

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Status: F one-year/final Initiation Date: 5-11-14 Completion Date: 10-8-14		Trial Location
City: Belleville	Country: USA	
State/Prov.: Illinois IL		
Postal Code: 62221		

Objectives: Evaluate Syngenta corn herbicide programs for weed control.

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 1: ZEAMD Zea mays indentata Dent corn Variety: DKC 63-33 BBCH Scale: BCOR Description: SS RIB Planting Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN Row Spacing, Unit: 30 IN	Crop Description Planting Date: 5-11-14 Planting Method: SEEDED
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Pest 1 Type: W Code: SETFA Setaria faberi Herrm. Common Name: foxtail, giant Pest 2 Type: W Code: CYPES Cyperus esculentus L. Common Name: nutsedge, yellow Pest 3 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common Pest 5 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. Common Name: morningglory, ivyleaf	Pest Description
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Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 25 FT Total Plot Length: 25 FT Replications: 4 Untreated Arrangement: INCLUDED single control randomized in each block	Site and Design Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB L Randomized Complete Block (RCB)
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No.	Previous Crop	Year
1.	GLXMA	2013

Maintenance <table border="1"> <thead> <tr> <th>No.</th> <th>Maintenance Product Name</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>N 150 LB/A, P2O5 50 LB/A, K2O 100 LB/A</td> </tr> </tbody> </table>	No.	Maintenance Product Name	1.	N 150 LB/A, P2O5 50 LB/A, K2O 100 LB/A
No.	Maintenance Product Name			
1.	N 150 LB/A, P2O5 50 LB/A, K2O 100 LB/A			

% OM: 2.6 Texture: SIL silt loam pH: 6.9 Soil Name: Pierron CEC: 7	Soil Description
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Element	Quantity	Unit
P1	77	lb/A
K	326	lb/A

Overall Moisture Conditions: NORMAL Closest Weather Station: ICN - Belleville IL	Moisture and Weather Conditions 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.	4-15-14					7	DAY	31	79	F
2.	4-21-14	0.17	IN	RAIN	rain	2	DAY			
3.	4-22-14					7	DAY	44	78	F
4.	4-24-14	2.24	IN	RAIN	rain	5	DAY			
5.	4-29-14	0.09	IN	RAIN	rain	2	DAY			
6.	4-29-14					7	DAY	41	87	F
7.	5-6-14					7	DAY	56	86	F
8.	5-8-14	0.13	IN	RAIN	rain	2	DAY			
9.	5-12-14	0.88	IN	RAIN	rain	4	DAY			
10.	5-13-14					7	DAY	37	76	F
11.	5-20-14					7	DAY	55	87	F
12.	5-21-14	0.06	IN	RAIN	rain	1	DAY			
13.	5-25-14	0.49	IN	RAIN	rain	2	DAY			
14.	5-27-14	0.08	IN	RAIN	rain	2	DAY			
15.	5-27-14					7	DAY	60	86	F
16.	5-31-14	0.14	IN	RAIN	rain	1	DAY			
17.	6-1-14	0.13	IN	RAIN	rain	1	DAY			
18.	6-3-14					7	DAY	59	90	F
19.	6-4-14	0.67	IN	RAIN	rain	1	DAY			
20.	6-7-14	0.6	IN	RAIN	rain	1	DAY			
21.	6-9-14	1.38	IN	RAIN	rain	2	DAY			
22.	6-10-14					7	DAY	51	90	F
23.	6-12-14	0.07	IN	RAIN	rain	1	DAY			
24.	6-15-14	0.02	IN	RAIN	rain	1	DAY			
25.	6-17-14					7	DAY	67	92	F
26.	6-20-14	2.09	IN	RAIN	rain	5	DAY			
27.	6-24-14					7	DAY	65	91	F
28.	6-27-14	0.11	IN	RAIN	rain	2	DAY			
29.	7-1-14	0.01	IN	RAIN	rain	1	DAY			
30.	7-1-14					7	DAY	55	90	F
31.	7-7-14	0.79	IN	RAIN	rain	2	DAY			
32.	7-8-14					7	DAY	59	89	F
33.	7-12-14	0.49	IN	RAIN	rain	3	DAY			
34.	7-15-14					7	DAY	54	85	F
35.	7-22-14					7	DAY	57	98	F
36.	7-25-14	0.02	IN	RAIN	rain	1	DAY			
37.	7-29-14					7	DAY	52	89	F
38.	8-1-14	0.04	IN	RAIN	rain	1	DAY			
39.	8-5-14	4.04	IN	RAIN	rain	4	DAY			
40.	8-5-14					7	DAY	66	88	F
41.	8-12-14					7	DAY	57	84	F
42.	8-15-14	1.21	IN	RAIN	rain	3	DAY			
43.	8-19-14					7	DAY	67	95	F
44.	8-20-14	0.11	IN	RAIN	rain	1	DAY			
45.	8-26-14					7	DAY	68	95	F
46.	8-27-14	1.56	IN	RAIN	rain	2	DAY			
47.	9-1-14	2.21	IN	RAIN	rain	2	DAY			
48.	9-2-14					7	DAY	54	93	F
49.	9-5-14	0.24	IN	RAIN	rain	1	DAY			
50.	9-9-14					7	DAY	45	85	F
51.	9-10-14	1.06	IN	RAIN	rain	1	DAY			
52.	9-16-14					7	DAY	46	86	F
53.	9-23-14					7	DAY	46	86	F
54.	9-30-14					7	DAY	37	87	F
55.	10-1-14	0.99	IN	RAIN	rain	3	DAY			
56.	10-6-14	0.31	IN	RAIN	rain	2	DAY			
57.	10-7-14					7	DAY	46	77	F
58.	10-9-14	1.44	IN	RAIN	rain	2	DAY			

Corn Herbicide Programs.

