

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

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: Evalaute preplant soybean burndown efficacy and tolerance of Kixor based brands, Sharpen, and Optill, in 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: SENGL	Senecio glabellus Poir.	groundsel, cressleaf
Pest 4 Type: W	Code: CHEAL	Chenopodium album L.	lambsquarters, common
Pest 5 Type: W	Code: ERICA	Conyza canadensis (L.) Crong.	horseweed
Pest 6 Type: W	Code: SETFA	Setaria faberi Herrm.	foxtail, giant
Pest 7 Type: W	Code: AMATA	Amaranthus rudis Sauer	waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 27 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 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
Application Date:	05-21-09	07-16-09
Time of Day:	17:30	10:15
Application Method:	Spray	Spray
Application Timing:	7-14EPP	8WA-A
Application Placement:	BROFOL	BROFOL
Applied By:	NVH	DKP
Air Temperature, Unit:	82 F	80 F
% Relative Humidity:	60	80
Wind Velocity, Unit:	5 MPH	3 MPH
Wind Direction:	SE	N
Dew Presence (Y/N):	N	N
Soil Moisture:	ABONOR	NORMAL
% Cloud Cover:	25	40
	05-21-09	07-16-09
Crop stage at application:	NA	V2
Height Min, Max (inch):	5	9

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	Pest Stage At Each Application			
Application Date:	05-21-09	07-16-09		
Weed Code:	HORPU	HORPU		
Stage Majority (leaves):	20	NA		
Stage Min, Max:	15	35		
Height Majority:	19	IN		
Height Min, Max:	8	24		
Density, Unit:	4	FT2		
Weed Code:	AMBTR	AMBTR		
Stage Majority (leaves):	5	16		
Stage Min, Max:	2	8	8	40
Height Majority:	4	IN	10	IN
Height Min, Max:	2	8	6	54
Density, Unit:	0.1	FT2	0.1	FT2
Weed Code:	SENGL	SENGL		
Stage Majority (leaves):	15	NA		
Stage Min, Max:	COTY	25		
Height Majority:	22	IN		
Height Min, Max:	0.5	48		
Density, Unit:	2	FT2		
Weed Code:	CHEAL	CHEAL		
Stage Majority (leaves):	4	NA		
Stage Min, Max:	2	6		
Height Majority:	3	IN		
Height Min, Max:	1	6		
Density, Unit:	0.2	FT2		
Weed Code:	ERICA	ERICA		
Stage Majority (leaves):	7	20		
Stage Min, Max:	7	10	10	20
Height Majority:	2	IN	4	IN
Height Min, Max:	2	4	2	8
Density, Unit:	0.01	FT2	0.01	FT2
Weed Code:	SETFA	SETFA		
Stage Majority (leaves):	NA	8		
Stage Min, Max:		2	12	
Height Majority:		8	IN	
Height Min, Max:		3	42	
Density, Unit:		1	FT2	
Weed Code:	AMATA	AMATA		
Stage Majority (leaves):	NA	12		
Stage Min, Max:		4	40	
Height Majority:		8	IN	
Height Min, Max:		4	36	
Density, Unit:		0.1	FT2	

Application Equipment

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

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

GLXMA 11-05-09 Moisture Percent	GLXMA 11-05-09 Yield bu/A	GLXMA 07-16-09 Injury Percent	GLXMA 07-16-09 Necrosis Percent	GLXMA 10-15-09 Injury Percent	GLXMA 10-15-09 Necrosis Percent
		56 DA-A	56 DA-A	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									12.4 a	6 c	0 a	0 a	0 a	0 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	11.9 bc	40 ab	0 a	0 a	0 a	0 a
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP	A						
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	11.7 bcd	39 ab	0 a	0 a	0 a	0 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-14EPP	A						
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP	A						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.7 bcd	41 ab	0 a	0 a	0 a	0 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
4	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
5	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-14EPP	A	11.9 bc	41 ab	0 a	0 a	0 a	0 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
5	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
5	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.7 bcd	41 ab	0 a	0 a	0 a	0 a
6	EXTREME	2.17	SL	0.81	lb ai/a	48	fl oz/a	7-14EPP	A						
6	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.8 bcd	39 b	0 a	0 a	0 a	0 a
7	PROWL H2O	3.8	CS	0.95	lb ai/a	32	fl oz/a	7-14EPP	A						
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.7 bcd	43 ab	0 a	0 a	0 a	0 a
8	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	7-14EPP	A						
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
8	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.8 bcd	41 ab	0 a	0 a	0 a	0 a
9	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP	A						
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
9	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						

