

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

<p>Trial Status: F one-year/final Initiation Date: 6-12-15 Completion Date: 10-19-15</p>	Trial Location
<p>City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221</p>	

Objectives:
Evaluate crop protection programs from Monsanto for weed control and crop response.

<p>Study Director: Ronald F. Krausz Organization: Belleville Research Center - Southern Illinois Univ Carbondale Address: 2036 Charles Lane City+State/Prov: Belleville, IL Postal Code: 62221 Country: USA</p>	<p style="text-align: center;">Contacts</p> <p>Title: Researcher/Farm Manager Phone No.: 618-566-4761 E-mail: rkrausz@siu.edu</p>
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<p>Crop 1: GLXMA Glycine max Soybean Variety: AG3832 BBCH Scale: BSOY Description: RR2Y</p>	Crop Description
<p>Planting Rate, Unit: 140000 S/A Depth, Unit: 1 IN Row Spacing, Unit: 30 IN</p>	<p>Planting Date: 6-12-15 Planting Method: SEEDED</p>

<p>Pest 1 Type: W Code: PANDI Panicum dichotomiflorum Michx. Common Name: panicum, fall</p> <p>Pest 2 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant</p> <p>Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common</p> <p>Pest 4 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. Common Name: morningglory, ivyleaf</p>	Pest Description
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<p>Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 27 FT Total Plot Length: 27 FT</p> <p>Replications: 3 Untreated Arrangement: INCLUDED single control randomized in each block</p>	<p style="text-align: center;">Site and Design</p> <p>Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB� Randomized Complete Block (RCB)</p>						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 45%;">Previous Crop</th> <th style="width: 50%;">Year</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>ZEAMD</td> <td>2014</td> </tr> </tbody> </table>		No.	Previous Crop	Year	1.	ZEAMD	2014
No.	Previous Crop	Year					
1.	ZEAMD	2014					

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 95%;">Maintenance Product Name</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A</td> </tr> </tbody> </table>	No.	Maintenance Product Name	1.	N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A	Maintenance
No.	Maintenance Product Name				
1.	N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A				

<p>Description Name: 50W_2013 % OM: 2.7 Texture: SIL silt loam pH: 6.8 Soil Name: Pierron CEC: 9</p>	Soil Description									
Additional Measured Elements										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Element</th> <th style="width: 35%;">Quantity</th> <th style="width: 50%;">Unit</th> </tr> </thead> <tbody> <tr> <td>P1</td> <td>54</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>262</td> <td>lb/A</td> </tr> </tbody> </table>		Element	Quantity	Unit	P1	54	lb/A	K	262	lb/A
Element	Quantity	Unit								
P1	54	lb/A								
K	262	lb/A								

<p>Overall Moisture Conditions: ABONOR Closest Weather Station: ICN - Belleville IL</p>	Moisture and Weather Conditions
	<p>Distance, Unit: 0.5 MI</p>

