

Postemergence Weed Control in Popcorn with Revulin Q.

Trial ID: 15-24B-E60 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: 7-26-15</p>	Trial Location
<p>City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221</p>	

Objectives:
Evaluate Revulin Q for crop response and weed efficacy in popcorn, especially looking at various tank-mix partners with Revulin Q.

<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: ZEAME Zea mays everta Popcorn Variety: Robust 997F1 BBCH Scale: BCOR</p> <p>Planting Rate, Unit: 26000 S/A Planting Date: 6-12-15 Depth, Unit: 1.5 IN Planting Method: SEEDED Row Spacing, Unit: 30 IN</p>	Crop Description
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<p>Pest 1 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. Common Name: morningglory, ivyleaf</p> <p>Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common</p> <p>Pest 3 Type: W Code: ABUTH Abutilon theophrasti Medik. Common Name: velvetleaf</p> <p>Pest 4 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant</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>GLXMA</td> <td>2014</td> </tr> </tbody> </table>		No.	Previous Crop	Year	1.	GLXMA	2014
No.	Previous Crop	Year					
1.	GLXMA	2014					

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

<p>Description Name: 24B_2013 % OM: 3 Texture: SIL silt loam pH: 6.5 Soil Name: Bethalto CEC: 12</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>56</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>297</td> <td>lb/A</td> </tr> </tbody> </table>		Element	Quantity	Unit	P1	56	lb/A	K	297	lb/A
Element	Quantity	Unit								
P1	56	lb/A								
K	297	lb/A								

<p>Overall Moisture Conditions: ABONOR Closest Weather Station: ICN - Belleville IL</p>	<p style="text-align: center;">Moisture and Weather Conditions</p> <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.	5-27-15					7	DAY	55	84	F
2.	5-29-15	2.15	IN	RAIN	rain	2	DAY			
3.	6-3-15					7	DAY	53	89	F
4.	6-5-15	0.17	IN	RAIN	rain	1	DAY			
5.	6-8-15	0.66	IN	RAIN	rain	1	DAY			
6.	6-10-15					7	DAY	64	91	F
7.	6-14-15	0.16	IN	RAIN	rain	1	DAY			
8.	6-15-15	0.11	IN	RAIN	rain	1	DAY			
9.	6-16-15	2.25	IN	RAIN	rain	1	DAY			
10.	6-17-15					7	DAY	69	91	F
11.	6-17-15	0.09	IN	RAIN	rain	1	DAY			
12.	6-18-15	0.14	IN	RAIN	rain	1	DAY			
13.	6-19-15	3.29	IN	RAIN	rain	1	DAY			
14.	6-20-15	0.2	IN	RAIN	rain	2	DAY			
15.	6-24-15					7	DAY	62	93	F
16.	6-25-15	1.66	IN	RAIN	rain	2	DAY			
17.	6-28-15	0.6	IN	RAIN	rain	2	DAY			
18.	7-1-15					7	DAY	63	88	F
19.	7-1-15	0.64	IN	RAIN	rain	2	DAY			
20.	7-7-15	1.33	IN	RAIN	rain	2	DAY			
21.	7-8-15					7	DAY	59	97	F
22.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
23.	7-15-15					7	DAY	69	93	F
24.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
25.	7-22-15					7	DAY	65	95	F
26.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
27.	7-29-15					7	DAY	65	93	F

Application Description

	A	B
Application Date:	6-12-15	6-28-15
Appl. Start Time:	13:30	11:00
Appl. Stop Time:	14:00	11:30
Application Method:	Spray	Spray
Application Timing:	PRE	V3-V4
Application Placement:	BROSOI	BROFOL
Applied By:	EJM	RFK
Air Temperature, Unit:	91 F	80 F
% Relative Humidity:	94	60
Wind Velocity, Unit:	10 MPH	1 MPH
Wind Direction:	W	SW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	75 F	75 F
Soil Moisture:	NORMAL	ABONOR
% Cloud Cover:	50	25
Next Moisture Occurred On:	6-14-15	6-28-15
Time to Next Moisture, Unit:	2 DAY	10 HR

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Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAME	ZEAME
Stage Scale Used:	DESC	DESC
Stage Majority, Percent:	NA	V4
Stage Minimum, Percent:		V4
Stage Maximum, Percent:		V4
Height, Unit:		6 IN
Height Minimum, Maximum:		6 6

