

Rosen's Preemergence Soybean Programs.

Trial ID: 14-T1-S90 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Status: F one-year/final Initiation Date: 5-19-14 Completion Date: 10-25-14		Trial Location
City: Belleville Country: USA		
State/Prov.: Illinois IL		
Postal Code: 62221		

Objectives: Evaluate weed control in soybean with Rosen's 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 Soybean Variety: AG3832 BBCH Scale: BSOY Description: RR2Y	Planting Date: 5-19-14 Planting Method: SEEDED
Depth, Unit: 1 IN Row Spacing, Unit: 30 IN	

Pest Description	
Pest 1 Type: W Code: SETFA Setaria faberi Herrm. Common Name: foxtail, giant	
Pest 2 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. Common Name: morningglory, ivyleaf	
Pest 3 Type: W Code: XANST Xanthium strumarium L. Common Name: cocklebur, common	
Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common	

Site and Design							
Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 27 FT Total Plot Length: 27 FT	Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB L Randomized Complete Block (RCB)						
Replications: 4 Untreated Arrangement: INCLUDED single control randomized in each block							
<table border="1" style="width: 100%;"> <tr> <th>No.</th> <th>Previous Crop</th> <th>Year</th> </tr> <tr> <td>1.</td> <td>ZEAMD</td> <td>2013</td> </tr> </table>		No.	Previous Crop	Year	1.	ZEAMD	2013
No.	Previous Crop	Year					
1.	ZEAMD	2013					

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

Soil Description										
% OM: 3 Texture: SIL silt loam pH: 6.4 Soil Name: Be halto CEC: 9										
Additional Measured Elements										
<table border="1" style="width: 100%;"> <tr> <th>Element</th> <th>Quantity</th> <th>Unit</th> </tr> <tr> <td>P1</td> <td>57</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>369</td> <td>lb/A</td> </tr> </table>		Element	Quantity	Unit	P1	57	lb/A	K	369	lb/A
Element	Quantity	Unit								
P1	57	lb/A								
K	369	lb/A								

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

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

Application Description

	A	B
Application Date:	5-21-14	6-19-14
Appl. Start Time:	8:50	14:00
Appl. Stop Time:	9:45	14:30
Application Method:	Spray	Spray
Application Timing:	PRE	V4
Application Placement:	BROSOI	BROFOL
Applied By:	LXF	RJW
Air Temperature, Unit:	80 F	92 F
% Relative Humidity:	65	52
Wind Velocity, Unit:	6 MPH	6 MPH
Wind Direction:	W	S
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	67 F	77 F
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	20	25
Next Moisture Occurred On:	5-21-14	6-20-14
Time to Next Moisture, Unit:	6 HR	1 DAY

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Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA	GLXMA
Stage Scale Used:	DESC	DESC
Stage Majority, Percent:	NA	V4
Stage Minimum, Percent:		V4
Stage Maximum, Percent:		V4
Height, Unit:		12 IN
Height Minimum, Maximum:		10 12

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:	NA	10
Stage Minimum, Percent:		4
Stage Maximum, Percent:		12
Height, Unit:		8 IN
Height Minimum, Maximum:		4 14
Density, Unit:		1 FT2
Pest 2 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	12
Stage Minimum, Percent:		6
Stage Maximum, Percent:		40
Height, Unit:		4 IN
Height Minimum, Maximum:		4 6
Density, Unit:		1 FT2
Pest 3 Code, Type, Scale:	XANST W	XANST W
Stage Majority, Percent:	NA	10
Stage Minimum, Percent:		8
Stage Maximum, Percent:		14
Height, Unit:		8 IN
Height Minimum, Maximum:		4 14
Density, Unit:		0.5 FT2
Pest 4 Code, Type, Scale:	AMATA W	AMATA W
Stage Majority, Percent:	NA	8
Stage Minimum, Percent:		6
Stage Maximum, Percent:		12
Height, Unit:		6 IN
Height Minimum, Maximum:		3 8
Density, Unit:		0.01 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

