

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Status: F one-year/final Initiation Date: 5-12-14 Completion Date: 10-26-14	
Trial Location	
City: Belleville State/Prov.: Illinois IL Postal Code: 62221	Country: USA

Objectives: Evaluate Syngenta soybean programs and compare with competitive programs.

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	Contacts Title: Researcher/Farm Manager Phone No.: 618-566-4761 E-mail: rkrausz@siu.edu
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Crop Description	
Crop 1: GLXMA Glycine max Variety: AG3832 Description: RR2Y	Soybean BBCH Scale: BSOY
Planting Rate, Unit: 140000 S/A Depth, Unit: 1 IN Row Spacing, Unit: 30 IN	Planting Date: 5-12-14 Planting Method: SEEDED

Pest Description	
Pest 1 Type: W Code: SETFA <i>Setaria faberi</i> Herrm. Common Name: foxtail, giant	
Pest 2 Type: W Code: AMBTR <i>Ambrosia trifida</i> L. Common Name: ragweed, giant	
Pest 3 Type: W Code: IPOHE <i>Ipomoea hederacea</i> (L.) Jacq. Common Name: morningglory, ivyleaf	
Pest 4 Type: W Code: ABUTH <i>Abutilon theophrasti</i> Medik. Common Name: velvetleaf	
Pest 5 Type: W Code: AMATA <i>Amaranthus rudis</i> Sauer Common Name: waterhemp, common	

Site and Design							
Treated Plot Width: 7.5 FT Treated Plot Length: 30 FT	Total Plot Width: 10 FT Total Plot Length: 30 FT						
Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB L Randomized Complete Block (RCB)							
Replications: 3 Untreated Arrangement: INCLUDED single control randomized in each block							
<table border="1"> <thead> <tr> <th>No.</th> <th>Previous Crop</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>ZEAMD</td> <td>2013</td> </tr> </tbody> </table>		No.	Previous Crop	Year	1.	ZEAMD	2013
No.	Previous Crop	Year					
1.	ZEAMD	2013					

Maintenance					
<table border="1"> <thead> <tr> <th>No.</th> <th>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	
No.	Maintenance Product Name				
1.	N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A				

Soil Description										
% OM: 3.4 Texture: SIL silt loam pH: 6.5 Soil Name: Be halto CEC: 12										
Additional Measured Elements										
<table border="1"> <thead> <tr> <th>Element</th> <th>Quantity</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>P1</td> <td>71</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>297</td> <td>lb/A</td> </tr> </tbody> </table>		Element	Quantity	Unit	P1	71	lb/A	K	297	lb/A
Element	Quantity	Unit								
P1	71	lb/A								
K	297	lb/A								

Moisture and Weather Conditions	
Overall Moisture Conditions: NORMAL Closest Weather Station: ICN - Belleville IL Distance, Unit: 0.5 MI	

Pre/Post Programs in Soybean.

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No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	4-15-14					7	DAY	31	79	F
2.	4-21-14	0.17	IN	RAIN	rain	2	DAY			
3.	4-22-14					7	DAY	44	78	F
4.	4-24-14	2.24	IN	RAIN	rain	5	DAY			
5.	4-29-14	0.09	IN	RAIN	rain	2	DAY			
6.	4-29-14					7	DAY	41	87	F
7.	5-6-14					7	DAY	56	86	F
8.	5-8-14	0.13	IN	RAIN	rain	2	DAY			
9.	5-12-14	0.88	IN	RAIN	rain	4	DAY			
10.	5-13-14					7	DAY	37	76	F
11.	5-20-14					7	DAY	55	87	F
12.	5-21-14	0.06	IN	RAIN	rain	1	DAY			
13.	5-25-14	0.49	IN	RAIN	rain	2	DAY			
14.	5-27-14	0.08	IN	RAIN	rain	2	DAY			
15.	5-27-14					7	DAY	60	86	F
16.	5-31-14	0.14	IN	RAIN	rain	1	DAY			
17.	6-1-14	0.13	IN	RAIN	rain	1	DAY			
18.	6-3-14					7	DAY	59	90	F
19.	6-4-14	0.67	IN	RAIN	rain	1	DAY			
20.	6-7-14	0.6	IN	RAIN	rain	1	DAY			
21.	6-9-14	1.38	IN	RAIN	rain	2	DAY			
22.	6-10-14					7	DAY	51	90	F
23.	6-12-14	0.07	IN	RAIN	rain	1	DAY			
24.	6-15-14	0.02	IN	RAIN	rain	1	DAY			
25.	6-17-14					7	DAY	67	92	F
26.	6-20-14	2.09	IN	RAIN	rain	5	DAY			
27.	6-24-14					7	DAY	65	91	F
28.	6-27-14	0.11	IN	RAIN	rain	2	DAY			
29.	7-1-14	0.01	IN	RAIN	rain	1	DAY			
30.	7-1-14					7	DAY	55	90	F
31.	7-7-14	0.79	IN	RAIN	rain	2	DAY			
32.	7-8-14					7	DAY	59	89	F
33.	7-12-14	0.49	IN	RAIN	rain	3	DAY			
34.	7-15-14					7	DAY	54	85	F
35.	7-22-14					7	DAY	57	98	F
36.	7-25-14	0.02	IN	RAIN	rain	1	DAY			
37.	7-29-14					7	DAY	52	89	F
38.	8-1-14	0.04	IN	RAIN	rain	1	DAY			
39.	8-5-14	4.04	IN	RAIN	rain	4	DAY			
40.	8-5-14					7	DAY	66	88	F
41.	8-12-14					7	DAY	57	84	F
42.	8-15-14	1.21	IN	RAIN	rain	3	DAY			
43.	8-19-14					7	DAY	67	95	F
44.	8-20-14	0.11	IN	RAIN	rain	1	DAY			
45.	8-26-14					7	DAY	68	95	F
46.	8-27-14	1.56	IN	RAIN	rain	2	DAY			
47.	9-1-14	2.21	IN	RAIN	rain	2	DAY			
48.	9-2-14					7	DAY	54	93	F
49.	9-5-14	0.24	IN	RAIN	rain	1	DAY			
50.	9-9-14					7	DAY	45	85	F
51.	9-10-14	1.06	IN	RAIN	rain	1	DAY			
52.	9-16-14					7	DAY	46	86	F
53.	9-23-14					7	DAY	46	86	F
54.	9-30-14					7	DAY	37	87	F
55.	10-1-14	0.99	IN	RAIN	rain	3	DAY			
56.	10-6-14	0.31	IN	RAIN	rain	2	DAY			
57.	10-7-14					7	DAY	46	77	F
58.	10-9-14	1.44	IN	RAIN	rain	2	DAY			
59.	10-12-14	1.24	IN	RAIN	rain	3	DAY			
60.	10-14-14					7	DAY	37	73	F
61.	10-21-14					7	DAY	36	82	F
62.	10-28-14	0.26	IN	RAIN	rain	1	DAY			
63.	10-28-14					7	DAY	27	70	F

