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
9	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
9	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
10	ENVIVE	41.3	WG			3	oz/a	7DBP	A	93	ab	99	a
10	CLASSIC	25	WG	0.01714	lb ai/a			7DBP	A			97	a
10	HARMONY SG	50	SG	0.00551	lb ai/a			7DBP	A				
10	VALOR SX	51	WG	0.05443	lb ai/a			7DBP	A				
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
10	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
10	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
10	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
11	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A	98	a	99	a
11	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A			98	a
11	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	A				
11	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	A				
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
11	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
11	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
11	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
12	ENVIVE	41.3	WG			5	oz/a	7DBP	A	99	a	99	a
12	CLASSIC	25	WG	0.02856	lb ai/a			7DBP	A			98	a
12	HARMONY SG	50	SG	0.00918	lb ai/a			7DBP	A				
12	VALOR SX	51	WG	0.09072	lb ai/a			7DBP	A				
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A	48	e	99	a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A			98	a
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A			97	a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
13	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
13	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
13	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	82	bc	99	a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A			99	a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V1-2	B				
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	21DA-B	D				
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	18	f	99	a
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A			98	a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
16	NONTREATED									0	g	0	c
												0	d

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	GGGAN	GGGAN	GGGAN	GGGAN
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
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LSD (P=.05)	13.5	1.1	3.2	8.5
Replicate F	0.690	3.262	1.250	1.195
Replicate Prob(F)	0.5628	0.0299	0.3028	0.3223
Treatment F	41.583	4193.758	509.967	74.021
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

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

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	97 a	99 ab	95 abc	76 bc
1	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A				
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
1	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
1	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C				
2	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	23 d	98 ab	91 bc	70 cd
2	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A				
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
2	N-PAK AMS	100	SL	3.13	lb ae/a	2.5	% v/v	6-8"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL			24	fl oz/a	6-8"W-1	C				
3	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	50 c	98 ab	99 ab	99 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B				
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	23 d	99 a	99 ab	99 a
4	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A				
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
4	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	6-8"W-1	C				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6-8"W-1	C				
5	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	50 c	99 ab	99 a	99 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B				
5	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	V1-2	B				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	95 a	99 a	93 abc	99 a
6	SONIC	70	WG	0.141	lb ai/a	3.22	oz/a	7DBP	A				
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	7DBP	A				
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	6-8"W-2	E				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	87 ab	99 a	81 d	99 a
7	VALOR XLT	40.3	WG			3	oz/a	7DBP	A				
7	VALOR SX	51	WG	0.056	lb ai/a			7DBP	A				
7	CLASSIC	25	WG	0.0194	lb ai/a			7DBP	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E				
8	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	5 ef	97 bc	75 d	43 f
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C				

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
9	CANOPY EX	29.5	WG			1.5	oz/a	7DBP	A	50 c	98 ab	89 c	68 cd
9	CLASSIC	25	WG	0.0212	lb ai/a			7DBP	A				
9	EXPRESS	50	SG	0.00636	lb ai/a			7DBP	A				
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
9	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
9	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
9	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
10	ENVIVE	41.3	WG			3	oz/a	7DBP	A	94 a	99 ab	91 c	70 cd
10	CLASSIC	25	WG	0.01714	lb ai/a			7DBP	A				
10	HARMONY SG	50	SG	0.00551	lb ai/a			7DBP	A				
10	VALOR SX	51	WG	0.05443	lb ai/a			7DBP	A				
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
10	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
10	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
10	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
11	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A	99 a	99 a	92 abc	87 b
11	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
11	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	A				
11	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	A				
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
11	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
11	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
11	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
12	ENVIVE	41.3	WG			5	oz/a	7DBP	A	99 a	99 a	94 abc	99 a
12	CLASSIC	25	WG	0.02856	lb ai/a			7DBP	A				
12	HARMONY SG	50	SG	0.00918	lb ai/a			7DBP	A				
12	VALOR SX	51	WG	0.09072	lb ai/a			7DBP	A				
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A	15 de	95 cd	89 c	60 de
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
13	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
13	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
13	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	72 b	99 a	99 ab	99 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V1-2	B				
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	21DA-B	D				
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	5 ef	94 d	75 d	53 ef
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
16	NONTREATED									0 f	0 e	0 e	0 g

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
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LSD (P=.05)	14.6	2.1	7.3	11.1
Replicate F	1.289	1.760	4.130	0.161
Replicate Prob(F)	0.2911	0.1683	0.0114	0.9218
Treatment F	55.525	1112.965	87.535	51.086
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

