

Authority Overlap.

Trial ID: 15-9B-N160 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Status: F one-year/final
Initiation Date: 7-18-15
Completion Date: 10-26-15

Trial Location

City: Belleville **Country:** USA
State/Prov.: Illinois IL
Postal Code: 62221

Objectives:

Evaluate overlapping residual concepts on grass and broadleaf weed species.

Contacts

Study Director: Ronald F. Krausz **Title:** Researcher/Farm Manager
Organization: Belleville Research Center - Southern Illinois Univ Carbondale
Address: 2036 Charles Lane **Phone No.:** 618-566-4761
City+State/Prov: Belleville, IL
Postal Code: 62221 **E-mail:** rkrausz@siu.edu
Country: USA

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: AG3832 **BBCH Scale:** BSOY
Description: RR2Y
Planting Date: 7-18-15
Planting Rate, Unit: 140000 S/A **Planting Method:** SEEDED
Depth, Unit: 1 IN
Row Spacing, Unit: 30 IN

Pest Description

Pest 1 Type: W **Code:** AMAPA *Amaranthus palmeri* S.Wats.
Common Name: amaranth, Palmer
Pest 2 Type: W **Code:** IPOHE *Ipomoea hederacea* (L.) Jacq.
Common Name: morningglory, ivyleaf

Site and Design

Treated Plot Width: 7.5 FT **Total Plot Width:** 10 FT **Site Type:** FIELD
Treated Plot Length: 25 FT **Total Plot Length:** 25 FT **Experimental Unit:** 1 PLOT
Tillage Type: REDTIL reduced-till
Replications: 4 **Study Design:** RACOB L Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

No.	Previous Crop	Year
1.	NON-CROP	2014

Maintenance

No.	Maintenance Product Name
1.	N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A

Soil Description

Description Name: 09B_2013
% OM: 2.9 **Texture:** SIL silt loam
pH: 6.2 **Soil Name:** Bethalto
CEC: 11

Additional Measured Elements

Element	Quantity	Unit
P1	72	lb/A
K	275	lb/A

Moisture and Weather Conditions

Overall Moisture Conditions: ABONOR
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.	7-1-15					7	DAY	63	88	F
2.	7-1-15	0.64	IN	RAIN	rain	2	DAY			
3.	7-7-15	1.33	IN	RAIN	rain	2	DAY			
4.	7-8-15					7	DAY	59	97	F
5.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
6.	7-15-15					7	DAY	69	93	F
7.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
8.	7-22-15					7	DAY	65	95	F
9.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
10.	7-29-15					7	DAY	65	93	F
11.	8-5-15					7	DAY	64	88	F
12.	8-5-15	2.25	IN	RAIN	rain	1	DAY			
13.	8-9-15	0.47	IN	RAIN	rain	1	DAY			
14.	8-12-15					7	DAY	63	89	F
15.	8-18-15	2.23	IN	RAIN	rain	2	DAY			
16.	8-19-15					7	DAY	52	82	F
17.	8-22-15	0.18	IN	RAIN	rain	1	DAY			
18.	8-26-15					7	DAY	54	91	F
19.	9-2-15					7	DAY	68	94	F
20.	9-8-15	1.93	IN	RAIN	rain	2	DAY			
21.	9-9-15					7	DAY	47	83	F
22.	9-11-15	0.4	IN	RAIN	rain	1	DAY			
23.	9-16-15					7	DAY	51	90	F
24.	9-19-15	0.14	IN	RAIN	rain	1	DAY			
25.	9-23-15					7	DAY	54	85	F
26.	9-28-15	0.13	IN	RAIN	rain	1	DAY			

Application Description

	A	B	C
Application Date:	7-19-15	8-4-15	8-4-15
Appl. Start Time:	8:30	9:00	9:00
Appl. Stop Time:	9:00	9:45	9:45
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V2	EPOST
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	MEJ	KNW	KNW
Air Temperature, Unit:	74 F	80 F	80 F
% Relative Humidity:	97	74	74
Wind Velocity, Unit:	2 MPH	2 MPH	2 MPH
Wind Direction:	W	W	W
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	80 F	79 F	79 F
Soil Moisture:	NORMAL	NORMAL	NORMAL
% Cloud Cover:	100	25	25
Next Moisture Occurred On:	7-19-15	8-5-15	8-5-15
Time to Next Moisture, Unit:	12 HR	20 HR	20 HR