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No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	4-1-15					7	DAY	33	76	F
2.	4-2-15	0.84	IN	RAIN	rain	2	DAY			
3.	4-6-15	0.95	IN	RAIN	rain	4	DAY			
4.	4-8-15					7	DAY	43	78	F
5.	4-13-15	1.02	IN	RAIN	rain	1	DAY			
6.	4-15-15					7	DAY	42	79	F
7.	4-19-15	0.42	IN	RAIN	rain	1	DAY			
8.	4-22-15					7	DAY	36	77	F
9.	4-25-15	0.35	IN	RAIN	rain	1	DAY			
10.	4-29-15					7	DAY	36	84	F
11.	5-6-15					7	DAY	49	85	F
12.	5-8-15	4.09	IN	RAIN	rain	4	DAY			
13.	5-13-15					7	DAY	45	83	F
14.	5-14-15	0.33	IN	RAIN	rain	4	DAY			
15.	5-20-15					7	DAY	44	85	F
16.	5-20-15	0.16	IN	RAIN	rain	1	DAY			
17.	5-24-15	0.89	IN	RAIN	rain	1	DAY			
18.	5-26-15	0.59	IN	RAIN	rain	2	DAY			
19.	5-27-15					7	DAY	55	84	F
20.	5-29-15	2.15	IN	RAIN	rain	2	DAY			
21.	6-3-15					7	DAY	53	89	F
22.	6-5-15	0.17	IN	RAIN	rain	1	DAY			
23.	6-8-15	0.66	IN	RAIN	rain	1	DAY			
24.	6-10-15					7	DAY	64	91	F
25.	6-14-15	0.16	IN	RAIN	rain	1	DAY			
26.	6-15-15	0.11	IN	RAIN	rain	1	DAY			
27.	6-16-15	2.25	IN	RAIN	rain	1	DAY			
28.	6-17-15					7	DAY	69	91	F
29.	6-17-15	0.09	IN	RAIN	rain	1	DAY			
30.	6-18-15	0.14	IN	RAIN	rain	1	DAY			
31.	6-19-15	3.29	IN	RAIN	rain	1	DAY			
32.	6-20-15	0.2	IN	RAIN	rain	2	DAY			
33.	6-24-15					7	DAY	62	93	F
34.	6-25-15	1.66	IN	RAIN	rain	2	DAY			
35.	6-28-15	0.6	IN	RAIN	rain	2	DAY			
36.	7-1-15					7	DAY	63	88	F
37.	7-1-15	0.64	IN	RAIN	rain	2	DAY			
38.	7-7-15	1.33	IN	RAIN	rain	2	DAY			
39.	7-8-15					7	DAY	59	97	F
40.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
41.	7-15-15					7	DAY	69	93	F
42.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
43.	7-22-15					7	DAY	65	95	F
44.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
45.	8-5-15	2.25	IN	RAIN	rain	1	DAY			
46.	8-9-15	0.47	IN	RAIN	rain	1	DAY			
47.	8-12-15					7	DAY	63	89	F
48.	8-18-15	2.23	IN	RAIN	rain	2	DAY			
49.	8-19-15					7	DAY	52	82	F
50.	8-22-15	0.18	IN	RAIN	rain	1	DAY			
51.	8-26-15					7	DAY	54	91	F
52.	9-2-15					7	DAY	68	94	F
53.	9-8-15	1.93	IN	RAIN	rain	2	DAY			
54.	9-9-15					7	DAY	47	83	F
55.	9-11-15	0.4	IN	RAIN	rain	1	DAY			

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56.	9-16-15					7	DAY	51	90	F
57.	9-19-15	0.14	IN	RAIN	rain	1	DAY			
58.	9-23-15					7	DAY	54	85	F
59.	9-28-15	0.13	IN	RAIN	rain	1	DAY			

Application Description

	A	B
Application Date:	6-13-15	7-13-15
Appl. Start Time:	10:20	11:00
Appl. Stop Time:	11:00	12:00
Application Method:	Spray	Spray
Application Timing:	PRE	V3
Application Placement:	BROSOI	BROFOL
Applied By:	LXF	EAE
Air Temperature, Unit:	83 F	91 F
% Relative Humidity:	72	66
Wind Velocity, Unit:	7 MPH	6 MPH
Wind Direction:	SW	W
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	75 F	80 F
Soil Moisture:	NORMAL	ABONOR
% Cloud Cover:	45	0
Next Moisture Occurred On:	6-14-15	7-19-15
Time to Next Moisture, Unit:	23 HR	6 DAY

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA	GLXMA
Stage Scale Used:	DESC	DESC
Stage Majority, Percent:	NA	V3
Stage Minimum, Percent:		V2
Stage Maximum, Percent:		V3
Height, Unit:		11 IN
Height Minimum, Maximum:		4 11

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Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	PANDI W	PANDI W
Stage Majority, Percent:	NA	5
Stage Minimum, Percent:		3
Stage Maximum, Percent:		6
Height, Unit:		4 IN
Height Minimum, Maximum:		3 11
Density, Unit:		2 FT2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	8
Stage Minimum, Percent:		4
Stage Maximum, Percent:		10
Height, Unit:		5 IN
Height Minimum, Maximum:		3 6
Density, Unit:		1 FT2
Pest 3 Code, Type, Scale:	AMATA W	AMATA W
Stage Majority, Percent:	NA	6
Stage Minimum, Percent:		4
Stage Maximum, Percent:		10
Height, Unit:		2 IN
Height Minimum, Maximum:		2 4
Density, Unit:		1 FT2
Pest 4 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	6
Stage Minimum, Percent:		6
Stage Maximum, Percent:		8
Height, Unit:		2 IN
Height Minimum, Maximum:		2 4
Density, Unit:		0.1 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Equipment Type:	BACSPR	BACSPR
Operation Pressure, Unit:	30 PSI	30 PSI
Nozzle Type:	XR	XR
Nozzle Size:	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA

