

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

<p>Trial Status: F one-year/final Initiation Date: 5-5-15 Completion Date: 9-30-15</p> <p>City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221</p>	<p>Trial Location</p>
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<p>Objectives: Demonstrate the weed control performance of BCS herbicide products and programs which include Corvus, Balance Flexx, Laudis, Capreno, Liberty and the newly introduced DiFlexx in field corn production.</p>

<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>Contacts Title: Researcher/Farm Manager Phone No.: 618-566-4761 E-mail: rkrausz@siu.edu</p>
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<p>Crop 1: ZEAMD Zea mays indentata Dent corn Variety: DKC 63-33 BBCH Scale: BCOR Description: SS RIB</p> <p>Planting Rate, Unit: 30000 S/A Depth, Unit: 1.5 IN Row Spacing, Unit: 30 IN</p>	<p>Crop Description Planting Date: 5-5-15 Planting Method: SEEDED</p>
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<p>Pest Description</p>
<p>Pest 1 Type: W Code: SETFA Setaria faberi Herrm. Common Name: foxtail, giant</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: ABUTH Abutilon theophrasti Medik. Common Name: velvetleaf</p>

<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: 4 Untreated Arrangement: INCLUDED single control randomized in each block</p>	<p>Site and Design 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 style="text-align: center;">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					

<p>Maintenance</p>				
<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 style="text-align: center;">1.</td> <td>N 150 LB/A, P2O5 50 LB/A, K2O 150 LB/A</td> </tr> </tbody> </table>	No.	Maintenance Product Name	1.	N 150 LB/A, P2O5 50 LB/A, K2O 150 LB/A
No.	Maintenance Product Name			
1.	N 150 LB/A, P2O5 50 LB/A, K2O 150 LB/A			

<p>Description Name: 01_2013 % OM: 2.5 Texture: SIL silt loam pH: 6 Soil Name: Winfield CEC: 6</p>	<p>Soil Description</p>									
<p>Additional Measured Elements</p>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Element</th> <th style="width: 45%;">Quantity</th> <th style="width: 40%;">Unit</th> </tr> </thead> <tbody> <tr> <td>P1</td> <td>58</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>286</td> <td>lb/A</td> </tr> </tbody> </table>		Element	Quantity	Unit	P1	58	lb/A	K	286	lb/A
Element	Quantity	Unit								
P1	58	lb/A								
K	286	lb/A								

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Overall Moisture Conditions: ABONOR						Moisture and Weather Conditions				
Closest Weather Station: ICN - Belleville IL						Distance, Unit: 0.5 MI				
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.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
40.	7-15-15					7	DAY	69	93	F
41.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
42.	7-22-15					7	DAY	65	95	F
43.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
44.	7-29-15					7	DAY	65	93	F
45.	8-5-15					7	DAY	64	88	F
46.	8-5-15	2.25	IN	RAIN	rain	1	DAY			
47.	8-9-15	0.47	IN	RAIN	rain	1	DAY			
48.	8-12-15					7	DAY	63	89	F
49.	8-18-15	2.23	IN	RAIN	rain	2	DAY			
50.	8-19-15					7	DAY	52	82	F
51.	8-22-15	0.18	IN	RAIN	rain	1	DAY			
52.	8-26-15					7	DAY	54	91	F

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53.	9-2-15					7	DAY	68	94	F
54.	9-8-15	1.93	IN	RAIN	rain	2	DAY			
55.	9-9-15					7	DAY	47	83	F
56.	9-11-15	0.4	IN	RAIN	rain	1	DAY			
57.	9-16-15					7	DAY	51	90	F
58.	9-19-15	0.14	IN	RAIN	rain	1	DAY			
59.	9-23-15					7	DAY	54	85	F
60.	9-28-15	0.13	IN	RAIN	rain	1	DAY			