Southern Illinois University

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Pest Code Crop Code Rating Date							GLXMA 10-25-14	GLXMA 10-25-14	GLXMA 10-25-14	GLXMA 6-4-14	GLXMA 6-18-14	GLXMA 7-3-14	GLXMA 7-17-14	GLXMA 8-14-14
Rating Type Rating Unit Rating Timing Trt-Eval Interval							Moisture Percent	Test wt. lb/bu	Yield bu/A	Injury Percent 14 DA-A	Injury Percent 28 DA-A	Injury Percent 14 DA-B	Injury Percent 28 DA-B	Injury Percent 56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit	Appl Stage	Code					
1	NON TREATED													
2	BLANKET 4F BUCCANEER PLUS	4 SC 3 SL		0.188 lb ai/a 1.13 lb ae/a		6 fl oz/a 3 pt/a	PRE V4	A B		12.5 a	57.4 a	67 b	0 a	0 a
3	BLANKET 4F GLORY BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb ai/a 0.28 lb ai/a 1.13 lb ae/a		6 fl oz/a 6 oz/a 3 pt/a	PRE PRE V4	A A B		12.5 a	57.4 a	74 ab	0 a	0 a
4	BLANKET 4F RESIST BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb ai/a 0.188 lb ai/a 1.13 lb ae/a		6 fl oz/a 4 oz/a 3 pt/a	PRE PRE V4	A A B		12.4 a	57.4 a	77 a	0 a	0 a
5	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb ai/a 0.81 lb ai/a 1.13 lb ae/a		6 fl oz/a 3 pt/a 3 pt/a	PRE PRE V4	A A B		12.5 a	57.4 a	70 ab	0 a	0 a
6	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb ai/a 0.81 lb ai/a 0.375 lb ae/a		6 fl oz/a 3 pt/a 1 pt/a	PRE V4 V4	A B B		12.8 a	57.5 a	74 ab	0 a	0 a
7	BLANKET 4F GLORY THUNDER MASTER BUCCANEER PLUS	4 SC 75 WG 2.17 SL 3 SL		0.188 lb ai/a 0.28 lb ai/a 0.81 lb ai/a 0.375 lb ae/a		6 fl oz/a 6 oz/a 3 pt/a 1 pt/a	PRE PRE V4 V4	A A B B		12.4 a	57.4 a	72 ab	0 a	0 a
8	BLANKET 4F RESIST CAMO BUCCANEER PLUS	4 SC 75 WG 100 SL 3 SL		0.188 lb ai/a 0.188 lb ai/a 1 pt/a 1.13 lb ae/a		6 fl oz/a 4 oz/a 1 pt/a 3 pt/a	PRE PRE V4 V4	A A B B		12.3 a	57.4 a	72 ab	0 a	0 a
9	SONIC BUCCANEER PLUS	70 WG 3 SL		0.28 lb ai/a 1.13 lb ae/a		6.4 oz/a 3 pt/a	PRE V4	A B		12.5 a	57.4 a	73 ab	0 a	0 a
10	ENVIVE BUCCANEER PLUS	41.3 WG 3 SL		0.09 lb ai/a 1.13 lb ae/a		3.5 oz/a 3 pt/a	PRE V4	A B		12.3 a	57.5 a	72 ab	0 a	0 a
11	FIERCE BUCCANEER PLUS	76 WG 3 SL		0.143 lb ai/a 1.13 lb ae/a		3 oz/a 3 pt/a	PRE V4	A B		12.5 a	57.4 a	75 ab	0 a	0 a
12	PREFIX BUCCANEER PLUS	5.29 EC 3 SL		1.65 lb ai/a 1.13 lb ae/a		2.5 pt/a 3 pt/a	PRE V4	A B		12.4 a	57.4 a	71 ab	0 a	0 a
LSD (P=.05)							0.91	0.55	9.1	0.0	0.0	0.0	0.0	0.0
Standard Deviation							0.63	0.38	6.3	0.0	0.0	0.0	0.0	0.0
CV							5.01	0.66	9.19	0.0	0.0	0.0	0.0	0.0
Replicate F							4.129	2.125	1.834	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)							0.0136	0.1158	0.1603	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F							1.598	1.455	21.809	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)							0.1455	0.1958	0.0001	1.0000	1.0000	1.0000	1.0000	1.0000

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.