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
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Application Description					
	A	B	C	D	E
Application Date:	5-13-14	6-3-14	6-9-14	6-9-14	6-5-14
Appl. Start Time:	14:00	12 50	8:00	8:00	8:00
Appl. Stop Time:	14:30	13 00	8:30	8:30	8:15
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	2-4"W	4-6"W-1	4-6"W-2	V2
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	LXF&RJW	LXF	RJW	RJW	RJW
Air Temperature, Unit:	58 F	87 F	70 F	70 F	66 F
% Relative Humidity:	97	61	81	81	84
Wind Velocity, Unit:	4 MPH	4 MPH	4 MPH	3 MPH	6 MPH
Wind Direction:	W	W	E	E	E
Dew Presence (Y/N):	N	N	N	N	N
Soil Temperature, Unit:	67 F	74 F	71 F	71 F	73 F
Soil Moisture:	ABONOR	NORMAL	ABONOR	ABONOR	ABONOR
% Cloud Cover:	98	98	75	75	98
Next Moisture Occurred On:	5-13-14	6-4-14	6-9-14	6-9-14	6-7-14
Time to Next Moisture, Unit:	1 HR	17 HR	13 HR	13 HR	2 DAY

Crop Stage At Each Application					
	A	B	C	D	E
Crop 1 Code, BBCH Scale:	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Stage Scale Used:	DESC	DESC	DESC	DESC	DESC
Stage Majority, Percent:	NA	V2	V4	V4	V2
Stage Minimum, Percent:		V1	V3	V3	V2
Stage Maximum, Percent:		V2	V4	V4	V2
Height, Unit:		3 IN	6 IN	6 IN	4 IN
Height Minimum, Maximum:		2 3	4 6	4 6	3 4

Pest Stage At Each Application					
	A	B	C	D	E
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	NA	3	6	6	4
Stage Minimum, Percent:		1	3	3	3
Stage Maximum, Percent:		3	8	8	6
Height, Unit:		2 IN	6 IN	6 IN	4 IN
Height Minimum, Maximum:		1 2	4 10	4 10	2 6
Density, Unit:		0.05 FT2	5 FT2	5 FT2	5 FT2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	NA	8	8	6
Stage Minimum, Percent:			6	6	4
Stage Maximum, Percent:			12	12	6
Height, Unit:			6 IN	6 IN	5 IN
Height Minimum, Maximum:			3 8	3 8	4 6
Density, Unit:			0.5 FT2	0.5 FT2	1 FT2
Pest 3 Code, Type, Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	4	6	6	4
Stage Minimum, Percent:		2	4	4	2
Stage Maximum, Percent:		4	8	8	5
Height, Unit:		1.5 IN	4 IN	4 IN	2 IN
Height Minimum, Maximum:		1 1.5	2 4	2 4	1 3
Density, Unit:		0.05 FT2	0.1 FT2	0.1 FT2	0.1 FT2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	4	6	6	5
Stage Minimum, Percent:		2	4	4	2
Stage Maximum, Percent:		6	8	8	6
Height, Unit:		2 IN	4 IN	4 IN	2 IN
Height Minimum, Maximum:		1 2	2 6	2 6	1 3
Density, Unit:		0.1 FT2	0.1 FT2	0.1 FT2	0.1 FT2
Pest 5 Code, Type, Scale:	AMATA W	AMATA W	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	NA	NA	NA	NA