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Application Description

	A	B
Application Date:	5-13-14	6-5-14
Appl. Start Time:	14:00	9:30
Appl. Stop Time:	14:30	10 00
Application Method:	Spray	Spray
Application Timing:	PRE	2-4"W
Application Placement:	BROSOI	BROFOL
Applied By:	LXF	RJW
Air Temperature, Unit:	58 F	71 F
% Relative Humidity:	97	78
Wind Velocity, Unit:	4 MPH	5 MPH
Wind Direction:	W	E
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	67 F	73 F
Soil Moisture:	ABONOR	ABONOR
% Cloud Cover:	98	98
Next Moisture Occurred On:	5-13-14	6-7-14
Time to Next Moisture, Unit:	1 HR	2 DAY

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMD	ZEAMD
Stage Scale Used:	DESC	DESC
Stage Majority, Percent:	NA	V5
Stage Minimum, Percent:		V5
Stage Maximum, Percent:		V5
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	2
Stage Minimum, Percent:		1
Stage Maximum, Percent:		2
Height, Unit:		1.5 IN
Height Minimum, Maximum:		0.25 1.5
Density, Unit:		0.001 FT2
Pest 2 Code, Type, Scale:	CYPES W	CYPES W
Stage Majority, Percent:	NA	3
Stage Minimum, Percent:		2
Stage Maximum, Percent:		3
Height, Unit:		2 IN
Height Minimum, Maximum:		2 3
Density, Unit:		0.1 FT2
Pest 3 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	2
Stage Minimum, Percent:		1
Stage Maximum, Percent:		2
Height, Unit:		1 IN
Height Minimum, Maximum:		0.25 1
Density, Unit:		0.01 FT2
Pest 4 Code, Type, Scale:	AMATA W	AMATA W
Stage Majority, Percent:	NA	NA
Pest 5 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	NA

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	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD 10-8-14 Moisture Percent	ZEAMD 10-8-14 Test wt lb/bu	ZEAMD 10-8-14 Yield bu/A	ZEAMD 5-27-14 Injury Percent	ZEAMD 6-5-14 Injury Percent 23 DA-A	ZEAMD 6-19-14 Injury Percent	ZEAMD 7-3-14 Injury Percent	ZEAMD 7-31-14 Injury Percent
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl						
No.	Name	Conc	Type	Unit	Rate	Rate	Unit	Stage	Code					
1	NONTREATED									14.0 a	59.2 a	203 d	0	0
2	LEXAR EZ	3.7 SC		2.78 lb ai/a	3 qt/a	PRE	A			14.1 a	59.1 a	253 abc	0 a	0 a
3	LEXAR EZ PRINCEP 4L	3.7 SC 4 SC		2.78 lb ai/a 1 lb ai/a	3 qt/a 1 qt/a	PRE PRE	A A			14.0 a	59.1 a	265 a	0 a	0 a
4	LEXAR EZ HALEX GT AATREX 4L NIS (ACTIVATOR 90) N-PAK AMS	3.7 SC 4.389 CS 4 SC 100 SL 100 SL		1.39 lb ai/a 0.71 lb ai/a 1 lb ai/a 0.25 % v/v 2.5 % v/v	1.5 qt/a 1.3 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	PRE 2-4"W 2-4"W 2-4"W 2-4"W	A B B B B			14.2 a	59.1 a	254 abc	0 a	0 a
5	ACURON AATREX 4L	100 SL 4 SC		2.5 qt/a 0.75 lb ai/a	2.5 qt/a 1.5 pt/a	PRE PRE	A A			14.4 a	58.9 a	256 abc	0 a	0 a
6	ACURON HALEX GT AATREX 4L	100 SL 4.38 CS 4 SC		1.25 qt/a 1.97 lb ai/a 0.75 lb ai/a	1.25 qt/a 3.6 pt/a 1.5 pt/a	PRE 2-4"W 2-4"W	A B B			13.9 a	59.2 a	258 abc	0 a	0 a
7	ACURON ACURON	100 SL 100 SL		1.25 qt/a 1.25 qt/a	1.25 qt/a 1.25 qt/a	PRE 2-4"W	A B			14.0 a	59.2 a	251 abc	0 a	0 a
8	ACURON ACURON TOUCHDOWN TOTAL	100 SL 100 SL 4.17 SL		1.25 qt/a 1.25 qt/a 0.98 lb ae/a	1.25 qt/a 1.25 qt/a 30 fl oz/a	PRE 2-4"W 2-4"W	A B B			14.0 a	59.2 a	251 abc	0 a	0 a
9	CORVUS AATREX 4L	2.63 SC 4 SC		0.115 lb ai/a 1.5 lb ai/a	5.6 oz/a 1.5 qt/a	PRE PRE	A A			13.7 a	59.4 a	257 abc	0 a	0 a
10	CORVUS AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 SC 4 SC 4.5 SL 100 SL		0.115 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v	5.6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B			14.0 a	59.2 a	261 ab	0 a	0 a
11	ANTHEM ATZ AATREX 4L	4.5 SE 4 SC		1.13 lb ai/a 0.5 lb ai/a	2 pt/a 1 pt/a	PRE PRE	A A			14.1 a	59.2 a	253 abc	0 a	0 a
12	ANTHEM ATZ AATREX 4L ROUNDUP POWERMAX N-PAK AMS	4.5 SE 4 SC 4.5 SL 100 SL		1.13 lb ai/a 0.5 lb ai/a 1.13 lb ae/a 2.5 % v/v	2 pt/a 1 pt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B			14.0 a	59.2 a	260 ab	0 a	0 a
13	ZIDUA AATREX 4L	85 WG 4 SC		0.133 lb ai/a 1.5 lb ai/a	2.5 oz/a 1.5 qt/a	PRE PRE	A A			13.8 a	59.3 a	249 abc	0 a	0 a
14	ZIDUA AATREX 4L ROUNDUP POWERMAX N-PAK AMS	85 WG 4 SC 4.5 SL 100 SL		0.133 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v	2.5 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B			13.8 a	59.3 a	251 abc	0 a	0 a
15	INSTIGATE AATREX 4L	45.84 WG 4 SC		0.172 lb ai/a 1.5 lb ai/a	6 oz/a 1.5 qt/a	PRE PRE	A A			14.2 a	59.1 a	240 c	0 a	0 a
16	INSTIGATE AATREX 4L ABUNDIT EXTRA N-PAK AMS	45.84 WG 4 SC 3 SL 100 SL		0.172 lb ai/a 1.5 lb ai/a 0.75 lb ae/a 2.5 % v/v	6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B			14.1 a	59.1 a	262 ab	0 a	0 a
17	SURESTART II (GF-3005) AATREX 4L	4.16 SE 4 SC		1.3 lb ai/a 1 lb ai/a	2.5 pt/a 1 qt/a	PRE PRE	A A			14.0 a	59.2 a	254 abc	0 a	0 a