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Pest Code							GLXMA	GLXMA	GLXMA						
Crop Code							10-19-15	10-19-15	10-19-15						
Rating Date							Moisture	Test wt.	Yield						
Rating Type							Percent	lb/bu	bu/A						
Rating Unit															
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	ROWEL	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	10.2	a	58.1	a	36	cde
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B						
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
2	ROWEL FX	40.3	WG	0.101	lb ai/a	4	oz/a	PRE	A	9.5	a	58.7	a	33	de
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B						
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
3	ROWEL	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	10.2	a	58.0	a	27	e
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B						
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
4	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	9.3	a	58.8	a	49	abc
	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
5	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	8.8	a	59.0	a	57	a
	TRICOR DF	75	WG	0.234	lb ai/a	5	oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
6	AUTHORITY FIRST DF	70	WG	0.28	lb ai/a	6.4	oz/a	PRE	A	9.9	a	58.2	a	53	ab
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
7	AUTHORITY MAXX	66	WG	0.264	lb ai/a	6.4	oz/a	PRE	A	9.7	a	58.5	a	49	ab
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	CADET	0.91	EC	0.0057	lb ai/a	0.8	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
8	FIERCE	76	WG	0.166	lb ai/a	3.5	oz/a	PRE	A	9.2	a	58.8	a	31	de
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
9	ZIDUA	85	WG	0.146	lb ai/a	2.75	oz/a	PRE	A	9.4	a	58.8	a	50	ab
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						
10	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	PRE	A	9.5	a	58.6	a	50	ab
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B						
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B						
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B						

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 12,23,14 because error mean square = 0.

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Pest Code							GLXMA	GLXMA	GLXMA	
Crop Code							10-19-15	10-19-15	10-19-15	
Rating Date							Moisture	Test wt.	Yield	
Rating Type							Percent	lb/bu	bu/A	
Rating Unit										
Rating Timing										
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Unit	Growth Stage	Appl Code		
11	BROADAXE XC	7	SC	1.37 lb ai/a	25 fl oz/a		PRE	A	9.3 a	
	FLEXSTAR GT 3.5	2.82	SL	1.23 lb ae/a	3.5 pt/a		V3	B	58.5 a	
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B	58 a	
12	BOUNDARY	6.5	EC	1.63 lb ai/a	2 pt/a		PRE	A	9.4 a	
	TOUCHDOWN TOTAL	4.17	SL	1.1 lb ae/a	33.8 fl oz/a		V3	B	58.7 a	
	PREFIX	5.29	EC	1.32 lb ai/a	32 fl oz/a		V3	B	53 ab	
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B		
13	TRIVENCE	61.3	WG	0.307 lb ai/a	8 oz/a		PRE	A	9.7 a	
	ABUNDIT EXTRA	3	SL	0.75 lb ae/a	32 fl oz/a		V3	B	58.6 a	
	COBRA	2	EC	0.156 lb ai/a	10 fl oz/a		V3	B	42 bcd	
	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		V3	B		
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B		
14	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		PRE	A	9.4 a	
	TRICOR DF	75	WG	0.234 lb ai/a	5 oz/a		PRE	A	58.7 a	
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		V3	B	51 ab	
	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		V3	B		
	FLEXSTAR	1.88	EC	0.25 lb ai/a	17 fl oz/a		V3	B		
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B		
15	NONTREATED									9.6 a
LSD P=.05							1.32	1.03	12.2	
Standard Deviation							0.79	0.62	7.3	
CV							8.28	1.06	16.31	
Replicate F							0.016	0.129	3.639	
Replicate Prob(F)							0.9843	0.8799	0.0394	
Treatment F							0.644	0.589	6.340	
Treatment Prob(F)							0.8058	0.8509	0.0001	