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

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
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Pest Code Crop Code Rating Date								GLXMA 10-26-14	GLXMA 10-26-14	GLXMA 10-26-14	GLXMA 10-26-14	GLXMA 10-26-14	GLXMA 5-27-14	GLXMA 6-9-14
Rating Type Rating Unit Rating Timing								Moisture Percent	Test wt lb/bu	Yield bu/A	Injury Percent	Injury Percent	Injury Percent 14 DA-A	Injury Percent 27 DA-A
Trt-Eval Interval											14 DAT	28 DAT	-7 DA-B	0 DA-C+D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED								12.1 a	57.8 a	10 d	0	0	0
2	BOUNDARY FLEXSTAR GT 3.5 MSO (MSO ULTRA) N-PAK AMS	6.5 EC 2.82 SL 100 SL		1.63 lb ai/a 1.23 lb ae/a 1 % v/v 2.5 % v/v	2 pt/a 3.5 pt/a 1 % v/v 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C 4-6"W-1 C		12.5 a	57.4 ab	68 abc	0 a	0 a	0 a
3	PREFIX SEQUENCE N-PAK AMS	5.29 EC 5.25 SL 100 SL		1.65 lb ai/a 1.64 lb ae/a 2.5 % v/v	2.5 pt/a 2.5 pt/a 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C		12.2 a	57.6 ab	79 a	0 a	0 a	0 a
4	BOUNDARY PREFIX TOUCHDOWN TOTAL N-PAK AMS	6.5 EC 5.29 EC 4.17 SL 100 SL		1.63 lb ai/a 1.32 lb ai/a 1.04 lb ae/a 2.5 % v/v	2 pt/a 2 pt/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-1 C 2-4"W B 2-4"W B		12.2 a	57.6 ab	69 abc	0 a	0 a	0 a
5	PREFIX TOUCHDOWN TOTAL N-PAK AMS	5.29 EC 4.17 SL 100 SL		1.65 lb ai/a 1.04 lb ae/a 2.5 % v/v	2.5 pt/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C		12.1 a	57.7 ab	71 abc	0 a	0 a	0 a
6	VALOR XLT ROUNDUP POWERMAX N-PAK AMS	40.3 WG 4.5 SL 100 SL		0.088 lb ai/a 1.13 lb ae/a 2.5 % v/v	3.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		12.6 a	57.4 b	72 abc	0 a	0 a	0 a
7	FIERCE ROUNDUP POWERMAX N-PAK AMS	76 WG 4.5 SL 100 SL		0.143 lb ai/a 1.13 lb ae/a 2.5 % v/v	3 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		12.5 a	57.4 b	66 abc	0 a	0 a	0 a
8	OPTILL PRO (CO-PACK) OPTILL OUTLOOK ROUNDUP POWERMAX N-PAK AMS	68 WG 6 EC 4.5 SL 100 SL		0.085 lb ai/a 0.47 lb ai/a 1.13 lb ae/a 2.5 % v/v	2 oz/a 10 fl oz/a 32 fl oz/a 2.5 % v/v		PRE A PRE A PRE A 4-6"W-1 C 4-6"W-1 C		12.1 a	57.7 ab	70 abc	0 a	0 a	0 a
9	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 WG 3 SL 100 SL		0.09 lb ai/a 0.75 lb ae/a 2.5 % v/v	3.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		12.2 a	57.6 ab	70 abc	0 a	0 a	0 a
10	SURVEIL CO-PACK VALOR SX FIRSTRATE DURANGO DMA N-PAK AMS	51 WG 84 WG 4 SL 100 SL		0.064 lb ai/a 0.021 lb ai/a 0.75 lb ae/a 2.5 % v/v	2.4 oz/a 1.5 pt/a 2.5 % v/v		PRE A PRE A PRE A 4-6"W-2 D 4-6"W-2 D		12.3 a	57.6 ab	64 bc	0 a	0 a	0 a
11	SONIC ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v	6.4 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		13.3 a	56.7 c	69 abc	0 a	0 a	0 a
12	AUTHORITY XL ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v	6.4 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		12.4 a	57.5 ab	63 c	0 a	0 a	0 a
13	AUTHORITY FIRST DF ANTHEM ROUNDUP POWERMAX N-PAK AMS	70 WG 2.15 SE 4.5 SL 100 SL		0.28 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	6.4 oz/a 6 fl oz/a 32 fl oz/a 2.5 % v/v		PRE A V2 E V2 E V2 E		12.1 a	57.6 ab	68 abc	0 a	0 a	0 a
14	VALOR SX ZIDUA ROUNDUP POWERMAX N-PAK AMS	51 WG 85 WG 4.5 SL 100 SL		0.064 lb ai/a 0.133 lb ai/a 1.13 lb ae/a 2.5 % v/v	2 oz/a 2.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A V2 E V2 E V2 E		12.3 a	57.5 ab	67 abc	0 a	0 a	0 a

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.