Application Description

	A	B	C
Application Date:	5-7-15	5-21-15	5-29-15
Appl. Start Time:	7:40	14:30	7:30
Appl. Stop Time:	8:00	15:00	8:00
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V2	V4
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	LXF	RFK	RFK
Air Temperature, Unit:	73 F	61 F	74 F
% Relative Humidity:	59	52	90
Wind Velocity, Unit:	4 MPH	1 MPH	1 MPH
Wind Direction:	S	NW	SE
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	63 F	62 F	70 F
Soil Moisture:	NORMAL	ABONOR	ABONOR
% Cloud Cover:	15	25	100
Next Moisture Occurred On:	5-8-15	5-24-15	5-29-15
Time to Next Moisture, Unit:	25 HR	3 DAY	6 HR

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMD	ZEAMD	ZEAMD
Stage Scale Used:	DESC	DESC	DESC
Stage Majority, Percent:	NA	V2	V4
Stage Minimum, Percent:		V2	V4
Stage Maximum, Percent:		V2	V4
Height, Unit:		4 IN	8 IN
Height Minimum, Maximum:		3 4	6 8

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Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	NA	2	NA
Stage Minimum, Percent:		COTY	
Stage Maximum, Percent:		2	
Height, Unit:		1 IN	
Height Minimum, Maximum:		0.25 1	
Density, Unit:		0.1 FT2	
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	6	2
Stage Minimum, Percent:		5	1
Stage Maximum, Percent:		6	2
Height, Unit:		2 IN	0.5 IN
Height Minimum, Maximum:		1 2	0.25 0.5
Density, Unit:		3 FT2	0.01 FT2
Pest 3 Code, Type, Scale:	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	4	NA
Stage Minimum, Percent:		2	
Stage Maximum, Percent:		4	
Height, Unit:		0.5 IN	
Height Minimum, Maximum:		0.25 0.5	
Density, Unit:		1 FT2	
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	4	2
Stage Minimum, Percent:		2	1
Stage Maximum, Percent:		4	2
Height, Unit:		1 IN	0.5 IN
Height Minimum, Maximum:		0.25 2	0.25 0.5
Density, Unit:		3 FT2	0.001 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	ZEAMD 9-30-15 Moisture Percent	ZEAMD 9-30-15 Test wt. lb/bu	ZEAMD 9-30-15 Yield bu/A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Stage	Appl Code			
1	NONTREATED								3 e			
2	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	19.1 a	56.2 a	148 abc
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A			
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C			
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C			
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C			
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C			
3	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	19.6 a	56.0 a	156 ab
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A			
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C			
	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V4	C			
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C			
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C			
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C			
4	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	19.0 a	56.2 a	134 a-d
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C			
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C			
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C			
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C			
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C			
5	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	19.0 a	56.3 a	146 abc
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C			
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C			
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C			
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C			
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C			
6	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	19.2 a	56.2 a	164 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C			
	LAUDIS FLEXX	1.53	SC	0.383	lb ai/a	32	fl oz/a	V4	C			
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C			
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	V4	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C			
7	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	19.5 a	56.0 a	144 a-d
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A			
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C			
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C			
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C			
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C			

Means followed by same letter do not significantly differ (P=0.05, 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

Could not calculate LSD (% mean diff) for columns 10,20,25,11,16,21,26,13,18,23,28,14,19 because error mean square = 0.