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GLXMA 11-05-09 Moisture Percent	GLXMA 11-05-09 Yield bu/A	GLXMA 07-16-09 Injury Percent	GLXMA 07-16-09 Necrosis Percent	GLXMA 10-15-09 Injury Percent	GLXMA 10-15-09 Necrosis Percent
		56 DA-A	56 DA-A	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.8	bcd	43	a	0	a
10	VALOR XLT	40.3	WG			3.5	oz/a	7-14EPP	A					0	a
10	VALOR SX	51	WG	0.0653	lb ai/a			7-14EPP	A						
10	CLASSIC	25	WG	0.0227	lb ai/a			7-14EPP	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
10	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.7	bcd	40	ab	0	a
11	SPARTAN	4	SC	0.125	lb ai/a	4	fl oz/a	7-14EPP	A					0	a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
11	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.6	d	41	ab	0	a
12	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A					0	a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
12	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
12	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
13	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.8	bcd	40	ab	0	a
13	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	7-14EPP	A					0	a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
13	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
13	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	11.6	cd	41	ab	0	a
14	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	7-14EPP	A					0	a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
14	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
14	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
15	RAGE D-TECH	4.06	EC	0.51	lb ai/a	1	pt/a	7-14EPP	A	11.9	b	42	ab	0	a
15	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A					0	a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
15	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	11.7	cd	40	ab	0	a
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A					0	a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
16	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
17	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	11.6	cd	41	ab	0	a
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A					0	a
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
17	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						

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GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
11-05-09	11-05-09	07-16-09	07-16-09	10-15-09	10-15-09
Moisture	Yield	Injury	Necrosis	Injury	Necrosis
Percent	bu/A	Percent	Percent	Percent	Percent
		56 DA-A	56 DA-A	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	11.7	cd	41	ab	0	a
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-14EPP	A					0	a
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A					0	a
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
18	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
LSD (P=.05)										0.26		4.1		0.0	0.0
Replicate F										2.596		1.326		0.000	0.000
Replicate Prob(F)										0.0893		0.2790		1.0000	1.0000
Treatment F										3.686		35.555		0.000	0.000
Treatment Prob(F)										0.0006		0.0001		1.0000	1.0000

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

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										HORPU	HORPU	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Pest Code										05-28-09	06-04-09	05-28-09	06-04-09	06-18-09	07-16-09	10-15-09
Crop Code										Control	Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type																
Rating Unit																
Rating Timing																
Trt-Eval Interval										7 DA-A	14 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A	EOS
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
1	NONTREATED									0 b	0 b	0 d	0 c	0 c	0 d	0 c
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	99 a	99 a	90 c	99 b	99 a	82 b	98 ab
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP	A							
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	99 a	99 a	96 b	99 a	99 a	93 ab	99 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-14EPP	A							
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP	A							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	98 a	87 ab	97 b
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
4	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
5	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	95 ab	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
5	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
5	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	97 a	99 a
6	EXTREME	2.17	SL	0.81	lb ai/a	48	fl oz/a	7-14EPP	A							
6	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	90 ab	99 a
7	PROWL H2O	3.8	CS	0.95	lb ai/a	32	fl oz/a	7-14EPP	A							
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	99 a	99 a
8	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	7-14EPP	A							
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
8	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	89 ab	99 a
9	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP	A							
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
9	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