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

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

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							ZEAMD 10-8-14 Moisture Percent	ZEAMD 10-8-14 Test wt lb/bu	ZEAMD 10-8-14 Yield bu/A	ZEAMD 5-27-14 Injury Percent	ZEAMD 6-5-14 Injury Percent 23 DA-A	ZEAMD 6-19-14 Injury Percent	ZEAMD 7-3-14 Injury Percent	ZEAMD 7-31-14 Injury Percent
Trt Treatment No. Name														
Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code								
18 SURESTART II (GF-3005)	4.16 SE	1.3 lb ai/a	2.5 pt/a	2.5 pt/a	PRE A	A	14.1 a	59.0 a	259 abc	0 a	0 a	0 a	0 a	0 a
AATREX 4L	4 SC	1 lb ai/a	1 qt/a	1 qt/a	PRE A	A								
DURANGO DMA	4 SL	0.75 lb ae/a	1.5 pt/a	1.5 pt/a	2-4"W B	B								
N-PAK AMS	100 SL	2.5 % v/v	2.5 % v/v	2.5 % v/v	2-4"W B	B								
19 VERDICT	5.57 EC	0.65 lb ai/a	15 fl oz/a	15 fl oz/a	PRE A	A	14.0 a	59.2 a	256 abc	0 a	0 a	0 a	0 a	0 a
AATREX 4L	4 SC	1.5 lb ai/a	1.5 qt/a	1.5 qt/a	PRE A	A								
20 VERDICT	5.57 EC	0.65 lb ai/a	15 fl oz/a	15 fl oz/a	PRE A	A	13.6 a	59.4 a	246 bc	0 a	0 a	0 a	0 a	0 a
AATREX 4L	4 SC	1.5 lb ai/a	1.5 qt/a	1.5 qt/a	PRE A	A								
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	32 fl oz/a	2-4"W B	B								
N-PAK AMS	100 SL	2.5 % v/v	2.5 % v/v	2.5 % v/v	2-4"W B	B								
21 DEGREE XTRA	4.04 CS	3.03 lb ai/a	3 qt/a	3 qt/a	PRE A	A	13.9 a	59.2 a	266 a	0 a	0 a	0 a	0 a	0 a
AATREX 4L	4 SC	0.5 lb ai/a	1 pt/a	1 pt/a	PRE A	A								
22 DEGREE XTRA	4.04 CS	3.03 lb ai/a	3 qt/a	3 qt/a	PRE A	A	13.7 a	59.4 a	248 abc	0 a	0 a	0 a	0 a	0 a
AATREX 4L	4 SC	0.5 lb ai/a	1 pt/a	1 pt/a	PRE A	A								
ROUNDUP POWERMAX	4.5 SL	1.13 lb ae/a	32 fl oz/a	32 fl oz/a	2-4"W B	B								
N-PAK AMS	100 SL	2.5 % v/v	2.5 % v/v	2.5 % v/v	2-4"W B	B								
LSD (P=.05)							0.72	0.43	19.1	0.0	0.0	0.0	0.0	0.0
Standard Deviation							0.51	0.30	13.5	0.0	0.0	0.0	0.0	0.0
CV							3.63	0.51	5.35	0.0	0.0	0.0	0.0	0.0
Replicate F							1.827	2.428	6.514	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)							0.1513	0.0737	0.0007	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F							0.509	0.675	3.576	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)							0.9566	0.8411	0.0001	1.0000	1.0000	1.0000	1.0000	1.0000