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Pest Code							ZEAMD	ZEAMD	ZEAMD		
Crop Code							9-30-15	9-30-15	9-30-15		
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	Other Rate	Other Rate	Growth Stage	Appl Code			
8	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		V2	B	18.5 a	56.4 a	108 d
	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a		V2	B			
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a		V2	B			
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a		V2	B			
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v		V2	B			
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V2	B			
9	CORVUS	2.63	SC	0.0514 lb ai/a	2.5 fl oz/a		PRE	A	18.7 a	56.3 a	145 a-d
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a		PRE	A			
	ROUNDUP POWERMAX	4.5	SL	0.56 lb ae/a	16 fl oz/a		V2	B			
	CORVUS	2.63	SC	0.0514 lb ai/a	2.5 fl oz/a		V2	B			
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a		V2	B			
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a		V2	B			
10	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a		V2	B	18.8 a	56.3 a	153 abc
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a		V2	B			
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a		V2	B			
11	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a		V2	B	18.9 a	56.2 a	124 bcd
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a		V2	B			
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a		V2	B			
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a		V2	B			
12	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a		V2	B	18.6 a	56.4 a	119 cd
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a		V2	B			
	ZIDUA	85	WG	0.08 lb ai/a	1.5 oz/a		V2	B			
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a		V2	B			
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a		V2	B			
13	SURESTART	4.25	SE	1.06 lb ai/a	2 pt/a		V2	B	19.2 a	56.2 a	146 abc
	DURANGO DMA	4	SL	0.69 lb ae/a	22 fl oz/a		V2	B			
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V2	B			
14	ACURON	3.44	CS	1.72 lb ai/a	2 qt/a		PRE	A	18.7 a	56.4 a	128 a-d
15	HALEX GT	4.389	CS	1.65 lb ai/a	3 pt/a		V2	B	18.6 a	56.4 a	139 a-d
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a		V2	B			
	NIS (ACTIVATOR 90)	100	SL	0.25 % v/v	0.25 % v/v		V2	B			
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		V2	B			
LSD P=.05							0.91	0.40	36.6		
Standard Deviation							0.63	0.28	25.5		
CV							3.34	0.5	19.54		
Replicate F							4.399	4.499	7.114		
Replicate Prob(F)							0.0104	0.0094	0.0007		
Treatment F							1.082	0.905	8.978		
Treatment Prob(F)							0.4067	0.5572	0.0001		

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Pest Code							ZEAMD	ZEAMD	ZEAMD	ZEAMD			
Crop Code							5-28-15	6-4-15	6-11-15				
Rating Date							Injury	Injury	Injury	Injury			
Rating Type							Percent	Percent	Percent	Percent			
Rating Unit							14 DAE	7 DA-C	28 DAE	28 DA-C			
Rating Timing							7 DA-B	14 DA-B	14 DA-C	28 DA-B			
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	CORVUS	2.63	SC	0.082	lb ai/a	4 fl oz/a		PRE	A	0 c	5 b	0 a	0 a
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29 fl oz/a		V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8 fl oz/a		V4	C				
	AATREX 4L	4	SC		0.5 lb ai/a	1 pt/a		V4	C				
	MSO (MSO ULTRA)	100	SL		0.5 % v/v	0.5 % v/v		V4	C				
	N-PAK AMS	100	SL		5 % v/v	5 % v/v		V4	C				
3	CORVUS	2.63	SC	0.082	lb ai/a	4 fl oz/a		PRE	A	0 c	5 b	0 a	0 a
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29 fl oz/a		V4	C				
	LAUDIS	3.5	SC	0.0547	lb ai/a	2 fl oz/a		V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8 fl oz/a		V4	C				
	AATREX 4L	4	SC		0.5 lb ai/a	1 pt/a		V4	C				
	MSO (MSO ULTRA)	100	SL		0.5 % v/v	0.5 % v/v		V4	C				
	N-PAK AMS	100	SL		5 % v/v	5 % v/v		V4	C				
4	CORVUS	2.63	SC	0.082	lb ai/a	4 fl oz/a		PRE	A	0 c	25 a	0 a	0 a
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32 fl oz/a		V4	C				
	CAPRENO	3.45	SC	0.081	lb ai/a	3 fl oz/a		V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8 fl oz/a		V4	C				
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		V4	C				
	MSO (MSO ULTRA)	100	SL		0.5 % v/v	0.5 % v/v		V4	C				
	N-PAK AMS	100	SL		5 % v/v	5 % v/v		V4	C				
5	CORVUS	2.63	SC	0.082	lb ai/a	4 fl oz/a		PRE	A	0 c	19 a	0 a	0 a
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32 fl oz/a		V4	C				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29 fl oz/a		V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8 fl oz/a		V4	C				
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		V4	C				
	MSO (MSO ULTRA)	100	SL		0.5 % v/v	0.5 % v/v		V4	C				
	N-PAK AMS	100	SL		5 % v/v	5 % v/v		V4	C				
6	CORVUS	2.63	SC	0.082	lb ai/a	4 fl oz/a		PRE	A	0 c	6 b	0 a	0 a
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32 fl oz/a		V4	C				
	LAUDIS FLEXX	1.53	SC	0.383	lb ai/a	32 fl oz/a		V4	C				
	AATREX 4L	4	SC		0.5 lb ai/a	1 pt/a		V4	C				
	MSO (MSO ULTRA)	100	SL		1 % v/v	1 % v/v		V4	C				
	N-PAK AMS	100	SL		5 % v/v	5 % v/v		V4	C				
7	CORVUS	2.63	SC	0.082	lb ai/a	4 fl oz/a		PRE	A	0 c	25 a	0 a	0 a
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29 fl oz/a		V4	C				
	CAPRENO	3.45	SC	0.081	lb ai/a	3 fl oz/a		V4	C				
	AATREX 4L	4	SC		1 lb ai/a	2 pt/a		V4	C				
	MSO (MSO ULTRA)	100	SL		0.5 % v/v	0.5 % v/v		V4	C				
	N-PAK AMS	100	SL		5 % v/v	5 % v/v		V4	C				