										HORPU	HORPU	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Pest Code										05-28-09	06-04-09	05-28-09	06-04-09	06-18-09	07-16-09	10-15-09
Crop Code										Control	Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type																
Rating Unit																
Rating Timing																
Trt-Eval Interval										7 DA-A	14 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A	EOS
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	99 a	99 a
10	VALOR XLT	40.3	WG			3.5	oz/a	7-14EPP	A							
10	VALOR SX	51	WG	0.0653	lb ai/a			7-14EPP	A							
10	CLASSIC	25	WG	0.0227	lb ai/a			7-14EPP	A							
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
10	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	99 a	99 a
11	SPARTAN	4	SC	0.125	lb ai/a	4	fl oz/a	7-14EPP	A							
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
11	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	98 ab	99 a	99 a	91 ab	99 a
12	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A							
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
12	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
12	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
13	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	96 a	99 a
13	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	7-14EPP	A							
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
13	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
13	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	94 ab	99 a
14	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	7-14EPP	A							
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
14	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
14	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
15	RAGE D-TECH	4.06	EC	0.51	lb ai/a	1	pt/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	98 a	99 a
15	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A							
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
15	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99 a	99 a	99 a	99 a	90 b	67 c	99 a
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
16	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
17	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99 a	99 a	99 a	99 a	96 a	87 ab	98 ab
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A							
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
17	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

										HORPU	HORPU	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Pest Code										05-28-09	06-04-09	05-28-09	06-04-09	06-18-09	07-16-09	10-15-09
Crop Code										Control	Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type																
Rating Unit																
Rating Timing																
Trt-Eval Interval										7 DA-A	14 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A	EOS
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	96 a	99 a
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-14EPP A								
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A								
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
18	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
LSD (P=.05)										0.0	0.0	2.3	0.2	4.3	13.5	1.9
Replicate F										0.000	0.000	0.615	1.000	0.428	0.191	0.754
Replicate Prob(F)										1.0000	1.0000	0.5463	0.3784	0.6551	0.8269	0.4781
Treatment F										0.000	0.000	883.716	88175.071	238.921	24.305	1273.264
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

										SENGL	SENGL	CHEAL	CHEAL	CHEAL	CHEAL
Pest Code										05-28-09	06-04-09	05-28-09	06-04-09	06-18-09	07-16-09
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										7 DA-A	14 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 b	0 b	0 b	0 b	0 c	0 c
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	99 a
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP A							
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP 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	16	fl oz/a	7-14EPP A							
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP A							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A							
4	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
5	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A							
5	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
5	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	99 a
6	EXTREME	2.17	SL	0.81	lb ai/a	48	fl oz/a	7-14EPP A							
6	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	99 a
7	PROWL H2O	3.8	CS	0.95	lb ai/a	32	fl oz/a	7-14EPP A							
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A							
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	96 ab
8	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	7-14EPP A							
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A							
8	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	96 ab
9	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP A							
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A							
9	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A							
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B							
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B							

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code	SENGL	SENGL	CHEAL	CHEAL	CHEAL	CHEAL
Crop Code						
Rating Date	05-28-09	06-04-09	05-28-09	06-04-09	06-18-09	07-16-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	7 DA-A	14 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99	a	99	a	99	a
10	VALOR XLT	40.3	WG			3.5	oz/a	7-14EPP	A						96 ab
10	VALOR SX	51	WG	0.0653	lb ai/a			7-14EPP	A						
10	CLASSIC	25	WG	0.0227	lb ai/a			7-14EPP	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
10	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99	a	99	a	99	a
11	SPARTAN	4	SC	0.125	lb ai/a	4	fl oz/a	7-14EPP	A						
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
11	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99	a	99	a	99	a
12	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A						96 ab
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
12	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
12	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
13	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99	a	99	a	99	a
13	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	7-14EPP	A						
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
13	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
13	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99	a	99	a	99	a
14	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	7-14EPP	A						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
14	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
14	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
15	RAGE D-TECH	4.06	EC	0.51	lb ai/a	1	pt/a	7-14EPP	A	99	a	99	a	99	a
15	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A						
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
15	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99	a	99	a	99	a
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A					93 b	96 ab
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
16	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
17	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99	a	99	a	99	a
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A						89 b
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
17	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code	SENGL	SENGL	CHEAL	CHEAL	CHEAL	CHEAL
Crop Code						
Rating Date	05-28-09	06-04-09	05-28-09	06-04-09	06-18-09	07-16-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	7 DA-A	14 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99	a	99	a	99	a
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-14EPP	A						
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A						
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B						
18	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B						
LSD (P=.05)										0.0		0.0		0.0	
Replicate F										0.000		0.000		0.000	
Replicate Prob(F)										1.0000		1.0000		1.0000	
Treatment F										0.000		0.000		0.000	
Treatment Prob(F)										1.0000		1.0000		1.0000	