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval									SETFA	SETFA	SETFA	SETFA	SETFA
									5-27-14 Control Percent	6-5-14 Control Percent	6-19-14 Control Percent	7-3-14 Control Percent	7-31-14 Control Percent
									14 DA-A	23 DA-A 0 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Unit Stage	Appl Code					
1	NONTREATED								0	0	0	0	0
2	LEXAR EZ	3.7	SC	2.78 lb ai/a		3 qt/a	PRE A		99 a	99 a	99 a	99 a	99 a
3	LEXAR EZ PRINCEP 4L	3.7 4	SC SC	2.78 lb ai/a 1 lb ai/a		3 qt/a 1 qt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a
4	LEXAR EZ HALEX GT AATREX 4L NIS (ACTIVATOR 90) N-PAK AMS	3.7 4.389 4 100 100	SC CS SC SL SL	1.39 lb ai/a 0.71 lb ai/a 1 lb ai/a 0.25 % v/v 2.5 % v/v		1.5 qt/a 1.3 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	PRE A 2-4"W B 2-4"W B 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
5	ACURON AATREX 4L	100 4	SL SC	2.5 qt/a 0.75 lb ai/a		2.5 qt/a 1.5 pt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a
6	ACURON HALEX GT AATREX 4L	100 4.38 4	SL CS SC	1.25 qt/a 1.97 lb ai/a 0.75 lb ai/a		1.25 qt/a 3.6 pt/a 1.5 pt/a	PRE A 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
7	ACURON ACURON	100 100	SL SL	1.25 qt/a 1.25 qt/a		1.25 qt/a 1.25 qt/a	PRE A 2-4"W B		99 a	99 a	99 a	99 a	99 a
8	ACURON ACURON TOUCHDOWN TOTAL	100 100 4.17	SL SL SL	1.25 qt/a 1.25 qt/a 0.98 lb ae/a		1.25 qt/a 1.25 qt/a 30 fl oz/a	PRE A 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
9	CORVUS AATREX 4L	2.63 4	SC SC	0.115 lb ai/a 1.5 lb ai/a		5.6 oz/a 1.5 qt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a
10	CORVUS AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 4.5 100	SC SC SL SL	0.115 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		5.6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE A PRE A 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
11	ANTHEM ATZ AATREX 4L	4.5 4	SE SC	1.13 lb ai/a 0.5 lb ai/a		2 pt/a 1 pt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a
12	ANTHEM ATZ AATREX 4L ROUNDUP POWERMAX N-PAK AMS	4.5 4 4.5 100	SE SC SL SL	1.13 lb ai/a 0.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 pt/a 1 pt/a 32 fl oz/a 2.5 % v/v	PRE A PRE A 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
13	ZIDUA AATREX 4L	85 4	WG SC	0.133 lb ai/a 1.5 lb ai/a		2.5 oz/a 1.5 qt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a
14	ZIDUA AATREX 4L ROUNDUP POWERMAX N-PAK AMS	85 4 4.5 100	WG SC SL SL	0.133 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		2.5 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE A PRE A 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
15	INSTIGATE AATREX 4L	45.84 4	WG SC	0.172 lb ai/a 1.5 lb ai/a		6 oz/a 1.5 qt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a
16	INSTIGATE AATREX 4L ABUNDIT EXTRA N-PAK AMS	45.84 4 3 100	WG SC SL SL	0.172 lb ai/a 1.5 lb ai/a 0.75 lb ae/a 2.5 % v/v		6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE A PRE A 2-4"W B 2-4"W B		99 a	99 a	99 a	99 a	99 a
17	SURESTART II (GF-3005) AATREX 4L	4.16 4	SE SC	1.3 lb ai/a 1 lb ai/a		2.5 pt/a 1 qt/a	PRE A PRE A		99 a	99 a	99 a	99 a	99 a