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

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7DBP	A	0 d	91 abc	66 bc	41 bc
1	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A				
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
1	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
1	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C				
2	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	3 d	87 bcd	55 cde	28 cd
2	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A				
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
2	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
2	N-PAK AMS	100	SL	3.13	lb ae/a	2.5	% v/v	6-8"W-1	C				
2	TOUCHDOWN TOTAL	4.17	SL			24	fl oz/a	6-8"W-1	C				
3	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	40 b	93 ab	95 a	97 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
3	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B				
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
3	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7DBP	A	23 c	92 abc	48 cde	18 de
4	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A				
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
4	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
4	FLEXSTAR GT	3.31	SL	1.24	lb ae/a	3	pt/a	6-8"W-1	C				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6-8"W-1	C				
5	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	93 a	98 a	99 a	98 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
5	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V1-2	B				
5	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	V1-2	B				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	D				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	97 a	97 a	88 a	98 a
6	SONIC	70	WG	0.141	lb ai/a	3.22	oz/a	7DBP	A				
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	7DBP	A				
6	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
6	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	6-8"W-2	E				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	%v/v	7DBP	A	95 a	94 ab	58 cde	98 a
7	VALOR XLT	40.3	WG			3	oz/a	7DBP	A				
7	VALOR SX	51	WG	0.056	lb ai/a			7DBP	A				
7	CLASSIC	25	WG	0.0194	lb ai/a			7DBP	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E				
8	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7DBP	A	5 d	87 bcd	45 de	23 d
8	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
8	PRIME OIL COC	100	SL	1	% v/v	1	%v/v	7DBP	A				
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	6-8"W-1	C				

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

										ABUTH	ABUTH	ABUTH	ABUTH
Pest Code										06-26-09	07-10-09	07-24-09	08-21-09
Crop Code										Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent
Rating Data Type													
Rating Unit													
Rating Timing													
Trt-Eval Interval										0 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
9	CANOPY EX	29.5	WG			1.5	oz/a	7DBP	A	92 a	97 a	86 ab	91 a
9	CLASSIC	25	WG	0.0212	lb ai/a			7DBP	A				
9	EXPRESS	50	SG	0.00636	lb ai/a			7DBP	A				
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
9	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
9	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
9	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
10	ENVIVE	41.3	WG			3	oz/a	7DBP	A	95 a	96 a	92 a	95 a
10	CLASSIC	25	WG	0.01714	lb ai/a			7DBP	A				
10	HARMONY SG	50	SG	0.00551	lb ai/a			7DBP	A				
10	VALOR SX	51	WG	0.05443	lb ai/a			7DBP	A				
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
10	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
10	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
10	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
11	ENVIVE	41.3	WG			3.5	oz/a	7DBP	A	98 a	98 a	88 a	97 a
11	CLASSIC	25	WG	0.02	lb ai/a			7DBP	A				
11	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	A				
11	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	A				
11	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
11	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
11	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
11	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
12	ENVIVE	41.3	WG			5	oz/a	7DBP	A	98 a	98 a	90 a	99 a
12	CLASSIC	25	WG	0.02856	lb ai/a			7DBP	A				
12	HARMONY SG	50	SG	0.00918	lb ai/a			7DBP	A				
12	VALOR SX	51	WG	0.09072	lb ai/a			7DBP	A				
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-2	E				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-2	E				
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7DBP	A	18 c	83 d	63 cd	50 b
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
13	SYNCHRONY XP	28.4	WG			0.375	oz/a	6-8"W-1	C				
13	CLASSIC	25	WG	0.00504	lb ai/a			6-8"W-1	C				
13	HARMONY SG	50	SG	0.00162	lb ai/a			6-8"W-1	C				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	19 c	85 cd	94 a	98 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V1-2	B				
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1-2	B				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	21DA-B	D				
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-B	D				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7DBP	A	5 d	86 bcd	40 e	18 de
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DBP	A				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W-1	C				
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W-1	C				
16	NONTREATED									0 d	0 e	0 f	0 e

PRE and POST Programs in No-Till Soybean.

Trial ID: 09-1-MMW80

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code				
Rating Date	06-26-09	07-10-09	07-24-09	08-21-09
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing				
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
LSD (P=.05)									
Replicate F									
Replicate Prob(F)									
Treatment F									
Treatment Prob(F)									

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

Trial Comments

1. Protocol: Syngenta (HAJM03X4); DuPont.
2. Ratings: CI at 3-7, 14 + 28 da B; WC at 0, 14, 28 + 56 da B.
3. Yield.
4. Planting was delayed due to wet field conditions.
Plots were evaluated for crop injury on 6-30-09 (4 DA-B), but crop had not emerged, not rated.
GGGAN = Annual grasses including SETFA (giant foxtail) and PANDI (fall panicum).
5. Harvested 11-5-09, (2) 30 inch rows by 28 ft.