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Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA	GLXMA	GLXMA
Stage Scale Used:	DESC	DESC	DESC
Stage Majority, Percent:	NA	V2	V2
Stage Minimum, Percent:		V1	V1
Stage Maximum, Percent:		V2	V2
Height, Unit:		6 IN	6 IN
Height Minimum, Maximum:		4 6	4 6

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:	NA	10	10
Stage Minimum, Percent:		8	8
Stage Maximum, Percent:		12	12
Height, Unit:		4 IN	4 IN
Height Minimum, Maximum:		4 6	2 4
Density, Unit:		10 FT2	0.1 FT2
Pest 2 Code, Type, Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	4	4
Stage Minimum, Percent:		4	4
Stage Maximum, Percent:		6	8
Height, Unit:		3 IN	4 IN
Height Minimum, Maximum:		2 4	2 4
Density, Unit:		1 FT2	0.2 FT2

Application Equipment

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

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 10-26-15 Moisture Percent	GLXMA 10-26-15 Test wt. lb/bu	GLXMA 10-26-15 Yield bu/A			
Trt No.	Treatment Name	Form Type	Form Rate	Form Unit	Rate	Other Rate	Other Unit	Growth Stage	Appl Code			
1	AUTHORITY MAXX ROUNDUP POWERMAX N-PAK AMS	66 WG 4.5 SL 100 SL	0.206 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ae/a v/v	5 oz/a 32 fl oz/a 2.5 % v/v			PRE EPOST EPOST	A C C	12.9 a	55.3 a	44 ab
2	AUTHORITY MAXX MARVEL ROUNDUP POWERMAX N-PAK AMS	66 WG 3 SL 4.5 SL 100 SL	0.206 lb ai/a 0.17 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	5 oz/a 7.25 fl oz/a 32 fl oz/a 2.5 % v/v			PRE EPOST EPOST EPOST	A C C C	13.3 a	55.0 a	39 bcd
3	AUTHORITY MAXX ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	66 WG 4.3 SC 4.5 SL 100 SL	0.206 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	5 oz/a 3 fl oz/a 32 fl oz/a 2.5 % v/v			PRE V2 V2 V2	A B B B	12.9 a	55.3 a	38 bcd
4	AUTHORITY ELITE MARVEL ROUNDUP POWERMAX N-PAK AMS	7 SC 3 SL 4.5 SL 100 SL	1.37 lb ai/a 0.17 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	25 fl oz/a 7.25 fl oz/a 32 fl oz/a 2.5 % v/v			PRE EPOST EPOST EPOST	A C C C	13.7 a	54.7 a	33 d
5	AUTHORITY ELITE ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	7 SC 4.3 SC 4.5 SL 100 SL	1.37 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	25 fl oz/a 3 fl oz/a 32 fl oz/a 2.5 % v/v			PRE V2 V2 V2	A B B B	12.8 a	55.3 a	43 ab
6	AUTHORITY MTZ MARVEL ROUNDUP POWERMAX N-PAK AMS	45 WG 3 SL 4.5 SL 100 SL	0.394 lb ai/a 0.17 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	14 oz/a 7.25 fl oz/a 32 fl oz/a 2.5 % v/v			PRE EPOST EPOST EPOST	A C C C	13.2 a	55.1 a	40 abc
7	AUTHORITY MTZ ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	45 WG 4.3 SC 4.5 SL 100 SL	0.394 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	14 oz/a 3 fl oz/a 32 fl oz/a 2.5 % v/v			PRE V2 V2 V2	A B B B	13.1 a	55.1 a	39 bcd
8	NONTREATED									13.3 a	55.0 a	24 e
9	TRIVENCE CINCH ROUNDUP POWERMAX N-PAK AMS	61.3 WG 7.64 SC 4.5 SL 100 SL	0.23 lb ai/a 0.955 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	6 oz/a 1 pt/a 32 fl oz/a 2.5 % v/v			PRE V2 V2 V2	A B B B	12.9 a	55.3 a	46 a
10	ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	4.3 SC 4.5 SL 100 SL	0.134 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ae/a v/v	4 fl oz/a 32 fl oz/a 2.5 % v/v			V2 V2 V2	B B B	13.8 a	54.7 a	35 cd
11	CINCH ROUNDUP POWERMAX N-PAK AMS	7.64 SC 4.5 SL 100 SL	1.24 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ae/a v/v	1.3 pt/a 32 fl oz/a 2.5 % v/v			V2 V2 V2	B B B	13.4 a	55.0 a	36 cd

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=6,7,9,10,13,16,19,22,11,14,17,20,23,12,15,18,21,24

Could not calculate LSD (% mean diff) for columns 10,13,19,22 because error mean square = 0.