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										5-27-14 Control Percent	6-5-14 Control Percent	6-19-14 Control Percent	7-3-14 Control Percent	7-31-14 Control Percent
										14 DA-A	23 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Appl Code					
18	SURESTART II (GF-3005)	4.16	SE	1.3 lb ai/a	2.5 pt/a			PRE	A	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	1 qt/a			PRE	A					
	DURANGO DMA	4	SL	0.75 lb ae/a	1.5 pt/a			2-4"W	B					
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			2-4"W	B					
19	VERDICT	5.57	EC	0.65 lb ai/a	15 fl oz/a			PRE	A	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1.5 lb ai/a	1.5 qt/a			PRE	A					
20	VERDICT	5.57	EC	0.65 lb ai/a	15 fl oz/a			PRE	A	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1.5 lb ai/a	1.5 qt/a			PRE	A					
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a			2-4"W	B					
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			2-4"W	B					
21	DEGREE XTRA	4.04	CS	3.03 lb ai/a	3 qt/a			PRE	A	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a			PRE	A					
22	DEGREE XTRA	4.04	CS	3.03 lb ai/a	3 qt/a			PRE	A	99 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	1.13 lb ae/a	32 fl oz/a			2-4"W	B					
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v			2-4"W	B					
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval									CYPES 5-27-14 Control Percent 14 DA-A	CYPES 6-5-14 Control Percent 23 DA-A 0 DA-B	CYPES 6-19-14 Control Percent 14 DA-B	CYPES 7-3-14 Control Percent 28 DA-B	CYPES 7-31-14 Control Percent 56 DA-B
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Unit Stage	Appl Code						
1 NONTREATED								0	0	0	0	0	0
2 LEXAR EZ	3.7	SC	2.78 lb ai/a		3 qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
3 LEXAR EZ PRINCEP 4L	3.7 4	SC SC	2.78 lb ai/a 1 lb ai/a		3 qt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a	99 a
4 LEXAR EZ HALEX GT AATREX 4L NIS (ACTIVATOR 90) N-PAK AMS	3.7 4.389 4 100 100	SC CS SC SL SL	1.39 lb ai/a 0.71 lb ai/a 1 lb ai/a 0.25 % v/v 2.5 % v/v		1.5 qt/a 1.3 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	PRE 2-4"W 2-4"W 2-4"W 2-4"W	A B B B B	99 a	99 a	99 a	99 a	99 a	99 a
5 ACURON AATREX 4L	100 4	SL SC	2.5 qt/a 0.75 lb ai/a		2.5 qt/a 1.5 pt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a	99 a
6 ACURON HALEX GT AATREX 4L	100 4.38 4	SL CS SC	1.25 qt/a 1.97 lb ai/a 0.75 lb ai/a		1.25 qt/a 3.6 pt/a 1.5 pt/a	PRE 2-4"W 2-4"W	A B B	99 a	99 a	99 a	99 a	99 a	99 a
7 ACURON ACURON	100 100	SL SL	1.25 qt/a 1.25 qt/a		1.25 qt/a 1.25 qt/a	PRE 2-4"W	A B	99 a	99 a	99 a	99 a	99 a	99 a
8 ACURON ACURON TOUCHDOWN TOTAL	100 100 4.17	SL SL SL	1.25 qt/a 1.25 qt/a 0.98 lb ae/a		1.25 qt/a 1.25 qt/a 30 fl oz/a	PRE 2-4"W 2-4"W	A B B	99 a	99 a	99 a	99 a	99 a	99 a
9 CORVUS AATREX 4L	2.63 4	SC SC	0.115 lb ai/a 1.5 lb ai/a		5.6 oz/a 1.5 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a	99 a
10 CORVUS AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 4.5 100	SC SC SL SL	0.115 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		5.6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a	99 a
11 ANTHEM ATZ AATREX 4L	4.5 4	SE SC	1.13 lb ai/a 0.5 lb ai/a		2 pt/a 1 pt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a	99 a
12 ANTHEM ATZ AATREX 4L ROUNDUP POWERMAX N-PAK AMS	4.5 4 4.5 100	SE SC SL SL	1.13 lb ai/a 0.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 pt/a 1 pt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	98 a	99 a	99 a	99 a	99 a	99 a
13 ZIDUA AATREX 4L	85 4	WG SC	0.133 lb ai/a 1.5 lb ai/a		2.5 oz/a 1.5 qt/a	PRE PRE	A A	97 a	97 a	97 a	97 a	97 a	97 a
14 ZIDUA AATREX 4L ROUNDUP POWERMAX N-PAK AMS	85 4 4.5 100	WG SC SL SL	0.133 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		2.5 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	96 a	99 a	99 a	99 a	99 a	99 a
15 INSTIGATE AATREX 4L	45.84 4	WG SC	0.172 lb ai/a 1.5 lb ai/a		6 oz/a 1.5 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a	99 a
16 INSTIGATE AATREX 4L ABUNDIT EXTRA N-PAK AMS	45.84 4 3 100	WG SC SL SL	0.172 lb ai/a 1.5 lb ai/a 0.75 lb ae/a 2.5 % v/v		6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a	99 a
17 SURESTART II (GF-3005) AATREX 4L	4.16 4	SE SC	1.3 lb ai/a 1 lb ai/a		2.5 pt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a	99 a

Southern Illinois University

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code	CYPES	CYPES	CYPES	CYPES	CYPES
Crop Code	5-27-14	6-5-14	6-19-14	7-3-14	7-31-14
Rating Date	Control	Control	Control	Control	Control
Rating Type	Percent	Percent	Percent	Percent	Percent
Rating Unit	14 DA-A	23 DA-A	14 DA-B	28 DA-B	56 DA-B
Rating Timing					
Trt-Eval Interval					
Trt Treatment					
No. Name					
18 SURESTART II (GF-3005)	97 a	99 a	99 a	99 a	99 a
AATREX 4L					
DURANGO DMA					
N-PAK AMS					
19 VERDICT	98 a	98 a	98 a	98 a	98 a
AATREX 4L					
20 VERDICT	99 a	99 a	99 a	99 a	99 a
AATREX 4L					
ROUNDUP POWERMAX					
N-PAK AMS					
21 DEGREE XTRA	98 a	98 a	98 a	98 a	98 a
AATREX 4L					
22 DEGREE XTRA	99 a	99 a	99 a	99 a	99 a
AATREX 4L					
ROUNDUP POWERMAX					
N-PAK AMS					
LSD (P=.05)	2.3	1.1	1.1	1.1	1.1
Standard Deviation	1.6	0.8	0.8	0.8	0.8
CV	1.67	0.81	0.81	0.81	0.81
Replicate F	0.567	0.792	0.792	0.792	0.792
Replicate Prob(F)	0.6388	0.5031	0.5031	0.5031	0.5031
Treatment F	1.280	1.634	1.634	1.634	1.634
Treatment Prob(F)	0.2279	0.0740	0.0740	0.0740	0.0740