Missing data estimates are included in columns: Average=2,3,5

[illegible]

Southern Illinois University

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								SETFA	SETFA	SETFA	SETFA	SETFA
								Control Percent	Control Percent	Control Percent	5-27-14 Control Percent 14 DA-A	6-9-14 Control Percent 27 DA-A
								14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Grow h Stage	Appl Code				
1	NONTREATED								0	0	0	0
2	BOUNDARY FLEXSTAR GT 3.5 MSO (MSO ULTRA) N-PAK AMS	6.5 EC 2.82 SL 100 SL 100 SL		1.63 lb ai/a 1.23 lb ae/a 1 % v/v 2.5 % v/v	2 pt/a 3.5 pt/a 1 % v/v 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	92 a 90 a
3	PREFIX SEQUENCE N-PAK AMS	5.29 EC 5.25 SL 100 SL		1.65 lb ai/a 1.64 lb ae/a 2.5 % v/v	2.5 pt/a 2.5 pt/a 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	90 a 90 a
4	BOUNDARY PREFIX TOUCHDOWN TOTAL N-PAK AMS	6.5 EC 5.29 EC 4.17 SL 100 SL		1.63 lb ai/a 1.32 lb ai/a 1.04 lb ae/a 2.5 % v/v	2 pt/a 2 pt/a 32 fl oz/a 2.5 % v/v		PRE A 2-4"W B 2-4"W B 2-4"W B		99 a	99 a	99 a	63 a
5	PREFIX TOUCHDOWN TOTAL N-PAK AMS	5.29 EC 4.17 SL 100 SL		1.65 lb ai/a 1.04 lb ae/a 2.5 % v/v	2.5 pt/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	92 a 92 a
6	VALOR XLT ROUNDUP POWERMAX N-PAK AMS	40.3 WG 4.5 SL 100 SL		0.088 lb ai/a 1.13 lb ae/a 2.5 % v/v	3.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	82 a 47 a
7	FIERCE ROUNDUP POWERMAX N-PAK AMS	76 WG 4.5 SL 100 SL		0.143 lb ai/a 1.13 lb ae/a 2.5 % v/v	3 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	90 a 85 a
8	OPTILL PRO (CO-PACK) OPTILL OUTLOOK ROUNDUP POWERMAX N-PAK AMS	68 WG 6 EC 4.5 SL 100 SL		0.085 lb ai/a 0.47 lb ai/a 1.13 lb ae/a 2.5 % v/v	2 oz/a 10 fl oz/a 32 fl oz/a 2.5 % v/v		PRE A PRE A PRE A 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	98 a 95 a
9	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 WG 3 SL 100 SL		0.09 lb ai/a 0.75 lb ae/a 2.5 % v/v	3.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	90 a 63 a
10	SURVEIL CO-PACK VALOR SX FIRSTRATE DURANGO DMA N-PAK AMS	51 WG 84 WG 4 SL 100 SL		0.064 lb ai/a 0.021 lb ai/a 0.75 lb ae/a 2.5 % v/v	2.4 oz/a 1.5 pt/a 2.5 % v/v		PRE A PRE A PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	60 a 57 a
11	SONIC ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v	6.4 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	60 a 60 a
12	AUTHORITY XL ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v	6.4 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	88 a 85 a
13	AUTHORITY FIRST DF ANTHEM ROUNDUP POWERMAX N-PAK AMS	70 WG 2.15 SE 4.5 SL 100 SL		0.28 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	6.4 oz/a 6 fl oz/a 32 fl oz/a 2.5 % v/v		PRE A V2 E V2 E V2 E		99 a	99 a	99 a	60 a
14	VALOR SX ZIDUA ROUNDUP POWERMAX N-PAK AMS	51 WG 85 WG 4.5 SL 100 SL		0.064 lb ai/a 0.133 lb ai/a 1.13 lb ae/a 2.5 % v/v	2 oz/a 2.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A V2 E V2 E V2 E		99 a	99 a	99 a	47 a

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code								SETFA	SETFA	SETFA	SETFA	SETFA
Crop Code												
Rating Date								Control	Control	Control	5-27-14	6-9-14
Rating Type								Percent	Percent	Percent	Control	Control
Rating Unit											14 DA-A	27 DA-A
Rating Timing												
Trt-Eval Interval								14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Trt Treatment No. Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Unit	Grow Stage	h	Appl Code		
15 VALOR SX	51 WG		0.064 lb	ai/a	2 oz/a			PRE		A	99 a	99 a
WARRANT	3 CS		1.13 lb	ai/a	3 pt/a			V2		E		
ROUNDUP POWERMAX	4 5 SL		1.13 lb	ae/a	32 fl oz/a			V2		E		
N-PAK AMS	100 SL		2.5 %	v/v	2.5 % v/v			V2		E		
LSD (P=.05)											0.0	0.0
Standard Deviation											0.0	0.0
CV											0.0	0.0
Replicate F											0.000	0.000
Replicate Prob(F)											1.0000	1.0000
Treatment F											0.000	0.000
Treatment Prob(F)											1.0000	1.0000
											0.052	0.182
											0.9495	0.8351
											0.745	1.078
											0.7055	0.4236