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	6
Stage Minimum, Percent:		2
Stage Maximum, Percent:		8
Height, Unit:		2 IN
Height Minimum, Maximum:		1 3
Density, Unit:		0.1 FT2
Pest 2 Code, Type, Scale:	AMATA W	AMATA W
Stage Majority, Percent:	NA	4
Stage Minimum, Percent:		4
Stage Maximum, Percent:		8
Height, Unit:		1 IN
Height Minimum, Maximum:		0.25 1
Density, Unit:		0.1 FT2
Pest 3 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	4
Stage Minimum, Percent:		2
Stage Maximum, Percent:		6
Height, Unit:		1 IN
Height Minimum, Maximum:		1 2
Density, Unit:		0.01 FT2
Pest 4 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	6
Stage Minimum, Percent:		4
Stage Maximum, Percent:		8
Height, Unit:		3 IN
Height Minimum, Maximum:		1 4
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
Incorporation Equip.:	NA	NA
Spray Volume, Unit:	15 GPA	15 GPA

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Pest Code				ZEAME	ZEAME	ZEAME	ZEAME						
Crop Code				6-28-15	7-5-15	7-12-15	7-26-15						
Rating Date				Injury	Injury	Injury	Injury						
Rating Type				Percent	Percent	Percent	Percent						
Rating Unit				16 DA-A	7 DA-B	14 DA-B	28 DA-B						
Rating Timing				0 DA-B									
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B		0 a	0 a	0 a
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
2	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B		0 a	0 a	0 a
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
3	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	0 a	0 a	0 a	0 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
4	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	0 a	0 a	0 a	0 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
5	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	0 a	0 a	0 a	0 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	DISTINCT	70	WG	0.175	lb ai/a	4	oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
6	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	0 a	0 a	0 a	0 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
7	CINCH ATZ	5.5	SC	2.75	lb ai/a	2	qt/a	PRE	A	0 a	0 a	0 a	0 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
8	CINCH ATZ	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	CINCH ATZ	5.5	SC	1.38	lb ai/a	1	qt/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
9	CINCH ATZ	5.5	SC	2.75	lb ai/a	2	qt/a	PRE	A	0 a	0 a	0 a	0 a
	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-V4	B				
	MSO (MSO ULTRA)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B				
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B				
10	NONTREATED									0	0	0	0
LSD P=.05									
Standard Deviation										0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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

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

Could not calculate LSD (% mean diff) for columns 5,10,15,20,6,16,21,7,12,17,22,13,18,23,9,19,24 because error mean square = 0.

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Pest Code				AMATA	AMATA	AMATA	AMATA						
Crop Code				6-28-15	7-5-15	7-12-15	7-26-15						
Rating Date				Control	Control	Control	Control						
Rating Type				Percent	Percent	Percent	Percent						
Rating Unit				16 DA-A	7 DA-B	14 DA-B	28 DA-B						
Rating Timing				0 DA-B									
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B		99 a	99 a	99 a
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
2	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B		99 a	99 a	99 a
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
3	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	99 a	99 a	99 a	99 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
4	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	99 a	99 a	99 a	99 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
5	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	99 a	99 a	99 a	99 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	DISTINCT	70	WG	0.175	lb ai/a	4	oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
6	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A	99 a	99 a	99 a	99 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B				
	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
7	CINCH ATZ	5.5	SC	2.75	lb ai/a	2	qt/a	PRE	A	99 a	99 a	99 a	99 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
8	CINCH ATZ	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B				
	CINCH ATZ	5.5	SC	1.38	lb ai/a	1	qt/a	V3-V4	B				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
9	CINCH ATZ	5.5	SC	2.75	lb ai/a	2	qt/a	PRE	A	99 a	99 a	99 a	99 a
	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-V4	B				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	V3-V4	B				
	AMS	100	SG	1.6	% w/w	2	lb/a	V3-V4	B				
10	NONTREATED									0	0	0	0
LSD P=.05									
Standard Deviation										0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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Pest Code				ABUTH	ABUTH	ABUTH	ABUTH		
Crop Code				6-28-15	7-5-15	7-12-15	7-26-15		
Rating Date				Control	Control	Control	Control		
Rating Type				Percent	Percent	Percent	Percent		
Rating Unit				16 DA-A	7 DA-B	14 DA-B	28 DA-B		
Rating Timing				0 DA-B					
Trt-Eval Interval									
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code
1	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
2	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
3	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
4	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
5	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B
	DISTINCT	70	WG	0.175	lb ai/a	4	oz/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
6	CINCH	7.64	SC	0.955	lb ai/a	1	pt/a	PRE	A
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V3-V4	B
	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
7	CINCH ATZ	5.5	SC	2.75	lb ai/a	2	qt/a	PRE	A
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
8	CINCH ATZ	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A
	REVULIN Q	51.2	WG	0.109	lb ai/a	3.4	oz/a	V3-V4	B
	CINCH ATZ	5.5	SC	1.38	lb ai/a	1	qt/a	V3-V4	B
	COC (PRIME OIL)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
9	CINCH ATZ	5.5	SC	2.75	lb ai/a	2	qt/a	PRE	A
	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-V4	B
	MSO (MSO ULTRA)	100	SL	1 %	v/v	1 %	v/v	V3-V4	B
	AMS	100	SG	1.6 %	w/w	2	lb/a	V3-V4	B
10	NONTREATED								
LSD P=.05				2.1					
Standard Deviation				1.2	0.0	0.0	0.0	0.0	0.0
CV				2.87	0.0	0.0	0.0	0.0	0.0
Replicate F				4.385	0.000	0.000	0.000	0.000	
Replicate Prob(F)				0.0372	1.0000	1.0000	1.0000	1.0000	
Treatment F				5647.528	0.000	0.000	0.000	0.000	
Treatment Prob(F)				0.0001	1.0000	1.0000	1.0000	1.0000	