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval									AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Trt Treatment Form Form Rate Other Other Growth Appl No. Name Conc Type Rate Unit Rate Rate Unit Stage Code									5-27-14 Control Percent 14 DA-A	6-5-14 Control Percent 23 DA-A 0 DA-B	6-19-14 Control Percent 14 DA-B	7-3-14 Control Percent 28 DA-B	7-31-14 Control Percent 56 DA-B
1 NONTREATED									0	0	0	0	0
2 LEXAR EZ 3.7 SC 2.78 lb ai/a 3 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
3 LEXAR EZ 3.7 SC 2.78 lb ai/a 3 qt/a PRE A PRINCEP 4L 4 SC 1 lb ai/a 1 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
4 LEXAR EZ 3.7 SC 1.39 lb ai/a 1.5 qt/a PRE A HALEX GT 4.389 CS 0.71 lb ai/a 1.3 pt/a 2-4"W B AATREX 4L 4 SC 1 lb ai/a 1 qt/a 2-4"W B NIS (ACTIVATOR 90) 100 SL 0.25 % v/v 0.25 % v/v 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
5 ACURON 100 SL 2.5 qt/a 2.5 qt/a PRE A AATREX 4L 4 SC 0.75 lb ai/a 1.5 pt/a PRE A									99 a	99 a	99 a	99 a	99 a
6 ACURON 100 SL 1.25 qt/a 1.25 qt/a PRE A HALEX GT 4.38 CS 1.97 lb ai/a 3.6 pt/a 2-4"W B AATREX 4L 4 SC 0.75 lb ai/a 1.5 pt/a 2-4"W B									99 a	99 a	99 a	99 a	99 a
7 ACURON 100 SL 1.25 qt/a 1.25 qt/a PRE A ACURON 100 SL 1.25 qt/a 1.25 qt/a 2-4"W B									99 a	99 a	99 a	99 a	99 a
8 ACURON 100 SL 1.25 qt/a 1.25 qt/a PRE A ACURON 100 SL 1.25 qt/a 1.25 qt/a 2-4"W B TOUCHDOWN TOTAL 4.17 SL 0.98 lb ae/a 30 fl oz/a 2-4"W B									99 a	99 a	99 a	99 a	99 a
9 CORVUS 2.63 SC 0.115 lb ai/a 5.6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
10 CORVUS 2.63 SC 0.115 lb ai/a 5.6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
11 ANTHEM ATZ 4.5 SE 1.13 lb ai/a 2 pt/a PRE A AATREX 4L 4 SC 0.5 lb ai/a 1 pt/a PRE A									99 a	99 a	99 a	99 a	99 a
12 ANTHEM ATZ 4.5 SE 1.13 lb ai/a 2 pt/a PRE A AATREX 4L 4 SC 0.5 lb ai/a 1 pt/a PRE A ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
13 ZIDUA 85 WG 0.133 lb ai/a 2.5 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
14 ZIDUA 85 WG 0.133 lb ai/a 2.5 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
15 INSTIGATE 45.84 WG 0.172 lb ai/a 6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
16 INSTIGATE 45.84 WG 0.172 lb ai/a 6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A ABUNDIT EXTRA 3 SL 0.75 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
17 SURESTART II (GF-3005) 4.16 SE 1.3 lb ai/a 2.5 pt/a PRE A AATREX 4L 4 SC 1 lb ai/a 1 qt/a PRE A									99 a	99 a	99 a	99 a	99 a

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval										AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
										5-27-14 Control Percent	6-5-14 Control Percent	6-19-14 Control Percent	7-3-14 Control Percent	7-31-14 Control Percent
										14 DA-A	23 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
18	SURESTART II (GF-3005)	4.16	SE	1.3 lb ai/a	2.5 pt/a		PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1 lb ai/a	1 qt/a		PRE	A						
	DURANGO DMA	4	SL	0.75 lb ae/a	1.5 pt/a		2-4"W	B						
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		2-4"W	B						
19	VERDICT	5.57	EC	0.65 lb ai/a	15 fl oz/a		PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1.5 lb ai/a	1.5 qt/a		PRE	A						
20	VERDICT	5.57	EC	0.65 lb ai/a	15 fl oz/a		PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	1.5 lb ai/a	1.5 qt/a		PRE	A						
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		2-4"W	B						
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		2-4"W	B						
21	DEGREE XTRA	4.04	CS	3.03 lb ai/a	3 qt/a		PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
	AATREX 4L	4	SC	0.5 lb ai/a	1 pt/a		PRE	A						
22	DEGREE XTRA	4.04	CS	3.03 lb ai/a	3 qt/a		PRE	A	99 a	99 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	1.13 lb ae/a	32 fl oz/a		2-4"W	B						
	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		2-4"W	B						
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval									AMATA	AMATA	AMATA	AMATA	AMATA
Trt Treatment Form Form Rate Other Other Growth Appl No. Name Conc Type Rate Unit Rate Rate Unit Stage Code									5-27-14 Control Percent	6-5-14 Control Percent	6-19-14 Control Percent	7-3-14 Control Percent	7-31-14 Control Percent
									14 DA-A	23 DA-A 0 DA-B	14 DA-B	28 DA-B	56 DA-B
1 NONTREATED									0	0	0	0	0
2 LEXAR EZ 3.7 SC 2.78 lb ai/a 3 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
3 LEXAR EZ 3.7 SC 2.78 lb ai/a 3 qt/a PRE A PRINCEP 4L 4 SC 1 lb ai/a 1 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
4 LEXAR EZ 3.7 SC 1.39 lb ai/a 1.5 qt/a PRE A HALEX GT 4.389 CS 0.71 lb ai/a 1.3 pt/a 2-4"W B AATREX 4L 4 SC 1 lb ai/a 1 qt/a 2-4"W B NIS (ACTIVATOR 90) 100 SL 0.25 % v/v 0.25 % v/v 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
5 ACURON 100 SL 2.5 qt/a 2.5 qt/a PRE A AATREX 4L 4 SC 0.75 lb ai/a 1.5 pt/a PRE A									99 a	99 a	99 a	99 a	99 a
6 ACURON 100 SL 1.25 qt/a 1.25 qt/a PRE A HALEX GT 4.38 CS 1.97 lb ai/a 3.6 pt/a 2-4"W B AATREX 4L 4 SC 0.75 lb ai/a 1.5 pt/a 2-4"W B									99 a	99 a	99 a	99 a	99 a
7 ACURON 100 SL 1.25 qt/a 1.25 qt/a PRE A ACURON 100 SL 1.25 qt/a 1.25 qt/a 2-4"W B									99 a	99 a	99 a	99 a	99 a
8 ACURON 100 SL 1.25 qt/a 1.25 qt/a PRE A ACURON 100 SL 1.25 qt/a 1.25 qt/a 2-4"W B TOUCHDOWN TOTAL 4.17 SL 0.98 lb ae/a 30 fl oz/a 2-4"W B									99 a	99 a	99 a	99 a	99 a
9 CORVUS 2.63 SC 0.115 lb ai/a 5.6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
10 CORVUS 2.63 SC 0.115 lb ai/a 5.6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
11 ANTHEM ATZ 4.5 SE 1.13 lb ai/a 2 pt/a PRE A AATREX 4L 4 SC 0.5 lb ai/a 1 pt/a PRE A									99 a	99 a	99 a	99 a	99 a
12 ANTHEM ATZ 4.5 SE 1.13 lb ai/a 2 pt/a PRE A AATREX 4L 4 SC 0.5 lb ai/a 1 pt/a PRE A ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
13 ZIDUA 85 WG 0.133 lb ai/a 2.5 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
14 ZIDUA 85 WG 0.133 lb ai/a 2.5 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
15 INSTIGATE 45.84 WG 0.172 lb ai/a 6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A									99 a	99 a	99 a	99 a	99 a
16 INSTIGATE 45.84 WG 0.172 lb ai/a 6 oz/a PRE A AATREX 4L 4 SC 1.5 lb ai/a 1.5 qt/a PRE A ABUNDIT EXTRA 3 SL 0.75 lb ae/a 32 fl oz/a 2-4"W B N-PAK AMS 100 SL 2.5 % v/v 2.5 % v/v 2-4"W B									99 a	99 a	99 a	99 a	99 a
17 SURESTART II (GF-3005) 4.16 SE 1.3 lb ai/a 2.5 pt/a PRE A AATREX 4L 4 SC 1 lb ai/a 1 qt/a PRE A									99 a	99 a	99 a	99 a	99 a