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing								AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Trt-Eval Interval								Control Percent	Control Percent	Control Percent	5-27-14 Control Percent 14 DA-A	6-9-14 Control Percent 27 DA-A
Trt Treatment No. Name								14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Form	Form	Rate	Other	Other	Growth	Appl						
Conc	Type	Unit	Rate	Rate	Unit	Stage	Code					
1 NONTREATED								0	0	0	0	0
2 BOUNDARY								98 a	99 a	99 a	88 a	80 c
FLEXSTAR GT 3.5	6.5 EC	1.63 lb ai/a	2 pt/a	PRE	A							
MSO (MSO ULTRA)	2.82 SL	1.23 lb ae/a	3.5 pt/a	4-6"W-1 C								
N-PAK AMS	100 SL	1 % v/v	1 % v/v	4-6"W-1 C								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-1 C								
3 PREFIX								96 a	99 a	99 a	97 a	96 a
SEQUENCE	5.29 EC	1.65 lb ai/a	2.5 pt/a	PRE	A							
N-PAK AMS	5.25 SL	1.64 lb ae/a	2.5 pt/a	4-6"W-1 C								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-1 C								
4 BOUNDARY								99 a	98 a	97 a	55 b	
PREFIX	6.5 EC	1.63 lb ai/a	2 pt/a	PRE	A							
TOUCHDOWN TOTAL	5.29 EC	1.32 lb ai/a	2 pt/a	2-4"W	B							
N-PAK AMS	4.17 SL	1.04 lb ae/a	32 fl oz/a	2-4"W	B							
	100 SL	2.5 % v/v	2.5 % v/v	2-4"W	B							
5 PREFIX								99 a	99 a	99 a	98 a	95 a
TOUCHDOWN TOTAL	5.29 EC	1.65 lb ai/a	2.5 pt/a	PRE	A							
N-PAK AMS	4.17 SL	1.04 lb ae/a	32 fl oz/a	4-6"W-1 C								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-1 C								
6 VALOR XLT								99 a	99 a	97 a	92 a	90 ab
ROUNDUP POWERMAX	40.3 WG	0.088 lb ai/a	3.5 oz/a	PRE	A							
N-PAK AMS	4.5 SL	1.13 lb ae/a	32 fl oz/a	4-6"W-2 D								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-2 D								
7 FIERCE								99 a	99 a	98 a	90 a	85 bc
ROUNDUP POWERMAX	76 WG	0.143 lb ai/a	3 oz/a	PRE	A							
N-PAK AMS	4.5 SL	1.13 lb ae/a	32 fl oz/a	4-6"W-2 D								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-2 D								
8 OPTILL PRO (CO-PACK)								99 a	98 a	94 a	98 a	93 ab
OPTILL	68 WG	0.085 lb ai/a	2 oz/a	PRE	A							
OUTLOOK	6 EC	0.47 lb ai/a	10 fl oz/a	PRE	A							
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	4-6"W-1 C								
N-PAK AMS	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-1 C								
9 ENVIVE								99 a	99 a	98 a	95 a	90 ab
ABUNDIT EXTRA	41.3 WG	0.09 lb ai/a	3.5 oz/a	PRE	A							
N-PAK AMS	3 SL	0.75 lb ae/a	32 fl oz/a	4-6"W-2 D								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-2 D								
10 SURVEIL CO-PACK								99 a	98 a	96 a	98 a	95 a
VALOR SX	51 WG	0.064 lb ai/a	2.4 oz/a	PRE	A							
FIRSTRATE	84 WG	0.021 lb ai/a	1.5 pt/a	PRE	A							
DURANGO DMA	4 SL	0.75 lb ae/a	32 fl oz/a	4-6"W-2 D								
N-PAK AMS	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-2 D								
11 SONIC								99 a	99 a	90 a	95 a	93 ab
ROUNDUP POWERMAX	70 WG	0.28 lb ai/a	6.4 oz/a	PRE	A							
N-PAK AMS	4.5 SL	1.13 lb ae/a	32 fl oz/a	4-6"W-2 D								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-2 D								
12 AUTHORITY XL								99 a	99 a	94 a	95 a	90 ab
ROUNDUP POWERMAX	70 WG	0.28 lb ai/a	6.4 oz/a	PRE	A							
N-PAK AMS	4.5 SL	1.13 lb ae/a	32 fl oz/a	4-6"W-2 D								
	100 SL	2.5 % v/v	2.5 % v/v	4-6"W-2 D								
13 AUTHORITY FIRST DF								99 a	99 a	99 a	96 a	
ANTHEM	70 WG	0.28 lb ai/a	6.4 oz/a	PRE	A							
ROUNDUP POWERMAX	2.15 SE	0.101 lb ai/a	6 fl oz/a	V2	E							
N-PAK AMS	4.5 SL	1.13 lb ae/a	32 fl oz/a	V2	E							
	100 SL	2.5 % v/v	2.5 % v/v	V2	E							
14 VALOR SX								99 a	96 a	96 a	90 a	
ZIDUA	51 WG	0.064 lb ai/a	2 oz/a	PRE	A							
ROUNDUP POWERMAX	85 WG	0.133 lb ai/a	2.5 oz/a	V2	E							
N-PAK AMS	4.5 SL	1.13 lb ae/a	32 fl oz/a	V2	E							
	100 SL	2.5 % v/v	2.5 % v/v	V2	E							

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code									AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code													
Rating Date									Control	Control	Control	5-27-14	6-9-14
Rating Type									Percent	Percent	Percent	Control	Control
Rating Unit												14 DA-A	27 DA-A
Rating Timing													
Trt-Eval Interval									14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Trt Treatment	Form	Form	Rate	Other	Other	Growth	Appl						
No. Name	Conc	Type	Unit	Rate	Rate	Unit Stage	Code						
15 VALOR SX	51 WG	0.064 lb	ai/a	2 oz/a	PRE	A		99 a	98 a	96 a	87 a		
WARRANT	3 CS	1.13 lb	ai/a	3 pt/a	V2	E							
ROUNDUP POWERMAX	4.5 SL	1.13 lb	ae/a	32 fl oz/a	V2	E							
N-PAK AMS	100 SL	2.5 %	v/v	2.5 % v/v	V2	E							
LSD (P=.05)								2.5	2.7	5.9	21.7	9.3	
Standard Deviation								1.5	1.6	3.5	12.9	5.4	
CV								1.5	1.62	3.62	14.23	6.0	
Replicate F								1.848	1.523	1.580	1.839	1.301	
Replicate Prob(F)								0.1777	0.2368	0.2252	0.1791	0.2965	
Treatment F								1.000	0.963	1.538	2.166	2.472	
Treatment Prob(F)								0.4786	0.5091	0.1696	0.0453	0.0488	