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 7-13-15 HEIRED Percent 30 DA-A 0 DA-B	GLXMA 8-10-15 HEIRED Percent 28 DA-B	GLXMA 8-24-15 HEIRED Percent 42 DA-B	GLXMA 7-13-15 STDRED Percent 30 DA-A 0 DA-B	GLXMA 8-10-15 STDRED Percent 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code					
1	ROWEL	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	25 b	22 b	12 b	13 cd	13 cd
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B					
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
2	ROWEL FX	40.3	WG	0.101	lb ai/a	4	oz/a	PRE	A	38 a	35 a	22 a	30 b	30 b
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B					
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
3	ROWEL	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	43 a	38 a	23 a	50 a	50 a
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B					
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
4	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	0 e	0 d	0 c	10 cd	10 cd
	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
5	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	3 e	7 cd	0 c	10 cd	10 cd
	TRICOR DF	75	WG	0.234	lb ai/a	5	oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
6	AUTHORITY FIRST DF	70	WG	0.28	lb ai/a	6.4	oz/a	PRE	A	7 de	10 c	0 c	12 cd	12 cd
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
7	AUTHORITY MAXX	66	WG	0.264	lb ai/a	6.4	oz/a	PRE	A	15 bcd	10 c	0 c	7 d	7 d
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	CADET	0.91	EC	0.0057	lb ai/a	0.8	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
8	FIERCE	76	WG	0.166	lb ai/a	3.5	oz/a	PRE	A	20 bc	20 b	10 b	23 bc	23 bc
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
9	ZIDUA	85	WG	0.146	lb ai/a	2.75	oz/a	PRE	A	10 cde	10 c	0 c	7 d	7 d
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					
10	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	PRE	A	0 e	10 c	0 c	7 d	7 d
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B					
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B					
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B					

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code							7-13-15	8-10-15	8-24-15	7-13-15	8-10-15
Rating Date							HEIRED	HEIRED	HEIRED	STDRED	STDRED
Rating Type							Percent	Percent	Percent	Percent	Percent
Rating Unit							30 DA-A	28 DA-B	42 DA-B	30 DA-A	28 DA-B
Rating Timing							0 DA-B	28 DA-B	42 DA-B	0 DA-B	28 DA-B
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code		
11	BROADAXE XC	7	SC	1.37	lb ai/a	25	fl oz/a	PRE	A	0 e	0 d
	FLEXSTAR GT 3.5	2.82	SL	1.23	lb ae/a	3.5	pt/a	V3	B		7 d
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B		7 d
12	BOUNDARY	6.5	EC	1.63	lb ai/a	2	pt/a	PRE	A	0 e	3 cd
	TOUCHDOWN TOTAL	4.17	SL	1.1	lb ae/a	33.8	fl oz/a	V3	B		0 c
	PREFIX	5.29	EC	1.32	lb ai/a	32	fl oz/a	V3	B		7 d
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B		7 d
13	TRIVENCE	61.3	WG	0.307	lb ai/a	8	oz/a	PRE	A	25 b	25 b
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	V3	B		10 b
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B		12 cd
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B		12 cd
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B		12 cd
14	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	0 e	0 d
	TRICOR DF	75	WG	0.234	lb ai/a	5	oz/a	PRE	A		0 c
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B		12 cd
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B		12 cd
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B		12 cd
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B		12 cd
15	NONTREATED									0	0
										0	0
										0	0
										7	3
LSD P=.05										11.1	8.0
Standard Deviation										6.6	4.7
CV										49.59	34.94
										6.9	4.1
										16.5	9.8
										67.24	67.24
Replicate F										0.912	0.715
Replicate Prob(F)										0.4142	0.4986
Treatment F										0.6345	0.6345
Treatment Prob(F)										0.0282	0.0282
										15.246	21.206
										12.844	4.645
										4.645	4.645
										0.0001	0.0001
										0.0001	0.0001
										0.0004	0.0004
										0.0004	0.0004