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Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
1	NONTREATED								0	0	0
2	BLANKET 4F BUCCANEER PLUS	4 SC 3 SL		0.188 lb ai/a 1.13 lb ae/a	6 fl oz/a 3 pt/a		PRE V4	A B	92 a	86 a	99 a
3	BLANKET 4F GLORY BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb ai/a 0.28 lb ai/a 1.13 lb ae/a	6 fl oz/a 6 oz/a 3 pt/a		PRE V4	A A B	92 a	86 a	99 a
4	BLANKET 4F RESIST BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb ai/a 0.188 lb ai/a 1.13 lb ae/a	6 fl oz/a 4 oz/a 3 pt/a		PRE V4	A A B	95 a	80 a	99 a
5	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb ai/a 0.81 lb ai/a 1.13 lb ae/a	6 fl oz/a 3 pt/a 3 pt/a		PRE V4	A A B	89 a	86 a	99 a
6	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb ai/a 0.81 lb ai/a 0.375 lb ae/a	6 fl oz/a 3 pt/a 1 pt/a		PRE V4	A B B	89 a	66 a	99 a
7	BLANKET 4F GLORY THUNDER MASTER BUCCANEER PLUS	4 SC 75 WG 2.17 SL 3 SL		0.188 lb ai/a 0.28 lb ai/a 0.81 lb ai/a 0.375 lb ae/a	6 fl oz/a 6 oz/a 3 pt/a 1 pt/a		PRE V4	A A B B	89 a	83 a	99 a
8	BLANKET 4F RESIST CAMO BUCCANEER PLUS	4 SC 75 WG 100 SL 3 SL		0.188 lb ai/a 0.188 lb ai/a 1 pt/a 1.13 lb ae/a	6 fl oz/a 4 oz/a 1 pt/a 3 pt/a		PRE V4	A A B B	81 a	63 a	99 a
9	SONIC BUCCANEER PLUS	70 WG 3 SL		0.28 lb ai/a 1.13 lb ae/a	6.4 oz/a 3 pt/a		PRE V4	A B	82 a	58 a	99 a
10	ENVIVE BUCCANEER PLUS	41.3 WG 3 SL		0.09 lb ai/a 1.13 lb ae/a	3.5 oz/a 3 pt/a		PRE V4	A B	78 a	61 a	99 a
11	FIERCE BUCCANEER PLUS	76 WG 3 SL		0.143 lb ai/a 1.13 lb ae/a	3 oz/a 3 pt/a		PRE V4	A B	94 a	93 a	99 a
12	PREFIX BUCCANEER PLUS	5.29 EC 3 SL		1.65 lb ai/a 1.13 lb ae/a	2.5 pt/a 3 pt/a		PRE V4	A B	97 a	97 a	99 a
LSD (P=.05)							16.6	34.9	0.0	0.0	0.0
Standard Deviation							11.5	24.2	0.0	0.0	0.0
CV							12.95	30.99	0.0	0.0	0.0
Replicate F							1.422	1.961	0.000	0.000	0.000
Replicate Prob(F)							0.2558	0.1411	1.0000	1.0000	1.0000
Treatment F							1.130	1.274	0.000	0.000	0.000
Treatment Prob(F)							0.3736	0.2882	1.0000	1.0000	1.0000

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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code			
1	NONTREATED								0	0	0
2	BLANKET 4F BUCCANEER PLUS	4 SC 3 SL	0.188 lb ai/a 1.13 lb ae/a	6 fl oz/a 3 pt/a	PRE V4	A B			85 a	84 a	95 ab
3	BLANKET 4F GLORY BUCCANEER PLUS	4 SC 75 WG 3 SL	0.188 lb ai/a 0.28 lb ai/a 1.13 lb ae/a	6 fl oz/a 6 oz/a 3 pt/a	PRE PRE V4	A A B			85 a	85 a	95 ab
4	BLANKET 4F RESIST BUCCANEER PLUS	4 SC 75 WG 3 SL	0.188 lb ai/a 0.188 lb ai/a 1.13 lb ae/a	6 fl oz/a 4 oz/a 3 pt/a	PRE PRE V4	A A B			84 ab	83 ab	93 abc
5	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL	0.188 lb ai/a 0.81 lb ai/a 1.13 lb ae/a	6 fl oz/a 3 pt/a 3 pt/a	PRE PRE V4	A A B			45 bc	45 bcd	94 abc
6	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL	0.188 lb ai/a 0.81 lb ai/a 0.375 lb ae/a	6 fl oz/a 3 pt/a 1 pt/a	PRE V4 V4	A B B			79 ab	79 abc	97 ab
7	BLANKET 4F GLORY THUNDER MASTER BUCCANEER PLUS	4 SC 75 WG 2.17 SL 3 SL	0.188 lb ai/a 0.28 lb ai/a 0.81 lb ai/a 0.375 lb ae/a	6 fl oz/a 6 oz/a 3 pt/a 1 pt/a	PRE PRE V4 V4	A A B B			90 a	90 a	98 ab
8	BLANKET 4F RESIST CAMO BUCCANEER PLUS	4 SC 75 WG 100 SL 3 SL	0.188 lb ai/a 0.188 lb ai/a 1 pt/a 1.13 lb ae/a	6 fl oz/a 4 oz/a 1 pt/a 3 pt/a	PRE PRE V4 V4	A A B B			90 a	89 a	98 ab
9	SONIC BUCCANEER PLUS	70 WG 3 SL	0.28 lb ai/a 1.13 lb ae/a	6.4 oz/a 3 pt/a	PRE V4	A B			92 a	92 a	99 a
10	ENVIVE BUCCANEER PLUS	41.3 WG 3 SL	0.09 lb ai/a 1.13 lb ae/a	3.5 oz/a 3 pt/a	PRE V4	A B			45 bc	44 cd	93 bc
11	FIERCE BUCCANEER PLUS	76 WG 3 SL	0.143 lb ai/a 1.13 lb ae/a	3 oz/a 3 pt/a	PRE V4	A B			20 c	19 d	89 cd
12	PREFIX BUCCANEER PLUS	5.29 EC 3 SL	1.65 lb ai/a 1.13 lb ae/a	2.5 pt/a 3 pt/a	PRE V4	A B			25 c	25 d	85 d
LSD (P=.05)							39.1	38.3	5.7	6.1	6.1
Standard Deviation							27.1	26.6	4.0	4.2	4.2
CV							40.25	39.82	4.23	4.46	4.46
Replicate F							1.419	1.336	1.446	0.574	0.574
Replicate Prob(F)							0.2565	0.2811	0.2490	0.6364	0.6364
Treatment F							4.205	4.390	4.371	4.001	4.001
Treatment Prob(F)							0.0011	0.0008	0.0008	0.0015	0.0015