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

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code									ERICA	ERICA	ERICA	ERICA	SETFA	GGGAN	GGGAN	
Crop Code									05-28-09	06-04-09	06-18-09	07-16-09	06-18-09	07-16-09	10-15-09	
Rating Date									Control	Control	Control	Control	Control	Control	Control	
Rating Data Type									Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Unit																
Rating Timing																
Trt-Eval Interval									7 DA-A	14 DA-A	28 DA-A	56 DA-A	28 DA-A	56 DA-A	EOS	
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 b	0 c	0 e	0 b
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		96 b	99 b	99 b	98 a	94 a	13 de	99 a
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP A								
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		96 b	99 a	99 a	99 a	93 a	13 de	99 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-14EPP A								
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP A								
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	91 a	22 cde	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A								
4	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A								
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
5	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	83 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A								
5	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A								
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
5	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	78 a	99 a
6	EXTREME	2.17	SL	0.81	lb ai/a	48	fl oz/a	7-14EPP A								
6	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A								
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	96 a	96 a	23 cde	99 a
7	PROWL H2O	3.8	CS	0.95	lb ai/a	32	fl oz/a	7-14EPP A								
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A								
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A								
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	99 a	99 a	40 bcd	99 a
8	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	7-14EPP A								
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A								
8	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A								
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		99 a	99 a	99 a	98 a	93 a	43 bc	99 a
9	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP A								
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A								
9	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A								
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A								
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B								
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B								
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B								

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

										ERICA	ERICA	ERICA	ERICA	SETFA	GGGAN	GGGAN
Pest Code										05-28-09	06-04-09	06-18-09	07-16-09	06-18-09	07-16-09	10-15-09
Crop Code										Control	Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type																
Rating Unit																
Rating Timing																
Trt-Eval Interval										7 DA-A	14 DA-A	28 DA-A	56 DA-A	28 DA-A	56 DA-A	EOS
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	98 a	99 a	84 a	99 a
10	VALOR XLT	40.3	WG			3.5	oz/a	7-14EPP	A							
10	VALOR SX	51	WG	0.0653	lb ai/a			7-14EPP	A							
10	CLASSIC	25	WG	0.0227	lb ai/a			7-14EPP	A							
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
10	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	96 a	43 bc	99 a
11	SPARTAN	4	SC	0.125	lb ai/a	4	fl oz/a	7-14EPP	A							
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
11	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	99 a	93 a	47 bc	99 a
12	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A							
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
12	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
12	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
13	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	98 a	98 a	43 bc	99 a
13	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	7-14EPP	A							
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
13	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
13	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	99 a	96 a	98 a	47 bc	99 a
14	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	7-14EPP	A							
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
14	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
14	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
15	RAGE D-TECH	4.06	EC	0.51	lb ai/a	1	pt/a	7-14EPP	A	99 a	99 a	99 a	99 a	99 a	63 ab	99 a
15	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A							
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A							
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A							
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
15	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99 a	99 a	99 a	98 a	57 b	13 de	99 a
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
16	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							
17	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99 a	99 a	99 a	96 a	99 a	63 ab	99 a
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A							
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A							
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B							
17	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B							
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B							

