

Kixor Preplant Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy Location: Young Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Murphysboro IL 62966 USA
 Trial Status: FINAL Initiation Date: 05-18-09

Objectives: Evalaute preplant soybean burndown efficacy and tolerance of Kixor based brands, Sharpen, and Optill, in soybean.

Crop 1: GLXMA Soybean Variety: AG 3905 Description: RR
 Planting Method: SEEDED Planting Date: 05-25-09
 Rate, Unit: 75 LB/A Depth, Unit: 1.25 IN
 Row Spacing, Unit: 30 IN
 Soil Moisture: ABOVE NORMAL

Pest 1 Type: W Code: ERICA Conyza canadensis (L.) Crong. horseweed
 Pest Description: glyphosate-resistant marestail
 Pest 2 Type: W Code: AMASS Amaranthus species amaranthus species
 Pest 3 Type: W Code: MEDSS Medicago species medicago species

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2008

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

% OM: 2.1 Texture: VERY FINE SANDY LOAM
 pH: 5 Soil Name: ALVIN
 CEC: 9 Fert. Level: P1 133 LB/A, K 209 LB/A

Application Description

	A	B
Application Date:	05-18-09	07-14-09
Time of Day:	10:30	10:00
Application Method:	Spray	Spray
Application Timing:	7-14EPP	8WA-A
Application Placement:	BROFOL	BROFOL
Applied By:	NRJ	DKT
Air Temperature, Unit:	65 F	78 F
% Relative Humidity:	31	51
Wind Velocity, Unit:	6 MPH	2 MPH
Wind Direction:	NE	E
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	61 F	78 F
Soil Moisture:	ABONOR	NORMAL
% Cloud Cover:	5	75

	A	B
Crop stage at application:	NA	R1
Height Min, Max (inch):		36 40

Pest Stage At Each Application

	A	B
Application Date:	05-18-09	07-14-09
Weed Code:	ERICA	ERICA
Stage Majority (leaves):	11	60
Stage Min, Max:	3 30	20 80
Height Majority:	4	IN 36 IN
Height Min, Max:	0.5 8	8 48
Density, Unit:	2 FT2	2 FT2
Weed Code:	AMASS	AMASS
Stage Majority (leaves):	4	25
Stage Min, Max:	2 11	12 40
Height Majority:	1.5	IN 40 IN
Height Min, Max:	0.5 3	8 60
Density, Unit:	0.2 FT2	5 FT2
Weed Code:	MEDSS	MEDSS
Stage Majority (leaves):	30	NA
Stage Min, Max:	20	60
Height Majority:	2.5	IN
Height Min, Max:	1	6
Density, Unit:	2	FT2

Application Equipment

	A	B
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:	6.67 FT	6.67 FT
Spray Volume, Unit:	15 GPA	15 GPA

Kixor Preplant Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy

Location: Young Res. Center

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

GLXMA 11-06-09 Moisture Percent	GLXMA 11-06-09 Yield bu/A	GLXMA 06-01-09 Injury Percent	GLXMA 06-01-09 Necrosis Percent	GLXMA 06-15-09 Injury Percent	GLXMA 06-15-09 Necrosis Percent
		14 DA-A	14 DA-A	28 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									11.9 a	19 d	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	11.3 ab	36 bc	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	11.2 b	35 c	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	11.4 ab	43 a	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	11.4 ab	45 a	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	11.4 ab	45 a	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	11.3 ab	40 abc	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	11.2 b	44 a	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	11.1 b	42 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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Trt-Eval Interval

GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
11-06-09	11-06-09	06-01-09	06-01-09	06-15-09	06-15-09
Moisture	Yield	Injury	Necrosis	Injury	Necrosis
Percent	bu/A	Percent	Percent	Percent	Percent
		14 DA-A	14 DA-A	28 DA-A	28 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	11.1	b	42	abc	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	11.4	ab	44	a	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	11.4	ab	43	a	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						
LSD (P=.05)										0.64		6.9		0.0	
Replicate F										0.107		8.743		0.000	
Replicate Prob(F)										0.8991		0.0016		1.0000	
Treatment F										0.865		9.535		0.000	
Treatment Prob(F)										0.5844		0.0001		1.0000	

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

Kixor Preplant Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy

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Trt-Eval Interval

GLXMA 08-10-09 Injury Percent 27 DA-B 84 DA-A	GLXMA 08-10-09 Necrosis Percent 27 DA-B 84 DA-A	GLXMA 10-21-09 Injury Percent EOS	GLXMA 10-21-09 Necrosis Percent EOS
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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	NONTREATED										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		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		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		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		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		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		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		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		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 08-10-09 Injury Percent 27 DA-B 84 DA-A	GLXMA 08-10-09 Necrosis Percent 27 DA-B 84 DA-A	GLXMA 10-21-09 Injury Percent EOS	GLXMA 10-21-09 Necrosis Percent EOS
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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		0 a	0 a	0 a	0 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		0 a	0 a	0 a	0 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		0 a	0 a	0 a	0 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					
LSD (P=.05)										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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