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	ZEAMD 5-28-15 Injury Percent 14 DAE 7 DA-B	ZEAMD 6-4-15 Injury Percent 7 DA-C 14 DA-B	ZEAMD 6-11-15 Injury Percent 28 DAE 14 DA-C	ZEAMD Injury Percent 28 DA-C 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
8	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V2	B	0 c	0 b	0 a	0 a
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
9	CORVUS	2.63	SC	0.0514	lb ai/a	2.5	fl oz/a	PRE	A	0 c	0 b	0 a	0 a
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	V2	B				
	CORVUS	2.63	SC	0.0514	lb ai/a	2.5	fl oz/a	V2	B				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V2	B				
10	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	5 b	0 b	0 a	0 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B				
11	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	5 b	0 b	0 a	0 a
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B				
12	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	10 a	0 b	0 a	0 a
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	ZIDUA	85	WG	0.08	lb ai/a	1.5	oz/a	V2	B				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B				
13	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	V2	B	0 c	0 b	0 a	0 a
	DURANGO DMA	4	SL	0.69	lb ae/a	22	fl oz/a	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
14	ACURON	3.44	CS	1.72	lb ai/a	2	qt/a	PRE	A	0 c	0 b	0 a	0 a
15	HALEX GT	4.389	CS	1.65	lb ai/a	3	pt/a	V2	B	0 c	0 b	0 a	0 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
LSD P=.05								6.5					
Standard Deviation							0.0	4.6	0.0	0.0			
CV							0.0	75.18	0.0	0.0			
Replicate F							0.000	0.400	0.000	0.000			
Replicate Prob(F)							1.0000	0.7538	1.0000	1.0000			
Treatment F							0.000	17.347	0.000	0.000			
Treatment Prob(F)							1.0000	0.0001	1.0000	1.0000			

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	SETFA	SETFA	SETFA	SETFA			
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
3	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
4	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C				
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
5	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
6	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C				
	LAUDIS FLEXX	1.53	SC	0.383	lb ai/a	32	fl oz/a	V4	C				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
7	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	SETFA	SETFA	SETFA	SETFA				
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Rate	Other Rate	Other Rate	Growth Stage	Appl Code					
8	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a			V2	B					
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v			V2	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v			V2	B					
9	CORVUS	2.63	SC	0.0514 lb ai/a	2.5 fl oz/a			PRE	A	99 a	99 a	99 a	99 a	
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a			PRE	A					
	ROUNDUP POWERMAX	4.5	SL	0.56 lb ae/a	16 fl oz/a			V2	B					
	CORVUS	2.63	SC	0.0514 lb ai/a	2.5 fl oz/a			V2	B					
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a			V2	B					
10	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a			V2	B					
11	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a			V2	B					
12	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	ZIDUA	85	WG	0.08 lb ai/a	1.5 oz/a			V2	B					
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a			V2	B					
13	SURESTART	4.25	SE	1.06 lb ai/a	2 pt/a			V2	B	99 a	99 a	99 a	99 a	
	DURANGO DMA	4	SL	0.69 lb ae/a	22 fl oz/a			V2	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v			V2	B					
14	ACURON	3.44	CS	1.72 lb ai/a	2 qt/a			PRE	A	99 a	99 a	99 a	99 a	
15	HALEX GT	4.389	CS	1.65 lb ai/a	3 pt/a			V2	B	99 a	99 a	99 a	99 a	
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	NIS (ACTIVATOR 90)	100	SL	0.25 % v/v	0.25 % v/v			V2	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v			V2	B					
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				