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code							PANDI	PANDI	PANDI			
Crop Code							7-13-15	8-10-15	8-24-15			
Rating Date							Control	Control	Control			
Rating Type							Percent	Percent	Percent			
Rating Unit							30 DA-A	28 DA-B	42 DA-B			
Rating Timing							0 DA-B					
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	ROWEL	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
2	ROWEL FX	40.3	WG	0.101	lb ai/a	4	oz/a	PRE	A	99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
3	ROWEL	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	99 a	99 a	99 a
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
4	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	99 a	99 a	99 a
	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
5	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	99 a	99 a	99 a
	TRICOR DF	75	WG	0.234	lb ai/a	5	oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
6	AUTHORITY FIRST DF	70	WG	0.28	lb ai/a	6.4	oz/a	PRE	A	99 a	99 a	99 a
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
7	AUTHORITY MAXX	66	WG	0.264	lb ai/a	6.4	oz/a	PRE	A	99 a	96 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	CADET	0.91	EC	0.0057	lb ai/a	0.8	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
8	FIERCE	76	WG	0.166	lb ai/a	3.5	oz/a	PRE	A	99 a	94 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
9	ZIDUA	85	WG	0.146	lb ai/a	2.75	oz/a	PRE	A	99 a	96 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
10	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	PRE	A	99 a	95 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code							PANDI	PANDI	PANDI
Crop Code							7-13-15	8-10-15	8-24-15
Rating Date							Control	Control	Control
Rating Type							Percent	Percent	Percent
Rating Unit							30 DA-A	28 DA-B	42 DA-B
Rating Timing							0 DA-B		
Trt-Eval Interval									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Unit	Growth Stage	Appl Code	
11	BROADAXE XC	7	SC	1.37 lb ai/a	25 fl oz/a		PRE	A	99 a
	FLEXSTAR GT 3.5	2.82	SL	1.23 lb ae/a	3.5 pt/a		V3	B	99 a
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B	99 a
12	BOUNDARY	6.5	EC	1.63 lb ai/a	2 pt/a		PRE	A	99 a
	TOUCHDOWN TOTAL	4.17	SL	1.1 lb ae/a	33.8 fl oz/a		V3	B	99 a
	PREFIX	5.29	EC	1.32 lb ai/a	32 fl oz/a		V3	B	99 a
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B	99 a
13	TRIVENCE	61.3	WG	0.307 lb ai/a	8 oz/a		PRE	A	99 a
	ABUNDIT EXTRA	3	SL	0.75 lb ae/a	32 fl oz/a		V3	B	99 a
	COBRA	2	EC	0.156 lb ai/a	10 fl oz/a		V3	B	99 a
	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		V3	B	99 a
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B	99 a
14	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		PRE	A	99 a
	TRICOR DF	75	WG	0.234 lb ai/a	5 oz/a		PRE	A	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		V3	B	99 a
	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		V3	B	99 a
	FLEXSTAR	1.88	EC	0.25 lb ai/a	17 fl oz/a		V3	B	99 a
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B	99 a
15	NONTREATED								0
LSD P=.05							.	4.6	.
Standard Deviation							0.0	2.7	0.0
CV							0.0	2.79	0.0
Replicate F							0.000	2.174	0.000
Replicate Prob(F)							1.0000	0.1339	1.0000
Treatment F							0.000	1.350	0.000
Treatment Prob(F)							1.0000	0.2485	1.0000