Postemergence Weed Control in Popcorn with Revulin Q.

Trial ID: 15-24B-E60 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code		AMBTR	AMBTR	AMBTR	AMBTR						
Crop Code		6-28-15	7-5-15	7-12-15	7-26-15						
Rating Date		Control	Control	Control	Control						
Rating Type		Percent	Percent	Percent	Percent						
Rating Unit		16 DA-A	7 DA-B	14 DA-B	28 DA-B						
Rating Timing		0 DA-B	7 DA-B	14 DA-B	28 DA-B						
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Rate	Other Rate	Growth Unit	Appl Code					
1	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B		93 a	99 a	99 a	
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
2	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B		99 a	99 a	99 a	
	AATREX 4L	4 SC	0.5 lb ai/a	1 pt/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
3	CINCH	7.64 SC	0.955 lb ai/a	1 pt/a	PRE	A	0 b	96 a	99 a	99 a	
	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
4	CINCH	7.64 SC	0.955 lb ai/a	1 pt/a	PRE	A	0 b	99 a	99 a	99 a	
	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B					
	AATREX 4L	4 SC	0.5 lb ai/a	1 pt/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
5	CINCH	7.64 SC	0.955 lb ai/a	1 pt/a	PRE	A	0 b	99 a	99 a	99 a	
	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B					
	AATREX 4L	4 SC	0.5 lb ai/a	1 pt/a	V3-V4	B					
	DISTINCT	70 WG	0.175 lb ai/a	4 oz/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
6	CINCH	7.64 SC	0.955 lb ai/a	1 pt/a	PRE	A	0 b	99 a	99 a	99 a	
	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B					
	AATREX 4L	4 SC	0.5 lb ai/a	1 pt/a	V3-V4	B					
	IMPACT	2.8 SC	0.0164 lb ai/a	0.75 fl oz/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
7	CINCH ATZ	5.5 SC	2.75 lb ai/a	2 qt/a	PRE	A	99 a	99 a	99 a	99 a	
	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
8	CINCH ATZ	5.5 SC	2.06 lb ai/a	1.5 qt/a	PRE	A	99 a	99 a	99 a	99 a	
	REVULIN Q	51.2 WG	0.109 lb ai/a	3.4 oz/a	V3-V4	B					
	CINCH ATZ	5.5 SC	1.38 lb ai/a	1 qt/a	V3-V4	B					
	COC (PRIME OIL)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
9	CINCH ATZ	5.5 SC	2.75 lb ai/a	2 qt/a	PRE	A	99 a	99 a	99 a	99 a	
	LAUDIS	3.5 SC	0.082 lb ai/a	3 fl oz/a	V3-V4	B					
	MSO (MSO ULTRA)	100 SL	1 % v/v	1 % v/v	V3-V4	B					
	AMS	100 SG	1.6 % w/w	2 lb/a	V3-V4	B					
10	NONTREATED							0	0	0	0
LSD P=.05							.	4.1	.	.	
Standard Deviation							0.0	2.4	0.0	0.0	
CV							0.0	2.42	0.0	0.0	
Replicate F							0.000	1.600	0.000	0.000	
Replicate Prob(F)							1.0000	0.2326	1.0000	1.0000	
Treatment F							0.000	2.400	0.000	0.000	
Treatment Prob(F)							1.0000	0.0648	1.0000	1.0000	

Postemergence Weed Control in Popcorn with Revulin Q.

Trial ID: 15-24B-E60 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: DuPont (US013/15/01).
2. Ratings:
CI at 0, 7, 14, and 28 DA-B.
WC at 0, 14 and 28 DA-B.
Rate before spray application B.
3. Yield not requested.
4. Application B (V3-V4) is based on corn stage but also target 2 to 4 inch weeds, corn cannot exceed 20 inch or greater than V5.
5. Rainfall following the PRE application was 2.52 inch over 3 days beginning 2 days later.
Rainfall following the V3-V4 application was 0.60 inch over 2 days beginning 10 hours later.
6. ZEAME = Popcorn.
7. Not harvested.