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing									IPOHE Control Percent	IPOHE Control Percent	IPOHE Control Percent	IPOHE 5-27-14 Control Percent 14 DA-A	IPOHE 6-9-14 Control Percent 27 DA-A
Trt-Eval Interval									14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate	Grow h Unit	Appl Code					
1	NONTREATED								0	0	0	0	0
2	BOUNDARY FLEXSTAR GT 3.5 MSO (MSO ULTRA) N-PAK AMS	6.5 EC 2.82 SL 100 SL 100 SL		1.63 lb ai/a 1.23 lb ae/a 1 % v/v 2.5 % v/v		2 pt/a 3.5 pt/a 1 % v/v 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C 4-6"W-1 C	98 a	98 ab	98 ab	96 a	87 bc
3	PREFIX SEQUENCE N-PAK AMS	5.29 EC 5.25 SL 100 SL		1.65 lb ai/a 1.64 lb ae/a 2.5 % v/v		2.5 pt/a 2.5 pt/a 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C	95 a	99 ab	99 ab	96 a	87 bc
4	BOUNDARY PREFIX TOUCHDOWN TOTAL N-PAK AMS	6.5 EC 5.29 EC 4.17 SL 100 SL		1.63 lb ai/a 1.32 lb ai/a 1.04 lb ae/a 2.5 % v/v		2 pt/a 2 pt/a 32 fl oz/a 2.5 % v/v		PRE A 2-4"W B 2-4"W B 2-4"W B	99 a	94 c	94 c	92 a	
5	PREFIX TOUCHDOWN TOTAL N-PAK AMS	5.29 EC 4.17 SL 100 SL		1.65 lb ai/a 1.04 lb ae/a 2.5 % v/v		2.5 pt/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-1 C 4-6"W-1 C	98 a	99 a	99 a	93 a	85 c
6	VALOR XLT ROUNDUP POWERMAX N-PAK AMS	40.3 WG 4.5 SL 100 SL		0.088 lb ai/a 1.13 lb ae/a 2.5 % v/v		3.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D	99 a	99 ab	99 ab	96 a	93 ab
7	FIERCE ROUNDUP POWERMAX N-PAK AMS	76 WG 4.5 SL 100 SL		0.143 lb ai/a 1.13 lb ae/a 2.5 % v/v		3 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D	99 a	99 ab	99 ab	98 a	98 a
8	OPTILL PRO (CO-PACK) OPTILL OUTLOOK ROUNDUP POWERMAX N-PAK AMS	68 WG 6 EC 4.5 SL 100 SL		0.085 lb ai/a 0.47 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 oz/a 10 fl oz/a 32 fl oz/a 2.5 % v/v		PRE A PRE A PRE A 4-6"W-1 C 4-6"W-1 C	99 a	99 a	99 a	96 a	95 a
9	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 WG 3 SL 100 SL		0.09 lb ai/a 0.75 lb ae/a 2.5 % v/v		3.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D	99 a	98 ab	98 ab	98 a	93 a
10	SURVEIL CO-PACK VALOR SX FIRSTRATE DURANGO DMA N-PAK AMS	51 WG 84 WG 4 SL 100 SL		0.064 lb ai/a 0.021 lb ai/a 0.75 lb ae/a 2.5 % v/v		2.4 oz/a 1.5 pt/a 2.5 % v/v		PRE A PRE A PRE A 4-6"W-2 D 4-6"W-2 D	99 a	99 ab	99 ab	98 a	96 a
11	SONIC ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v		6.4 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D	99 a	99 a	99 a	99 a	99 a
12	AUTHORITY XL ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v		6.4 oz/a 32 fl oz/a 2.5 % v/v		PRE A 4-6"W-2 D 4-6"W-2 D	99 a	99 a	99 a	99 a	99 a
13	AUTHORITY FIRST DF ANTHEM ROUNDUP POWERMAX N-PAK AMS	70 WG 2.15 SE 4.5 SL 100 SL		0.28 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v		6.4 oz/a 6 fl oz/a 32 fl oz/a 2.5 % v/v		PRE A V2 E V2 E V2 E	99 a	99 a	99 a	99 a	
14	VALOR SX ZIDUA ROUNDUP POWERMAX N-PAK AMS	51 WG 85 WG 4.5 SL 100 SL		0.064 lb ai/a 0.133 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 oz/a 2.5 oz/a 32 fl oz/a 2.5 % v/v		PRE A V2 E V2 E V2 E	99 a	99 ab	99 ab	96 a	