Kixor Preplant Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy

Location: Young Res. Center

										ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
Pest Code										05-25-09	06-01-09	06-15-09	07-13-09	08-10-09	10-21-09
Crop Code										BD-Control	BD-Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type													-1 DA-B	27 DA-B	
Rating Unit															
Rating Timing															
Trt-Eval Interval										7 DA-A	14 DA-A	28 DA-A	56 DA-A	84 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 d	0 d	0 c	0 c	0 b	0 c
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	28 c	43 c	60 b	50 b	99 a	98 b
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	62 b	94 b	97 a	96 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	97 a	97 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	98 a	98 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	98 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	97 a	99 a	98 ab
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	98 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	98 a	99 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 Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy Location: Young Res. Center

										ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
Pest Code										05-25-09	06-01-09	06-15-09	07-13-09	08-10-09	10-21-09
Crop Code										BD-Control	BD-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	28 DA-A	56 DA-A	84 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
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
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	98 a	99 a	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							
LSD (P=.05)										3.9	3.0	5.0	5.5	0.0	0.7
Replicate F										1.571	1.894	0.693	1.131	0.000	2.014
Replicate Prob(F)										0.2302	0.1742	0.5107	0.3406	1.0000	0.1573
Treatment F										648.916	965.592	298.278	259.429	0.000	13626.199
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

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

Kixor Preplant Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy

Location: Young Res. Center

										AMASS	AMASS	AMASS	AMASS	AMASS	AMASS
Pest Code										05-25-09	06-01-09	06-15-09	07-13-09	08-10-09	10-21-09
Crop Code										BD-Control	BD-Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type													-1 DA-B	27 DA-B	
Rating Unit															
Rating Timing															
Trt-Eval Interval										7 DA-A	14 DA-A	28 DA-A	56 DA-A	84 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 d	0 d	0 d	0 e	0 e
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	67 b	90 c	33 c	7 d	78 d	96 d
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	98 b	60 b	17 d	95 abc	97 abc
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	53 b	15 d	92 c	97 cd
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	91 a	53 bc	91 c	98 abc
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	90 a	45 c	94 bc	98 abc
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	86 a	47 bc	99 a	97 bcd
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	88 a	57 bc	99 ab	98 abc
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	92 a	65 b	99 a	98 abc
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 Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy Location: Young Res. Center

										AMASS	AMASS	AMASS	AMASS	AMASS	AMASS
Pest Code										05-25-09	06-01-09	06-15-09	07-13-09	08-10-09	10-21-09
Crop Code										BD-Control	BD-Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type													-1 DA-B	27 DA-B	
Rating Unit										7 DA-A	14 DA-A	28 DA-A	56 DA-A	84 DA-A	EOS
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						
10	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-14EPP	A	99 a	99 a	98 a	96 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	97 a	99 a	98 abc
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 a	95 a	99 a	98 ab
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						
LSD (P=.05)										2.8	1.1	18.5	19.2	4.4	1.6
Replicate F										1.000	1.000	0.321	1.787	0.313	0.478
Replicate Prob(F)										0.3840	0.3840	0.7291	0.1909	0.7346	0.6262
Treatment F										923.800	5453.773	24.458	28.476	354.503	2560.229
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Kixor Preplant Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy

Location: Young Res. Center

Pest Code	MEDSS	MEDSS	MEDSS
Crop Code			
Rating Date	05-25-09	06-01-09	06-15-09
Rating Data Type	BD-Control	BD-Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	7 DA-A	14 DA-A	28 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 c	0 c	0 b
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	82 b	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	80 b	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	97 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	96 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	98 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	98 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	98 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	98 a	99 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 Efficacy in No-Till Soybean.

Trial ID: 09-YRC-SharpenSoy Location: Young Res. Center

Pest Code	MEDSS	MEDSS	MEDSS
Crop Code			
Rating Date	05-25-09	06-01-09	06-15-09
Rating Data Type	BD-Control	BD-Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	7 DA-A	14 DA-A	28 DA-A

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		98 a	99 b	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
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		98 a	99 a	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				
LSD (P=.05)										3.5	0.3	0.0
Replicate F										0.871	1.000	0.000
Replicate Prob(F)										0.4323	0.3840	1.0000
Treatment F										560.426	88156.009	0.000
Treatment Prob(F)										0.0001	0.0001	1.0000

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

Trial Comments

EOS1. Protocol: BASF (D91).

2. Ratings: WC at 7 DA-A; CI/necrosis/WC at 14, 28, 56 + 84 DA-A and at harvest.

3. Yield.

4. DA-A = Days after 7-14EPP application.

5. On 6-1-09 soybeans were just emerged, no leaves unfolded, just cotyledons.

6. BD-Control = Burndown control.

Control on 6-15-09 and 7-13-09 was a combination of burndown and residual.

ERICA-HR = Herbicide-resistant marestail (glyphosate).

AMASS = Amaranth species including AMATA (common waterhemp) and AMARE (redroot pigweed).

EOS = End of season.

7. Harvested 11-6-09, (2) 30 inch rows by 26.7 ft.