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Pest Code									GLXMA	GLXMA	GLXMA	
Crop Code									10-26-15	10-26-15	10-26-15	
Rating Date									Moisture	Test wt.	Yield	
Rating Type									Percent	lb/bu	bu/A	
Rating Unit												
Rating Timing												
Trt-Eval Interval												
Trt. Treatment	Form	Form	Rate	Other	Other	Growth	Appl					
No. Name	Conc	Type	Rate	Unit	Rate	Rate	Unit	Stage	Code			
12 NONTREATED										12.9 a	55.3 a	25 e
LSD P=.05									0.89	0.56	6.8	
Standard Deviation									0.62	0.39	4.7	
CV									4.69	0.7	12.78	
Replicate F									1.625	1.800	2.664	
Replicate Prob(F)									0.2044	0.1686	0.0658	
Treatment F									1.247	1.355	8.295	
Treatment Prob(F)									0.3011	0.2445	0.0001	

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 8-3-15 Injury Percent -1 DA-B+C 15 DA-A	GLXMA 8-19-15 Injury Percent 15 DA-B+C 31 DA-A	GLXMA 9-3-15 Injury Percent 30 DA-B+C 46 DA-A	GLXMA 10-3-15 Injury Percent 60 DA-B+C 76 DA-A	GLXMA 10-26-15 Injury Percent 83 DA-B+C 99 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Rate	Other Rate	Other Unit	Growth Stage	Appl Code					
1	AUTHORITY MAXX ROUNDUP POWERMAX N-PAK AMS	66 WG 4.5 SL 100 SL		0.206 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ae/a v/v	5 oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE EPOST EPOST	A C C	0 a	0 b	0 a	0 a	0 a
2	AUTHORITY MAXX MARVEL ROUNDUP POWERMAX N-PAK AMS	66 WG 3 SL 4.5 SL 100 SL		0.206 lb ai/a 0.17 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	5 oz/a 7.25 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE EPOST EPOST EPOST	A C C C	0 a	10 a	1 a	0 a	0 a
3	AUTHORITY MAXX ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	66 WG 4.3 SC 4.5 SL 100 SL		0.206 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	5 oz/a 3 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE V2 V2 V2	A B B B	0 a	10 a	1 a	0 a	0 a
4	AUTHORITY ELITE MARVEL ROUNDUP POWERMAX N-PAK AMS	7 SC 3 SL 4.5 SL 100 SL		1.37 lb ai/a 0.17 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	25 fl oz/a 7.25 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE EPOST EPOST EPOST	A C C C	0 a	10 a	2 a	0 a	0 a
5	AUTHORITY ELITE ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	7 SC 4.3 SC 4.5 SL 100 SL		1.37 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	25 fl oz/a 3 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE V2 V2 V2	A B B B	0 a	10 a	1 a	0 a	0 a
6	AUTHORITY MTZ MARVEL ROUNDUP POWERMAX N-PAK AMS	45 WG 3 SL 4.5 SL 100 SL		0.394 lb ai/a 0.17 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	14 oz/a 7.25 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE EPOST EPOST EPOST	A C C C	0 a	10 a	0 a	0 a	0 a
7	AUTHORITY MTZ ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	45 WG 4.3 SC 4.5 SL 100 SL		0.394 lb ai/a 0.101 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	14 oz/a 3 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	PRE V2 V2 V2	A B B B	0 a	10 a	0 a	0 a	0 a
8	NONTREATED										0	0	0	0	0
9	TRIVENCE CINCH ROUNDUP POWERMAX N-PAK AMS	61.3 WG 7.64 SC 4.5 SL 100 SL		0.23 lb ai/a 0.955 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	6 oz/a 1 pt/a 32 fl oz/a 2.5 % v/v		oz/a	PRE V2 V2 V2	A B B B	0 a	0 b	0 a	0 a	0 a
10	ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	4.3 SC 4.5 SL 100 SL		0.134 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ae/a v/v	4 fl oz/a 32 fl oz/a 2.5 % v/v		oz/a	V2 V2 V2	B B B		10 a	0 a	0 a	0 a
11	CINCH ROUNDUP POWERMAX N-PAK AMS	7.64 SC 4.5 SL 100 SL		1.24 lb ai/a 1.13 lb ae/a 2.5 % v/v	ai/a ae/a v/v	1.3 pt/a 32 fl oz/a 2.5 % v/v		pt/a	V2 V2 V2	B B B		0 b	0 a	0 a	0 a