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing								ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Trt-Eval Interval								Control Percent	Control Percent	Control Percent	5-27-14 Control Percent 14 DA-A	6-9-14 Control Percent 27 DA-A
Trt Treatment No. Name								14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Form	Form	Rate	Other	Other	Growth	Appl						
Conc	Type	Unit	Rate	Rate	Unit	Stage	Code					
1 NONTREATED								0	0	0	0	0
2 BOUNDARY								99 a	99 a	99 a	98 ab	94 a
FLEXSTAR GT 3.5												
MSO (MSO ULTRA)												
N-PAK AMS												
3 PREFIX								98 a	99 a	99 a	95 bc	87 b
SEQUENCE												
N-PAK AMS												
4 BOUNDARY								99 a	99 a	98 a	93 cd	
PREFIX												
TOUCHDOWN TOTAL												
N-PAK AMS												
5 PREFIX								99 a	99 a	99 a	90 d	78 c
TOUCHDOWN TOTAL												
N-PAK AMS												
6 VALOR XLT								99 a	99 a	99 a	98 ab	96 a
ROUNDUP POWERMAX												
N-PAK AMS												
7 FIERCE								99 a	99 a	99 a	99 a	99 a
ROUNDUP POWERMAX												
N-PAK AMS												
8 OPTILL PRO (CO-PACK)								99 a	99 a	99 a	99 a	98 a
OPTILL												
OUTLOOK												
ROUNDUP POWERMAX												
N-PAK AMS												
9 ENVIVE								99 a	99 a	99 a	98 ab	98 a
ABUNDIT EXTRA												
N-PAK AMS												
10 SURVEIL CO-PACK								99 a	99 a	99 a	99 a	99 a
VALOR SX												
FIRSTRATE												
DURANGO DMA												
N-PAK AMS												
11 SONIC								99 a	99 a	99 a	98 ab	98 a
ROUNDUP POWERMAX												
N-PAK AMS												
12 AUTHORITY XL								99 a	99 a	99 a	99 a	98 a
ROUNDUP POWERMAX												
N-PAK AMS												
13 AUTHORITY FIRST DF								99 a	99 a	99 a	98 ab	
ANTHEM												
ROUNDUP POWERMAX												
N-PAK AMS												
14 VALOR SX								99 a	99 a	99 a	98 ab	
ZIDUA												
ROUNDUP POWERMAX												
N-PAK AMS												

Southern Illinois University

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code								ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code												
Rating Date								Control	Control	Control	5-27-14	6-9-14
Rating Type								Percent	Percent	Percent	Control	Control
Rating Unit											14 DA-A	27 DA-A
Rating Timing												
Trt-Eval Interval								14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Trt Treatment	Form	Form	Rate	Other	Other	Growth	Appl					
No. Name	Conc	Type	Rate	Rate	Rate	Unit Stage	Code					
15 VALOR SX	51 WG	0.064 lb	ai/a	2 oz/a	PRE	A		99 a	99 a	99 a	96 abc	
WARRANT	3 CS	1.13 lb	ai/a	3 pt/a	V2	E						
ROUNDUP POWERMAX	4.5 SL	1.13 lb	ae/a	32 fl oz/a	V2	E						
N-PAK AMS	100 SL	2.5 %	v/v	2.5 % v/v	V2	E						
LSD (P=.05)								1.0	0.3	0.5	3.6	6.3
Standard Deviation								0.6	0.2	0.3	2.2	3.7
CV								0.62	0.16	0.28	2.24	3.9
Replicate F								1.000	1.000	0.317	0.989	0.686
Replicate Prob(F)								0.3816	0.3816	0.7311	0.3855	0.5163
Treatment F								1.000	1.000	1.659	4.246	9.969
Treatment Prob(F)								0.4786	0.4786	0.1319	0.0008	0.0001