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	AMBTR			
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	95 cd	99 a	98 a	97 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
3	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	95 bcd	99 a	99 a	98 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
4	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	97 abc	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C				
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
5	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	93 d	99 a	98 a	97 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
6	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	97 abc	99 a	99 a	98 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C				
	LAUDIS FLEXX	1.53	SC	0.383	lb ai/a	32	fl oz/a	V4	C				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
7	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A	96 abc	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A				
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C				
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	AMBTR			
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
8	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V2	B	98 ab	99 a	99 a	99 a
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
9	CORVUS	2.63	SC	0.0514	lb ai/a	2.5	fl oz/a	PRE	A	97 abc	98 a	97 a	97 a
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	V2	B				
	CORVUS	2.63	SC	0.0514	lb ai/a	2.5	fl oz/a	V2	B				
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V2	B				
10	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	97 abc	99 a	98 a	98 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B				
11	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	98 a	99 a	99 a	99 a
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B				
12	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	98 a	99 a	98 a	98 a
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B				
	ZIDUA	85	WG	0.08	lb ai/a	1.5	oz/a	V2	B				
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B				
13	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	V2	B	98 ab	99 a	99 a	99 a
	DURANGO DMA	4	SL	0.69	lb ae/a	22	fl oz/a	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
14	ACURON	3.44	CS	1.72	lb ai/a	2	qt/a	PRE	A	96 abc	98 a	98 a	98 a
15	HALEX GT	4.389	CS	1.65	lb ai/a	3	pt/a	V2	B	97 abc	98 a	95 a	95 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B				
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
LSD P=.05										2.6	1.4	2.4	2.5
Standard Deviation										1.8	1.0	1.7	1.8
CV										1.9	0.97	1.73	1.8
Replicate F										1.287	0.847	4.011	2.826
Replicate Prob(F)										0.2923	0.4767	0.0140	0.0511
Treatment F										2.642	0.729	1.661	1.756
Treatment Prob(F)										0.0096	0.7238	0.1098	0.0870

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	AMATA			
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Rate	Other Rate	Other Rate	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53 lb ai/a	29 fl oz/a	V4	C						
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a	V4	C						
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a	V4	C						
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v	V4	C						
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V4	C						
3	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53 lb ai/a	29 fl oz/a	V4	C						
	LAUDIS	3.5	SC	0.0547 lb ai/a	2 fl oz/a	V4	C						
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a	V4	C						
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a	V4	C						
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v	V4	C						
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V4	C						
4	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	V4	C						
	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a	V4	C						
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a	V4	C						
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	V4	C						
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v	V4	C						
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V4	C						
5	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	V4	C						
	LIBERTY 280	2.34	EC	0.53 lb ai/a	29 fl oz/a	V4	C						
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a	V4	C						
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	V4	C						
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v	V4	C						
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V4	C						
6	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	V4	C						
	LAUDIS FLEXX	1.53	SC	0.383 lb ai/a	32 fl oz/a	V4	C						
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a	V4	C						
	MSO (MSO ULTRA)	100	SL	1 % v/v	1 % v/v	V4	C						
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V4	C						
7	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a	PRE	A			99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	PRE	A						
	LIBERTY 280	2.34	EC	0.53 lb ai/a	29 fl oz/a	V4	C						
	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a	V4	C						
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a	V4	C						
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v	V4	C						
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	V4	C						