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Pest Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA							
Crop Code	8-3-15	8-19-15	9-3-15	10-3-15	10-26-15							
Rating Date	Injury	Injury	Injury	Injury	Injury							
Rating Type	Percent	Percent	Percent	Percent	Percent							
Rating Unit	-1 DA-B+C	15 DA-B+C	30 DA-B+C	60 DA-B+C	83 DA-B+C							
Rating Timing	15 DA-A	31 DA-A	46 DA-A	76 DA-A	99 DA-A							
Trt-Eval Interval												
Trt. Treatment No. Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code					
12 NONTREATED								0	0	0	0	0
LSD P=.05										1.9		
Standard Deviation	0.0	0.0								1.3	0.0	0.0
CV	0.0	0.0								241.19	0.0	0.0
Replicate F	0.000	0.000								5.574	0.000	0.000
Replicate Prob(F)	1.0000	1.0000								0.0043	1.0000	1.0000
Treatment F	0.000	0.000								1.180	0.000	0.000
Treatment Prob(F)	1.0000	1.0000								0.3479	1.0000	1.0000

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMAPA	AMAPA	AMAPA	AMAPA	AMAPA			
							8-3-15 Control Percent -1 DA-B+C 15 DA-A	8-19-15 Control Percent 15 DA-B+C 31 DA-A	9-3-15 Control Percent 30 DA-B+C 46 DA-A	10-3-15 Control Percent 60 DA-B+C 76 DA-A	10-26-15 Control Percent 83 DA-B+C 99 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code					
1	AUTHORITY MAXX ROUNDUP POWERMAX N-PAK AMS	66 4.5 100	WG SL SL	0.206 1.13 2.5	lb ai/a ae/a % v/v	5 32 2.5	oz/a fl oz/a % v/v	PRE EPOST EPOST	A C C	96 b	99 a	99 a	99 a	99 a
2	AUTHORITY MAXX MARVEL ROUNDUP POWERMAX N-PAK AMS	66 3 4.5 100	WG SL SL SL	0.206 0.17 1.13 2.5	lb ai/a ai/a ae/a % v/v	5 7.25 32 2.5	oz/a fl oz/a fl oz/a % v/v	PRE EPOST EPOST EPOST	A C C C	96 b	99 a	99 a	99 a	99 a
3	AUTHORITY MAXX ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	66 4.3 4.5 100	WG SC SL SL	0.206 0.101 1.13 2.5	lb ai/a ai/a ae/a % v/v	5 3 32 2.5	oz/a fl oz/a fl oz/a % v/v	PRE V2 V2 V2	A B B B	99 a	99 a	99 a	99 a	99 a
4	AUTHORITY ELITE MARVEL ROUNDUP POWERMAX N-PAK AMS	7 3 4.5 100	SC SL SL SL	1.37 0.17 1.13 2.5	lb ai/a ai/a ae/a % v/v	25 7.25 32 2.5	fl oz/a fl oz/a fl oz/a % v/v	PRE EPOST EPOST EPOST	A C C C	99 a	99 a	99 a	99 a	99 a
5	AUTHORITY ELITE ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	7 4.3 4.5 100	SC SC SL SL	1.37 0.101 1.13 2.5	lb ai/a ai/a ae/a % v/v	25 3 32 2.5	fl oz/a fl oz/a fl oz/a % v/v	PRE V2 V2 V2	A B B B	99 a	99 a	99 a	99 a	99 a
6	AUTHORITY MTZ MARVEL ROUNDUP POWERMAX N-PAK AMS	45 3 4.5 100	WG SL SL SL	0.394 0.17 1.13 2.5	lb ai/a ai/a ae/a % v/v	14 7.25 32 2.5	oz/a fl oz/a fl oz/a % v/v	PRE EPOST EPOST EPOST	A C C C	99 a	99 a	99 a	99 a	99 a
7	AUTHORITY MTZ ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	45 4.3 4.5 100	WG SC SL SL	0.394 0.101 1.13 2.5	lb ai/a ai/a ae/a % v/v	14 3 32 2.5	oz/a fl oz/a fl oz/a % v/v	PRE V2 V2 V2	A B B B	99 a	99 a	99 a	99 a	99 a
8	NONTREATED									0	0	0	0	0
9	TRIVENCE CINCH ROUNDUP POWERMAX N-PAK AMS	61.3 7.64 4.5 100	WG SC SL SL	0.23 0.955 1.13 2.5	lb ai/a ai/a ae/a % v/v	6 1 32 2.5	oz/a pt/a fl oz/a % v/v	PRE V2 V2 V2	A B B B	99 a	99 a	99 a	99 a	99 a
10	ANTHEM MAXX ROUNDUP POWERMAX N-PAK AMS	4.3 4.5 100	SC SL SL	0.134 1.13 2.5	lb ai/a ae/a % v/v	4 32 2.5	fl oz/a fl oz/a % v/v	V2 V2 V2	B B B		98 a	98 a	98 a	98 a
11	CINCH ROUNDUP POWERMAX N-PAK AMS	7.64 4.5 100	SC SL SL	1.24 1.13 2.5	lb ai/a ae/a % v/v	1.3 32 2.5	pt/a fl oz/a % v/v	V2 V2 V2	B B B		97 a	96 b	96 b	96 b