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code	ERICA	ERICA	ERICA	ERICA	SETFA	GGGAN	GGGAN
Crop Code							
Rating Date	05-28-09	06-04-09	06-18-09	07-16-09	06-18-09	07-16-09	10-15-09
Rating Data Type	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing							
Trt-Eval Interval	7 DA-A	14 DA-A	28 DA-A	56 DA-A	28 DA-A	56 DA-A	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP	A	99	a	99	a	99	a	99	a
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-14EPP	A								
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A								
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A	B								
18	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A	B								
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A	B								
LSD (P=.05)										2.8	0.2	0.2	4.0	20.6	26.9	0.0	
Replicate F										2.125	1.000	1.000	1.242	1.045	2.819	0.000	
Replicate Prob(F)										0.1350	0.3784	0.3784	0.3017	0.3629	0.0737	1.0000	
Treatment F										575.406	88175.071	88175.071	282.997	11.459	7.306	0.000	
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	

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

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code	AMATA	AMATA
Crop Code		
Rating Date	07-16-09	10-15-09
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing		
Trt-Eval Interval	56 DA-A	EOS

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 b
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		0 f	95 a
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP A			
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		3 f	99 a
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	16	fl oz/a	7-14EPP A			
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7-14EPP A			
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		23 e	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
4	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
5	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-14EPP A		0 f	96 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
5	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
5	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		7 ef	99 a
6	EXTREME	2.17	SL	0.81	lb ai/a	48	fl oz/a	7-14EPP A			
6	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		67 bc	99 a
7	PROWL H2O	3.8	CS	0.95	lb ai/a	32	fl oz/a	7-14EPP A			
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		10 ef	97 a
8	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	7-14EPP A			
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
8	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		87 a	99 a
9	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP A			
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
9	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code	AMATA	AMATA
Crop Code		
Rating Date	07-16-09	10-15-09
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing		
Trt-Eval Interval	56 DA-A	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		57	cd
10	VALOR XLT	40.3	WG			3.5	oz/a	7-14EPP A			99 a
10	VALOR SX	51	WG	0.0653	lb ai/a			7-14EPP A			
10	CLASSIC	25	WG	0.0227	lb ai/a			7-14EPP A			
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
10	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		73	abc
11	SPARTAN	4	SC	0.125	lb ai/a	4	fl oz/a	7-14EPP A			99 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
11	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
12	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		87	a
12	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP A			99 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
12	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
12	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
13	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		83	ab
13	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	7-14EPP A			99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
13	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
13	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
14	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP A		80	ab
14	AUTHORITY ASSIST	4	SL	0.156	lb ai/a	5	fl oz/a	7-14EPP A			99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
14	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
14	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
15	RAGE D-TECH	4.06	EC	0.51	lb ai/a	1	pt/a	7-14EPP A		43	d
15	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP A			99 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A			
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	7-14EPP A			
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A			
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
15	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
16	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP A		0	f
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A			99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
16	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
17	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP A		70	abc
17	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP A			97 a
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A			
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
17	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			

Kixor Preplant Herbicide Combinations in No-Till Soybean.

Trial ID: 09-1-MME60

Location: Belleville Res. Center

Pest Code	AMATA	AMATA
Crop Code		
Rating Date	07-16-09	10-15-09
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing		
Trt-Eval Interval	56 DA-A	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
18	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	7-14EPP A		8 ef	96 a
18	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-14EPP A			
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A			
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	8WA-A B			
18	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	8WA-A B			
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	8WA-A B			
LSD (P=.05)										18.5	4.2
Replicate F										0.793	1.882
Replicate Prob(F)										0.4606	0.1678
Treatment F										31.503	257.241
Treatment Prob(F)										0.0001	0.0001

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

Trial Comments

1. Protocol: BASF (D91), FMC, Syngenta.
2. Ratings: WC at 7 DA-A; CI/necrosis/WC at 14, 28, 56 + 84 DA-A and at harvest.
3. Yield.
4. Planting was delayed due to wet field conditions.
Not possible to rate crop injury at 7, 14, or 28 DA-A due to late planting.
The planned 84 DA-A rating was not made due to an oversight.
5. GGGAN = Annual grasses including SETFA (giant foxtail) and PANDI (fall panicum).
6. Harvested 11-5-09, (2) 30 inch rows by 24 ft.