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							6-4-14 Control Percent	6-18-14 Control Percent	7-3-14 Control Percen	7-17-14 Control Percen	8-14-14 Control Percen
							14 DA-A	28 DA-A	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code			
1	NONTREATED								0	0	0
2	BLANKET 4F BUCCANEER PLUS	4 SC 3 SL		0.188 lb ai/a 1.13 lb ae/a	6 fl oz/a 3 pt/a		PRE V4	A B	94 a	94 a	99 a
3	BLANKET 4F GLORY BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb ai/a 0.28 lb ai/a 1.13 lb ae/a	6 fl oz/a 6 oz/a 3 pt/a		PRE PRE V4	A A B	89 a	86 a	99 a
4	BLANKET 4F RESIST BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb ai/a 0.188 lb ai/a 1.13 lb ae/a	6 fl oz/a 4 oz/a 3 pt/a		PRE PRE V4	A A B	89 a	81 a	99 a
5	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb ai/a 0.81 lb ai/a 1.13 lb ae/a	6 fl oz/a 3 pt/a 3 pt/a		PRE PRE V4	A A B	72 a	71 a	99 a
6	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb ai/a 0.81 lb ai/a 0.375 lb ae/a	6 fl oz/a 3 pt/a 1 pt/a		PRE V4 V4	A B B	65 a	65 a	99 a
7	BLANKET 4F GLORY THUNDER MASTER BUCCANEER PLUS	4 SC 75 WG 2.17 SL 3 SL		0.188 lb ai/a 0.28 lb ai/a 0.81 lb ai/a 0.375 lb ae/a	6 fl oz/a 6 oz/a 3 pt/a 1 pt/a		PRE PRE V4 V4	A A B B	57 a	56 a	99 a
8	BLANKET 4F RESIST CAMO BUCCANEER PLUS	4 SC 75 WG 100 SL 3 SL		0.188 lb ai/a 0.188 lb ai/a 1 pt/a 1.13 lb ae/a	6 fl oz/a 4 oz/a 1 pt/a 3 pt/a		PRE PRE V4 V4	A A B B	71 a	71 a	99 a
9	SONIC BUCCANEER PLUS	70 WG 3 SL		0.28 lb ai/a 1.13 lb ae/a	6.4 oz/a 3 pt/a		PRE V4	A B	92 a	92 a	99 a
10	ENVIVE BUCCANEER PLUS	41.3 WG 3 SL		0.09 lb ai/a 1.13 lb ae/a	3.5 oz/a 3 pt/a		PRE V4	A B	94 a	93 a	99 a
11	FIERCE BUCCANEER PLUS	76 WG 3 SL		0.143 lb ai/a 1.13 lb ae/a	3 oz/a 3 pt/a		PRE V4	A B	49 a	49 a	99 a
12	PREFIX BUCCANEER PLUS	5.29 EC 3 SL		1.65 lb ai/a 1.13 lb ae/a	2.5 pt/a 3 pt/a		PRE V4	A B	92 a	90 a	99 a
LSD (P=.05)							46.7	46.9	0 0	3.4	3.4
Standard Deviation							32.4	32.5	0 0	2.4	2.4
CV							41.29	42.25	0.0	2.43	2.43
Replicate F							1.243	1.370	0.000	2.294	2 294
Replicate Prob(F)							0.3114	0.2708	1.0000	0.0981	0 0981
Treatment F							1.022	0.937	0.000	0.941	0 941
Treatment Prob(F)							0.4486	0.5144	1.0000	0.5118	0 5118

Rosen's Preemergence Soybean Programs.