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								AMATA	AMATA	AMATA	AMATA	AMATA
								Control Percent	Control Percent	Control Percent	5-27-14 Control Percent	6-9-14 Control Percent
								14 DAT	28 DAT	56 DAT	14 DA-A -7 DA-B	27 DA-A 0 DA-C+D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code				
1	NONTREATED								0	0	0	0
2	BOUNDARY FLEXSTAR GT 3.5 MSO (MSO ULTRA) N-PAK AMS	6.5 EC 2.82 SL 100 SL 100 SL		1.63 lb ai/a 1.23 lb ae/a 1 % v/v 2.5 % v/v		2 pt/a 3.5 pt/a 1 % v/v 2.5 % v/v	PRE A 4-6"W-1 C 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	99 a
3	PREFIX SEQUENCE N-PAK AMS	5.29 EC 5.25 SL 100 SL		1.65 lb ai/a 1.64 lb ae/a 2.5 % v/v		2.5 pt/a 2.5 pt/a 2.5 % v/v	PRE A 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	99 a
4	BOUNDARY PREFIX TOUCHDOWN TOTAL N-PAK AMS	6.5 EC 5.29 EC 4.17 SL 100 SL		1.63 lb ai/a 1.32 lb ai/a 1.04 lb ae/a 2.5 % v/v		2 pt/a 2 pt/a 32 fl oz/a 2.5 % v/v	PRE A 2-4"W B 2-4"W B 2-4"W B		99 a	99 a	99 a	
5	PREFIX TOUCHDOWN TOTAL N-PAK AMS	5.29 EC 4.17 SL 100 SL		1.65 lb ai/a 1.04 lb ae/a 2.5 % v/v		2.5 pt/a 32 fl oz/a 2.5 % v/v	PRE A 4-6"W-1 C 4-6"W-1 C		99 a	99 a	99 a	99 a
6	VALOR XLT ROUNDUP POWERMAX N-PAK AMS	40.3 WG 4.5 SL 100 SL		0.088 lb ai/a 1.13 lb ae/a 2.5 % v/v		3.5 oz/a 32 fl oz/a 2.5 % v/v	PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	99 a
7	FIERCE ROUNDUP POWERMAX N-PAK AMS	76 WG 4.5 SL 100 SL		0.143 lb ai/a 1.13 lb ae/a 2.5 % v/v		3 oz/a 32 fl oz/a 2.5 % v/v	PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	99 a
8	OPTILL PRO (CO-PACK) OPTILL OUTLOOK ROUNDUP POWERMAX N-PAK AMS	68 WG 6 EC 4.5 SL 100 SL		0.085 lb ai/a 0.47 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 oz/a 10 fl oz/a 32 fl oz/a 2.5 % v/v	PRE A PRE A PRE A 4-6"W-1 C 4-6"W-1 C		99 a	98 a	98 a	99 a
9	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 WG 3 SL 100 SL		0.09 lb ai/a 0.75 lb ae/a 2.5 % v/v		3.5 oz/a 32 fl oz/a 2.5 % v/v	PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	99 a
10	SURVEIL CO-PACK VALOR SX FIRSTRATE DURANGO DMA N-PAK AMS	51 WG 84 WG 4 SL 100 SL		0.064 lb ai/a 0.021 lb ai/a 0.75 lb ae/a 2.5 % v/v		2.4 oz/a 1.5 pt/a 2.5 % v/v	PRE A PRE A PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	99 a
11	SONIC ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v		6.4 oz/a 32 fl oz/a 2.5 % v/v	PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	99 a
12	AUTHORITY XL ROUNDUP POWERMAX N-PAK AMS	70 WG 4.5 SL 100 SL		0.28 lb ai/a 1.13 lb ae/a 2.5 % v/v		6.4 oz/a 32 fl oz/a 2.5 % v/v	PRE A 4-6"W-2 D 4-6"W-2 D		99 a	99 a	99 a	99 a
13	AUTHORITY FIRST DF ANTHEM ROUNDUP POWERMAX N-PAK AMS	70 WG 2.15 SE 4.5 SL 100 SL		0.28 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v		6.4 oz/a 6 fl oz/a 32 fl oz/a 2.5 % v/v	PRE A V2 E V2 E V2 E		99 a	99 a	99 a	
14	VALOR SX ZIDUA ROUNDUP POWERMAX N-PAK AMS	51 WG 85 WG 4.5 SL 100 SL		0.064 lb ai/a 0.133 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 oz/a 2.5 oz/a 32 fl oz/a 2.5 % v/v	PRE A V2 E V2 E V2 E		99 a	99 a	99 a	

Southern Illinois University

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code									AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code													
Rating Date									Control	Control	Control	5-27-14	6-9-14
Rating Type									Percent	Percent	Percent	Control	Control
Rating Unit												Percent	Percent
Rating Timing												14 DA-A	27 DA-A
Trt-Eval Interval									14 DAT	28 DAT	56 DAT	-7 DA-B	0 DA-C+D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code				
15	VALOR SX	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	3 pt/a		V2	E					
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		V2	E					
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V2	E					
LSD (P=.05)										0.0	1.1	1.1	0.0
Standard Deviation										0.0	0.6	0.6	0.0
CV										0.0	0.64	0.64	0.0
Replicate F										0.000	2.167	2.167	0.000
Replicate Prob(F)										1.0000	0.1348	0.1348	1.0000
Treatment F										0.000	1.000	1.000	0.000
Treatment Prob(F)										1.0000	0.4786	0.4786	1.0000

Pre/Post Programs in Soybean.

Trial ID: 14-21M-E50 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: Syngenta; SIU.
2. Ratings: CI 14 and 28 DA-A, CI 14 and 28 DA-C, CI 14 and 28 DA-D, and CI 14 and 28 DA-E.
WC 0, 14, 28, and 56 DA-C, WC 0, 14, 28, and 56 DA-D, and WC 0, 14, 28, and 56 DA-E.
Rate PREs prior to application C.
3. Yield.
4. Following the PRE application the first significant rainfall event was 0.49 inch the next day.
Following the 2-4"W application the first significant rainfall event was 0.67 inch the next day.
Following the V2 application the first significant rainfall event was 0.6 inch 2 days later.
Following the 4-6"W-1 and 4-6"W-2 applications the first significant rainfall event was 1.38 inch
beginning the same day.
5. Ratings on 6-9-14 at 0 DA-C+D were also 6 DA-B and 4 DA-E which was too soon after the
postemergence applications to rate weed control, thus missing data for treatments 4, and 13-15.
6. DAT = Days after treatment for applications B, C, D or E.
Ratings at 14 days after B, C, D, and E were on 6-17-14, 6-23-14, 6-23-14, and 6-19-14, respectively.
Ratings at 28 days after B, C, D, and E were on 7-1-14, 7-7-14, 7-7-14, and 7-3-14, respectively.
Ratings at 56 days after B, C, D, and E were on 7-29-14, 8-4-14, 8-4-14, and 7-31-14, respectively.
7. Harvested 10-26-14, (2) 30 inch rows by 27 ft.
Plots 112, 202, 207, 213, 306, and 311 had poor stands thus yield data is missing for these plots.
Poor stand was related to low temperatures following planting and poor drainage.