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	AMATA				
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Rate	Other Rate	Other Rate	Growth Stage	Appl Code					
8	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a			V2	B					
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	MSO (MSO ULTRA)	100	SL	0.5 % v/v	0.5 % v/v			V2	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v			V2	B					
9	CORVUS	2.63	SC	0.0514 lb ai/a	2.5 fl oz/a			PRE	A	99 a	99 a	99 a	99 a	
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a			PRE	A					
	ROUNDUP POWERMAX	4.5	SL	0.56 lb ae/a	16 fl oz/a			V2	B					
	CORVUS	2.63	SC	0.0514 lb ai/a	2.5 fl oz/a			V2	B					
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a			V2	B					
10	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a			V2	B					
11	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a			V2	B					
12	CORVUS	2.63	SC	0.082 lb ai/a	4 fl oz/a			V2	B	99 a	99 a	99 a	99 a	
	DIFLEXX	4	SC	0.25 lb ae/a	8 fl oz/a			V2	B					
	ZIDUA	85	WG	0.08 lb ai/a	1.5 oz/a			V2	B					
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	ROUNDUP POWERMAX	4.5	SL	0.28 lb ae/a	8 fl oz/a			V2	B					
13	SURESTART	4.25	SE	1.06 lb ai/a	2 pt/a			V2	B	99 a	99 a	99 a	99 a	
	DURANGO DMA	4	SL	0.69 lb ae/a	22 fl oz/a			V2	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v			V2	B					
14	ACURON	3.44	CS	1.72 lb ai/a	2 qt/a			PRE	A	99 a	99 a	99 a	99 a	
15	HALEX GT	4.389	CS	1.65 lb ai/a	3 pt/a			V2	B	99 a	99 a	99 a	99 a	
	AATREX 4L	4	SC	1 lb ai/a	2 pt/a			V2	B					
	NIS (ACTIVATOR 90)	100	SL	0.25 % v/v	0.25 % v/v			V2	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v			V2	B					
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				

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 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	ABUTH	ABUTH	ABUTH	ABUTH				
							5-28-15 Control Percent 14 DAE 7 DA-B	6-4-15 Control Percent 7 DA-C 14 DA-B	6-11-15 Control Percent 28 DAE 14 DA-C	Control Percent 28 DA-C 28 DA-B				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Unit	Rate	Other Rate	Other Unit	Growth Stage	Appl Code				
1	NONTREATED										0	0	0	0
2	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A		99 a	99 a	96 bc	96 bc
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A					
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C					
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C					
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C					
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C					
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C					
3	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A		99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A					
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C					
	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V4	C					
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C					
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C					
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C					
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C					
4	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A		99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C					
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C					
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C					
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C					
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C					
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C					
5	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A		99 a	99 a	95 c	95 c
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C					
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C					
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V4	C					
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C					
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C					
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C					
6	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A		99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V4	C					
	LAUDIS FLEXX	1.53	SC	0.383	lb ai/a	32	fl oz/a	V4	C					
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V4	C					
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	V4	C					
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C					
7	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	PRE	A		99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	PRE	A					
	LIBERTY 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	V4	C					
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V4	C					
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V4	C					
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V4	C					
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C					