Trial ID: 14-T1-S90 Loca ion: 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 6-4-14 Control Percent 14 DA-A	AMATA 6-18-14 Control Percent -1 DA-B 28 DA-A	AMATA 7-3-14 Control Percen 14 DA-B	AMATA 7-17-14 Control Percen 28 DA-B	AMATA 8-14-14 Control Percent 56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Appl Stage	Code		
1	NONTREATED										0	0
2	BLANKET 4F BUCCANEER PLUS	4 SC 3 SL		0.188 lb 1.13 lb	ai/a ae/a	6 fl oz/a 3 pt/a		PRE V4	A B		99 a	97 a
3	BLANKET 4F GLORY BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb 0.28 lb 1.13 lb	ai/a ai/a ae/a	6 fl oz/a 6 oz/a 3 pt/a		PRE PRE V4	A A B		99 a	99 a
4	BLANKET 4F RESIST BUCCANEER PLUS	4 SC 75 WG 3 SL		0.188 lb 0.188 lb 1.13 lb	ai/a ai/a ae/a	6 fl oz/a 4 oz/a 3 pt/a		PRE PRE V4	A A B		99 a	99 a
5	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb 0.81 lb 1.13 lb	ai/a ai/a ae/a	6 fl oz/a 3 pt/a 3 pt/a		PRE PRE V4	A A B		98 a	97 a
6	BLANKET 4F THUNDER MASTER BUCCANEER PLUS	4 SC 2.17 SL 3 SL		0.188 lb 0.81 lb 0.375 lb	ai/a ai/a ae/a	6 fl oz/a 3 pt/a 1 pt/a		PRE V4 V4	A B B		99 a	98 a
7	BLANKET 4F GLORY THUNDER MASTER BUCCANEER PLUS	4 SC 75 WG 2.17 SL 3 SL		0.188 lb 0.28 lb 0.81 lb 0.375 lb	ai/a ai/a ai/a ae/a	6 fl oz/a 6 oz/a 3 pt/a 1 pt/a		PRE PRE V4 V4	A A B B		99 a	99 a
8	BLANKET 4F RESIST CAMO BUCCANEER PLUS	4 SC 75 WG 100 SL 3 SL		0.188 lb 0.188 lb 1 1.13 lb	ai/a ai/a pt/a ae/a	6 fl oz/a 4 oz/a 1 pt/a 3 pt/a		PRE PRE V4 V4	A A B B		99 a	97 a
9	SONIC BUCCANEER PLUS	70 WG 3 SL		0.28 lb 1.13 lb	ai/a ae/a	6.4 oz/a 3 pt/a		PRE V4	A B		99 a	99 a
10	ENVIVE BUCCANEER PLUS	41.3 WG 3 SL		0.09 lb 1.13 lb	ai/a ae/a	3.5 oz/a 3 pt/a		PRE V4	A B		99 a	98 a
11	FIERCE BUCCANEER PLUS	76 WG 3 SL		0.143 lb 1.13 lb	ai/a ae/a	3 oz/a 3 pt/a		PRE V4	A B		99 a	99 a
12	PREFIX BUCCANEER PLUS	5.29 EC 3 SL		1.65 lb 1.13 lb	ai/a ae/a	2.5 pt/a 3 pt/a		PRE V4	A B		99 a	99 a
LSD (P=.05)								0.9	2.7	0.0	0.2	0.2
Standard Deviation								0.6	1.9	0.0	0.2	0.2
CV								0.61	1.93	0.0	0.15	0.15
Replicate F								1.000	0.884	0.000	1.000	1.000
Replicate Prob(F)								0.4064	0.4604	1.0000	0.4064	0.4064
Treatment F								1.000	0.951	0.000	1.000	1.000
Treatment Prob(F)								0.4654	0.5034	1.0000	0.4654	0.4654

Rosen's Preemergence Soybean Programs.

Trial ID: 14-T1-S90 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: Rosen's (PRE soybean programs).
2. Ratings: CI 14 and 28 DA-A, CI 14 and 28 DA-B;
WC 0, 14, 28, and 56 DA-B.
3. Yield.
4. Following the PRE application the first significant rainfall event was 0.57 inch beginning 6 days later.
Following the V4 application the first significant rainfall event was 2.09 inch beginning the next day.
5. Harvested 10-25-14, (2) 30 inch rows by 24 ft.