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMBTR	AMBTR	AMBTR			
							7-13-15 Control Percent 30 DA-A 0 DA-B	8-10-15 Control Percent 28 DA-B	8-24-15 Control Percent 42 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	ROWEL	51	WG	0.096	lb ai/a	3	oz/a	PRE	A	96 a	92 a	89 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
2	ROWEL FX	40.3	WG	0.101	lb ai/a	4	oz/a	PRE	A	98 a	95 a	93 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
3	ROWEL	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	98 a	92 a	92 a
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
4	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	88 a	90 a	87 a
	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
5	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	87 a	96 a	96 a
	TRICOR DF	75	WG	0.234	lb ai/a	5	oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
6	AUTHORITY FIRST DF	70	WG	0.28	lb ai/a	6.4	oz/a	PRE	A	96 a	94 a	93 a
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
7	AUTHORITY MAXX	66	WG	0.264	lb ai/a	6.4	oz/a	PRE	A	88 a	88 a	87 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	CADET	0.91	EC	0.0057	lb ai/a	0.8	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
8	FIERCE	76	WG	0.166	lb ai/a	3.5	oz/a	PRE	A	96 a	60 a	57 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
9	ZIDUA	85	WG	0.146	lb ai/a	2.75	oz/a	PRE	A	27 b	88 a	87 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
10	VERDICT	5.57	EC	0.218	lb ai/a	5	fl oz/a	PRE	A	85 a	93 a	90 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	ULTRA BLAZER 2 EC	2	EC	0.25	lb ai/a	16	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code							AMBTR	AMBTR	AMBTR		
Crop Code							7-13-15	8-10-15	8-24-15		
Rating Date							Control	Control	Control		
Rating Type							Percent	Percent	Percent		
Rating Unit							30 DA-A	28 DA-B	42 DA-B		
Rating Timing							0 DA-B				
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Unit	Growth Stage	Appl Code			
11	BROADAXE XC	7	SC	1.37 lb ai/a	25 fl oz/a		PRE	A	28 b	94 a	94 a
	FLEXSTAR GT 3.5	2.82	SL	1.23 lb ae/a	3.5 pt/a		V3	B			
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B			
12	BOUNDARY	6.5	EC	1.63 lb ai/a	2 pt/a		PRE	A	55 ab	93 a	93 a
	TOUCHDOWN TOTAL	4.17	SL	1.1 lb ae/a	33.8 fl oz/a		V3	B			
	PREFIX	5.29	EC	1.32 lb ai/a	32 fl oz/a		V3	B			
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B			
13	TRIVENCE	61.3	WG	0.307 lb ai/a	8 oz/a		PRE	A	98 a	83 a	80 a
	ABUNDIT EXTRA	3	SL	0.75 lb ae/a	32 fl oz/a		V3	B			
	COBRA	2	EC	0.156 lb ai/a	10 fl oz/a		V3	B			
	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		V3	B			
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B			
14	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		PRE	A	57 ab	96 a	95 a
	TRICOR DF	75	WG	0.234 lb ai/a	5 oz/a		PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		V3	B			
	WARRANT	3	CS	1.13 lb ai/a	48 fl oz/a		V3	B			
	FLEXSTAR	1.88	EC	0.25 lb ai/a	17 fl oz/a		V3	B			
	CLASS ACT NG	100	SL	2.5 % v/v	2.5 % v/v		V3	B			
15	NONTREATED								0	0	0
LSD P=.05							44.9	23.5	22.5		
Standard Deviation							26.8	14.0	13.4		
CV							34.13	15.63	15.26		
Replicate F							0.028	2.059	2.030		
Replicate Prob(F)							0.9728	0.1479	0.1516		
Treatment F							2.779	1.298	1.653		
Treatment Prob(F)							0.0128	0.2754	0.1335		

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMATA	AMATA	AMATA	IPOHE	IPOHE	IPOHE
							7-13-15 Control Percent 30 DA-A 0 DA-B	8-10-15 Control Percent 28 DA-B	8-24-15 Control Percent 42 DA-B	7-13-15 Control Percent 30 DA-A 0 DA-B	8-10-15 Control Percent 28 DA-B	8-24-15 Control Percent 42 DA-B
Trt No.	Treatment Name	Form Type	Form Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	ROWEL	51 WG	0.096 lb ai/a	3 oz/a	PRE	A			99 a	99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	V3	B						
	FLEXSTAR	1.88 EC	0.25 lb ai/a	17 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
2	ROWEL FX	40.3 WG	0.101 lb ai/a	4 oz/a	PRE	A			99 a	99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	V3	B						
	FLEXSTAR	1.88 EC	0.25 lb ai/a	17 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
3	ROWEL	51 WG	0.064 lb ai/a	2 oz/a	PRE	A			99 a	99 a	99 a	99 a
	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	V3	B						
	FLEXSTAR	1.88 EC	0.25 lb ai/a	17 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
4	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	PRE	A			99 a	96 a	98 a	99 a
	REFLEX	2 EC	0.25 lb ai/a	16 fl oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	COBRA	2 EC	0.156 lb ai/a	10 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
5	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	TRICOR DF	75 WG	0.234 lb ai/a	5 oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	FLEXSTAR	1.88 EC	0.25 lb ai/a	17 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
6	AUTHORITY FIRST DF	70 WG	0.28 lb ai/a	6.4 oz/a	PRE	A			99 a	99 a	99 a	99 a
	WARRANT	3 CS	1.13 lb ai/a	48 fl oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	FLEXSTAR	1.88 EC	0.25 lb ai/a	17 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
7	AUTHORITY MAXX	66 WG	0.264 lb ai/a	6.4 oz/a	PRE	A			99 a	99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	CADET	0.91 EC	0.0057 lb ai/a	0.8 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
8	FIERCE	76 WG	0.166 lb ai/a	3.5 oz/a	PRE	A			99 a	98 a	98 a	99 a
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	COBRA	2 EC	0.156 lb ai/a	10 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
9	ZIDUA	85 WG	0.146 lb ai/a	2.75 oz/a	PRE	A			99 a	99 a	99 a	94 a
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	ULTRA BLAZER 2 EC	2 EC	0.25 lb ai/a	16 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						
10	VERDICT	5.57 EC	0.218 lb ai/a	5 fl oz/a	PRE	A			99 a	96 a	96 a	98 a
	ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	V3	B						
	ULTRA BLAZER 2 EC	2 EC	0.25 lb ai/a	16 fl oz/a	V3	B						
	CLASS ACT NG	100 SL	2.5 % v/v	2.5 % v/v	V3	B						