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code							ABUTH	ABUTH	ABUTH	ABUTH		
Crop Code												
Rating Date							5-28-15	6-4-15	6-11-15			
Rating Type							Control	Control	Control	Control		
Rating Unit							Percent	Percent	Percent	Percent		
Rating Timing							14 DAE	7 DA-C	28 DAE	28 DA-C		
Trt-Eval Interval							14 DA-B	14 DA-B	14 DA-C	28 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
8	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	V2	B	99 a	99 a	
	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B			
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B			
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B			
	MSO (MSO ULTRA)	100	SL	0.5	% v/v	0.5	% v/v	V2	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B			
9	CORVUS	2.63	SC	0.0514	lb ai/a	2.5	fl oz/a	PRE	A	99 a	99 a	
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	V2	B			
	CORVUS	2.63	SC	0.0514	lb ai/a	2.5	fl oz/a	V2	B			
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B			
	AATREX 4L	4	SC	0.5	lb ai/a	1	pt/a	V2	B			
10	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	99 a	99 a	
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B			
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B			
11	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	99 a	99 a	
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B			
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B			
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B			
12	CORVUS	2.63	SC	0.082	lb ai/a	4	fl oz/a	V2	B	99 a	99 a	
	DIFLEXX	4	SC	0.25	lb ae/a	8	fl oz/a	V2	B			
	ZIDUA	85	WG	0.08	lb ai/a	1.5	oz/a	V2	B			
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B			
	ROUNDUP POWERMAX	4.5	SL	0.28	lb ae/a	8	fl oz/a	V2	B			
13	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	V2	B	99 a	99 a	
	DURANGO DMA	4	SL	0.69	lb ae/a	22	fl oz/a	V2	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B			
14	ACURON	3.44	CS	1.72	lb ai/a	2	qt/a	PRE	A	99 a	99 a	
15	HALEX GT	4.389	CS	1.65	lb ai/a	3	pt/a	V2	B	99 a	99 a	
	AATREX 4L	4	SC	1	lb ai/a	2	pt/a	V2	B			
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B			
LSD P=.05										2.8	2.8	
Standard Deviation							0.0	0.0			1.9	1.9
CV							0.0	0.0	1.97		1.97	1.97
Replicate F							0.000	0.000	2.347		2.347	2.347
Replicate Prob(F)							1.0000	1.0000	0.0876		0.0876	0.0876
Treatment F							0.000	0.000	2.227		2.227	2.227
Treatment Prob(F)							1.0000	1.0000	0.0270		0.0270	0.0270

Bayer Weed Control Programs in Corn.

Trial ID: 15-1-MW70 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: Bayer (HP15USABLD).
2. Ratings:
CI 14 and 28 DAE; and 7, 14, and 28 DA-B; and 7, 14, and 28 DA-C.
Note timing of peak injury and rate CI at peak injury if not at already scheduled rating.
WC 14 and 28 DAE (prior to C); and 7, 14, and 28 DA-B; and 7, 14, and 28 DA-C.
Rate PRE treatments before spray application C.
3. Yield.
4. Record percent ground cover of each weed species in each nontreated plot at each evaluation.
5. Applications B and C (V2 and V4) are based on corn stage but do not exceed 3 inch weeds.
6. Photos.
7. Rainfall following the PRE application was 4.09 inch over 4 days beginning 1 day later.
Rainfall following the V2 application was 3.63 inch over 7 days beginning 3 days later.
Rainfall following the V4 application was 2.15 inch over 2 days beginning 6 hours later.
8. DAE = Days after crop emergence.
Ratings on 5-28-15 at 14 DAE were also 7 days after application B (V2) and prior to application C (V4).
Ratings at 14 DA-B were made on 6-4-15, while ratings for 7 DA-C were made the next day on 6-5-15.
Ratings at 28 DAE were made on 6-11-15, while ratings for 14 DA-C were made the next day on 6-12-15.
Ratings at 28 DA-B and 28 DA-C were made on 6-18-15 and 6-26-15, respectively.
9. Percent ground cover in nontreated plots was;

Plot	14 DAE + 7 DA-B				14 DA-B + 7 DA-C				28 DAE + 14 DA-C			
	SETFA	AMBTR	AMATA	ABUTH	SETFA	AMBTR	AMATA	ABUTH	SETFA	AMBTR	AMATA	ABUTH
101	10	25	10	10	25	25	25	10	25	25	25	10
212	10	10	50	25	10	10	75	25	10	10	75	25
309	10	15	25	10	10	15	50	10	10	15	50	10
404	10	80	50	10	10	90	50	10	10	90	50	10

Plot	28 DA-B				28 DA-C			
	SETFA	AMBTR	AMATA	ABUTH	SETFA	AMBTR	AMATA	ABUTH
101	50	25	25	10	50	25	25	10
212	10	10	75	25	10	10	75	25
309	10	15	50	10	10	15	50	10
404	10	100	50	10	10	100	50	10

10. Harvested 9-30-15, (2) 30 inch rows by 24 ft.