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Pest Code	AMAPA	AMAPA	AMAPA	AMAPA	AMAPA			
Crop Code								
Rating Date	8-3-15	8-19-15	9-3-15	10-3-15	10-26-15			
Rating Type	Control	Control	Control	Control	Control			
Rating Unit	Percent	Percent	Percent	Percent	Percent			
Rating Timing	-1 DA-B+C	15 DA-B+C	30 DA-B+C	60 DA-B+C	83 DA-B+C			
Trt-Eval Interval	15 DA-A	31 DA-A	46 DA-A	76 DA-A	99 DA-A			
Trt. Treatment No. Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Unit	Appl Stage	Code
12 NONTREATED								
	0	0	0	0	0			
LSD P=.05	2.3	2.2	2.0	2.0	2.0			
Standard Deviation	1.6	1.5	1.4	1.4	1.4			
CV	1.61	1.54	1.41	1.39	1.39			
Replicate F	1.582	1.829	1.716	1.592	1.592			
Replicate Prob(F)	0.2250	0.1667	0.1883	0.2153	0.2153			
Treatment F	3.576	0.963	2.677	2.830	2.830			
Treatment Prob(F)	0.0117	0.4914	0.0239	0.0183	0.0183			

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Pest Code		IPOHE	IPOHE	IPOHE	IPOHE	IPOHE		
Crop Code								
Rating Date		8-3-15	8-19-15	9-3-15	10-3-15	10-26-15		
Rating Type		Control	Control	Control	Control	Control		
Rating Unit		Percent	Percent	Percent	Percent	Percent		
Rating Timing		-1 DA-B+C	15 DA-B+C	30 DA-B+C	60 DA-B+C	83 DA-B+C		
Trt-Eval Interval		15 DA-A	31 DA-A	46 DA-A	76 DA-A	99 DA-A		
Trt. Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code
12 NONTREATED								
LSD P=.05		6.1	4.6	4.7	4.7	4.7		
Standard Deviation		4.1	3.2	3.2	3.2	3.2		
CV		4.37	3.28	3.33	3.33	3.33		
Replicate F		0.596	0.761	0.830	0.830	0.830		
Replicate Prob(F)		0.6250	0.5260	0.4893	0.4893	0.4893		
Treatment F		7.081	5.249	3.999	3.999	3.999		
Treatment Prob(F)		0.0003	0.0004	0.0026	0.0026	0.0026		

Authority Overlap.

Trial ID: 15-9B-N160 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: FMC (Authority overlap).
2. Ratings:
CI at 15 and 30 DA-A; CI 0, 15, and 30 DA-B+C.
WC at 15 and 30 DA-A; WC 0, 15, 30, 60, and 90 DA-B+C.
Rate before spray applications B+C.
Rate DA-B and DA-C on different dates but record in the same column.
3. Yield.
4. EPOST is also 2-4 inch weeds.
5. Photos.
6. Rainfall following the PRE application was 0.35 inch over 2 days beginning 12 hours later.
Rainfall following the V2 application was 2.25 inch over 1 day beginning 20 hours later.
Rainfall following the EPOST application was 2.25 inch over 1 day beginning 20 hours later.
7. Ratings at 90 DA-B+C were not possible due to harvest, rated at 83 DA-B+C instead.
8. Harvested 10-26-15, (2) 30 inch rows by 22 ft.