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code										AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code														
Rating Date										5-27-14	6-5-14	6-19-14	7-3-14	7-31-14
Rating Type										Control	Control	Control	Control	Control
Rating Unit										Percent	Percent	Percent	Percent	Percent
Rating Timing											23 DA-A			
Trt-Eval Interval										14 DA-A	0 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
18 SURESTART II (GF-3005)	4.16 SE		1.3 lb ai/a	2.5 pt/a		PRE A		99 a	99 a	99 a	99 a	99 a		
AATREX 4L	4 SC		1 lb ai/a	1 qt/a		PRE A								
DURANGO DMA	4 SL		0.75 lb ae/a	1.5 pt/a		2-4"W B								
N-PAK AMS	100 SL		2.5 % v/v	2.5 % v/v		2-4"W B								
19 VERDICT	5.57 EC		0.65 lb ai/a	15 fl oz/a		PRE A		99 a	99 a	99 a	99 a	99 a		
AATREX 4L	4 SC		1.5 lb ai/a	1.5 qt/a		PRE A								
20 VERDICT	5.57 EC		0.65 lb ai/a	15 fl oz/a		PRE A		99 a	99 a	99 a	99 a	99 a		
AATREX 4L	4 SC		1.5 lb ai/a	1.5 qt/a		PRE A								
ROUNDUP POWERMAX	4.5 SL		1.13 lb ae/a	32 fl oz/a		2-4"W B								
N-PAK AMS	100 SL		2.5 % v/v	2.5 % v/v		2-4"W B								
21 DEGREE XTRA	4.04 CS		3.03 lb ai/a	3 qt/a		PRE A		99 a	99 a	99 a	99 a	99 a		
AATREX 4L	4 SC		0.5 lb ai/a	1 pt/a		PRE A								
22 DEGREE XTRA	4.04 CS		3.03 lb ai/a	3 qt/a		PRE A		99 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		1.13 lb ae/a	32 fl oz/a		2-4"W B								
N-PAK AMS	100 SL		2.5 % v/v	2.5 % v/v		2-4"W B								
LSD (P=.05)								0.0	0.0	0.0	0.0	0.0		
Standard Deviation								0.0	0.0	0.0	0.0	0.0		
CV								0.0	0.0	0.0	0.0	0.0		
Replicate F								0.000	0.000	0.000	0.000	0.000		
Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000	1.0000		
Treatment F								0.000	0.000	0.000	0.000	0.000		
Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000	1.0000		