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code						AMATA	AMATA	AMATA	IPOHE	IPOHE	IPOHE	
Crop Code												
Rating Date						7-13-15	8-10-15	8-24-15	7-13-15	8-10-15	8-24-15	
Rating Type						Control	Control	Control	Control	Control	Control	
Rating Unit						Percent	Percent	Percent	Percent	Percent	Percent	
Rating Timing						30 DA-A	28 DA-B	42 DA-B	30 DA-A	28 DA-B	42 DA-B	
Trt-Eval Interval						0 DA-B	28 DA-B	42 DA-B	0 DA-B	28 DA-B	42 DA-B	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
11	BROADAXE XC	7	SC	1.37	lb ai/a	25	fl oz/a	PRE	A	99 a	99 a	98 a
	FLEXSTAR GT 3.5	2.82	SL	1.23	lb ae/a	3.5	pt/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
12	BOUNDARY	6.5	EC	1.63	lb ai/a	2	pt/a	PRE	A	99 a	99 a	97 a
	TOUCHDOWN TOTAL	4.17	SL	1.1	lb ae/a	33.8	fl oz/a	V3	B			
	PREFIX	5.29	EC	1.32	lb ai/a	32	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
13	TRIVENCE	61.3	WG	0.307	lb ai/a	8	oz/a	PRE	A	99 a	99 a	95 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	V3	B			
	COBRA	2	EC	0.156	lb ai/a	10	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
14	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	PRE	A	99 a	99 a	96 a
	TRICOR DF	75	WG	0.234	lb ai/a	5	oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V3	B			
	WARRANT	3	CS	1.13	lb ai/a	48	fl oz/a	V3	B			
	FLEXSTAR	1.88	EC	0.25	lb ai/a	17	fl oz/a	V3	B			
	CLASS ACT NG	100	SL	2.5	% v/v	2.5	% v/v	V3	B			
15	NONTREATED									0	0	0
LSD P=.05										2.7	1.8	5.9
Standard Deviation										0.0	1.6	1.1
CV										0.0	1.66	1.07
Replicate F										0.000	1.154	1.368
Replicate Prob(F)										1.0000	0.3310	0.2722
Treatment F										0.000	1.248	1.789
Treatment Prob(F)										1.0000	0.3038	0.1002
										2.675	1.073	1.073
										0.0878	0.3565	0.3565
										1.000	0.998	0.998
										0.4786	0.4806	0.4806

Market Development Soybean. - Monsanto.

Trial ID: 15-50W-MN80 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: Monsanto (2015-01-24-04).
2. Ratings:
CI at 0 and 28 DA-B, CI at canopy closure.
WCat 0 and 28 DA-B, WC at canopy closure.
3. Yield.
4. Photos.
5. Application timing B (V3) is also 4 inch weeds.
6. Rainfall following the PRE application was 2.52 inch over 3 days beginning 23 hours later.
There was a total of 5.41 inches of rain over 6 days following the PRE application.
There was a total of 8.26 inches of rain over 19 days following the PRE application.
Rainfall following the V3 application was 0.35 inch over 2 days beginning 6 days later.
7. The reduction in weed control 28 DA-B was due to new emergence.
8. GLXMA, HEIRED = Soybean height reduction.
GLXMA, STDRED = Soybean stand reduction.
Stand reduction in the nontreated plots was due to excess water.
Ratings on 8-24-15 at 42 DA-B were also at soybean canopy closure.
9. Harvested 10-19-15, (2) 30 inch rows by 24 ft.