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval									IPOHE	IPOHE	IPOHE	IPOHE	IPOHE
									5-27-14 Control Percent	6-5-14 Control Percent	6-19-14 Control Percent	7-3-14 Control Percent	7-31-14 Control Percent
									14 DA-A	23 DA-A 0 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	NONTREATED								0	0	0	0	0
2	LEXAR EZ	3.7	SC	2.78 lb ai/a		3 qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
3	LEXAR EZ PRINCEP 4L	3.7 4	SC SC	2.78 lb ai/a 1 lb ai/a		3 qt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
4	LEXAR EZ HALEX GT AATREX 4L NIS (ACTIVATOR 90) N-PAK AMS	3.7 4 389 4 100 100	SC CS SC SL SL	1.39 lb ai/a 0.71 lb ai/a 1 lb ai/a 0.25 % v/v 2.5 % v/v		1.5 qt/a 1.3 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	PRE 2-4"W 2-4"W 2-4"W 2-4"W	A B B B B	99 a	99 a	99 a	99 a	99 a
5	ACURON AATREX 4L	100 4	SL SC	2.5 qt/a 0.75 lb ai/a		2.5 qt/a 1.5 pt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
6	ACURON HALEX GT AATREX 4L	100 4 38 4	SL CS SC	1.25 qt/a 1.97 lb ai/a 0.75 lb ai/a		1.25 qt/a 3.6 pt/a 1.5 pt/a	PRE 2-4"W 2-4"W	A B B	99 a	99 a	99 a	99 a	99 a
7	ACURON ACURON	100 100	SL SL	1.25 qt/a 1.25 qt/a		1.25 qt/a 1.25 qt/a	PRE 2-4"W	A B	99 a	99 a	99 a	99 a	99 a
8	ACURON ACURON TOUCHDOWN TOTAL	100 100 4.17	SL SL SL	1.25 qt/a 1.25 qt/a 0.98 lb ae/a		1.25 qt/a 1.25 qt/a 30 fl oz/a	PRE 2-4"W 2-4"W	A B B	99 a	99 a	99 a	99 a	99 a
9	CORVUS AATREX 4L	2.63 4	SC SC	0.115 lb ai/a 1.5 lb ai/a		5.6 oz/a 1.5 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
10	CORVUS AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 4.5 100	SC SC SL SL	0.115 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		5.6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
11	ANTHEM ATZ AATREX 4L	4.5 4	SE SC	1.13 lb ai/a 0.5 lb ai/a		2 pt/a 1 pt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
12	ANTHEM ATZ AATREX 4L ROUNDUP POWERMAX N-PAK AMS	4.5 4 4.5 100	SE SC SL SL	1.13 lb ai/a 0.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		2 pt/a 1 pt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
13	ZIDUA AATREX 4L	85 4	WG SC	0.133 lb ai/a 1.5 lb ai/a		2.5 oz/a 1.5 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
14	ZIDUA AATREX 4L ROUNDUP POWERMAX N-PAK AMS	85 4 4.5 100	WG SC SL SL	0.133 lb ai/a 1.5 lb ai/a 1.13 lb ae/a 2.5 % v/v		2.5 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
15	INSTIGATE AATREX 4L	45 84 4	WG SC	0.172 lb ai/a 1.5 lb ai/a		6 oz/a 1.5 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
16	INSTIGATE AATREX 4L ABUNDIT EXTRA N-PAK AMS	45 84 4 3 100	WG SC SL SL	0.172 lb ai/a 1.5 lb ai/a 0.75 lb ae/a 2.5 % v/v		6 oz/a 1.5 qt/a 32 fl oz/a 2.5 % v/v	PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
17	SURESTART II (GF-3005) AATREX 4L	4.16 4	SE SC	1.3 lb ai/a 1 lb ai/a		2.5 pt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a	99 a

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval										IPOHE 5-27-14 Control Percen	IPOHE 6-5-14 Control Percent 23 DA-A 0 DA-B	IPOHE 6-19-14 Control Percent 14 DA-B	IPOHE 7-3-14 Control Percent 28 DA-B	IPOHE 7-31-14 Control Percen 56 DA-B
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code					
18 SURESTART II (GF-3005) AATREX 4L DURANGO DMA N-PAK AMS	4.16 4 4 100	SE SC SL SL	1.3 lb 1 lb 0.75 lb 2.5 %	ai/a ai/a ae/a v/v	2.5 pt/a 1 qt/a 1.5 pt/a 2.5 %			PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
19 VERDICT AATREX 4L	5.57 4	EC SC	0.65 lb 1.5 lb	ai/a ai/a	15 fl oz/a 1.5 qt/a			PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
20 VERDICT AATREX 4L ROUNDUP POWERMAX N-PAK AMS	5.57 4 4.5 100	EC SC SL SL	0.65 lb 1.5 lb 1.13 lb 2.5 %	ai/a ai/a ae/a v/v	15 fl oz/a 1.5 qt/a 32 fl oz/a 2.5 %			PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
21 DEGREE XTRA AATREX 4L	4.04 4	CS SC	3.03 lb 0.5 lb	ai/a ai/a	3 qt/a 1 pt/a			PRE PRE	A A	99 a	99 a	99 a	99 a	99 a
22 DEGREE XTRA AATREX 4L ROUNDUP POWERMAX N-PAK AMS	4.04 4 4.5 100	CS SC SL SL	3.03 lb 0.5 lb 1.13 lb 2.5 %	ai/a ai/a ae/a v/v	3 qt/a 1 pt/a 32 fl oz/a 2.5 %			PRE PRE 2-4"W 2-4"W	A A B B	99 a	99 a	99 a	99 a	99 a
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000

Corn Herbicide Programs.

Trial ID: 14-52-ME110 Location: Belleville Res. Center Trial Year: 2014
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Trial Comments

1. Protocol: Syngenta (Sales Support).
2. Ratings: CI 14 and 28 DA-A (rate PREs prior to POST if less than 28 DA-A),
CI 14, 28, and 56 DA-B.
WC 14 DA-A; WC 0, 14, 28, and 56 DA-B (rate PREs prior to POST).
3. Yield, destroy grain.
4. Photos.
5. Following the PRE application the first significant rainfall event was 0.49 inch the next day.
Following the 2-4"W application the first significant rainfall event was 2.05 inch over the next 7 days.
6. Harvested 10-8-14, (2) 30 inch rows by 22 ft.