

Corn, Tilled Weed Control Studies

Southern Illinois University

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Status: F one-year/final Initiation Date: 5-5-15 Completion Date: 10-7-15	Trial Location
City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221	

Objectives:
Evaluate Acuron for preemergence weed control and crop safety in field corn and compare Acuron weed control programs to competitive programs.

Study Director: Ronald F. Krausz Organization: Belleville Research Center - Southern Illinois Univ Carbondale Address: 2036 Charles Lane City+State/Prov: Belleville, IL Postal Code: 62221 Country: USA	Contacts Title: Researcher/Farm Manager Phone No.: 618-566-4761 E-mail: rkrausz@siu.edu
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Crop 1: ZEAMD Zea mays indentata Dent corn Variety: DKC 63-33 BBCH Scale: BCOR Description: SS RIB	Crop Description
Planting Rate, Unit: 30000 S/A Depth, Unit: 1.5 IN Row Spacing, Unit: 30 IN	Planting Date: 5-5-15 Planting Method: SEEDED

Pest Description
Pest 1 Type: W Code: SETFA Setaria faberi Herrm. Common Name: foxtail, giant
Pest 2 Type: W Code: PANDI Panicum dichotomiflorum Michx. Common Name: panicum, fall
Pest 3 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant
Pest 4 Type: W Code: ABUTH Abutilon theophrasti Medik. Common Name: velvetleaf
Pest 5 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common

Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 27 FT Total Plot Length: 27 FT	Site and Design Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB� Randomized Complete Block (RCB)						
Replications: 3 Untreated Arrangement: INCLUDED single control randomized in each block							
<table border="1"> <thead> <tr> <th>No.</th> <th>Previous Crop</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>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					

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 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			

Description Name: 01_2013 % OM: 2.5 Texture: SIL silt loam pH: 6 Soil Name: Winfield CEC: 6	Soil Description									
Additional Measured Elements										
<table border="1"> <thead> <tr> <th>Element</th> <th>Quantity</th> <th>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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Moisture and Weather Conditions

Overall Moisture Conditions: ABONOR
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.	7-8-15					7	DAY	59	97	F
40.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
41.	7-15-15					7	DAY	69	93	F
42.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
43.	7-22-15					7	DAY	65	95	F
44.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
45.	7-29-15					7	DAY	65	93	F
46.	8-5-15					7	DAY	64	88	F
47.	8-5-15	2.25	IN	RAIN	rain	1	DAY			
48.	8-9-15	0.47	IN	RAIN	rain	1	DAY			
49.	8-12-15					7	DAY	63	89	F
50.	8-18-15	2.23	IN	RAIN	rain	2	DAY			
51.	8-19-15					7	DAY	52	82	F

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52.	8-22-15	0.18	IN	RAIN	rain	1	DAY			
53.	8-26-15					7	DAY	54	91	F
54.	9-2-15					7	DAY	68	94	F
55.	9-8-15	1.93	IN	RAIN	rain	2	DAY			
56.	9-9-15					7	DAY	47	83	F
57.	9-11-15	0.4	IN	RAIN	rain	1	DAY			
58.	9-16-15					7	DAY	51	90	F
59.	9-19-15	0.14	IN	RAIN	rain	1	DAY			
60.	9-23-15					7	DAY	54	85	F
61.	9-28-15	0.13	IN	RAIN	rain	1	DAY			

Application Description

	A	B	C
Application Date:	5-7-15	5-18-15	6-4-15
Appl. Start Time:	9:30	6:00	9:00
Appl. Stop Time:	10:15	6:30	9:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V1	10-12°C
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	LXF	RFK	RFK
Air Temperature, Unit:	80 F	71 F	73 F
% Relative Humidity:	54	100	82
Wind Velocity, Unit:	4 MPH	1 MPH	1 MPH
Wind Direction:	S	S	S
Dew Presence (Y/N):	N	Y	N
Soil Temperature, Unit:	63 F	69 F	68 F
Soil Moisture:	NORMAL	ABONOR	ABONOR
% Cloud Cover:	15	25	75
Next Moisture Occurred On:	5-8-15	5-20-15	6-5-15
Time to Next Moisture, Unit:	25 HR	2 DAY	20 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	V1	V5
Stage Minimum, Percent:		V1	V5
Stage Maximum, Percent:		V1	V5
Height, Unit:		4 IN	12 IN
Height Minimum, Maximum:		3 4	10 12

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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:		1	
Stage Maximum, Percent:		3	
Height, Unit:		0.5 IN	
Height Minimum, Maximum:		0.5 1	
Density, Unit:		2 FT2	
Pest 2 Code, Type, Scale:	PANDI W	PANDI W	PANDI W
Stage Majority, Percent:	NA	NA	NA
Pest 3 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	4	8
Stage Minimum, Percent:		2	4
Stage Maximum, Percent:		6	8
Height, Unit:		1 IN	3 IN
Height Minimum, Maximum:		1 2	2 5
Density, Unit:		1 FT2	0.1 FT2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	2	2
Stage Minimum, Percent:		2	COTY
Stage Maximum, Percent:		4	2
Height, Unit:		1 IN	0.5 IN
Height Minimum, Maximum:		1 2	0.25 0.5
Density, Unit:		2 FT2	0.001 FT2
Pest 5 Code, Type, Scale:	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	4	6
Stage Minimum, Percent:		3	2
Stage Maximum, Percent:		4	8
Height, Unit:		0.5 IN	1 IN
Height Minimum, Maximum:		0.5 1	0.25 3
Density, Unit:		3 FT2	0.1 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 10-7-15 Moisture Percent	ZEAMD 10-7-15 Test wt. lb/bu	ZEAMD 10-7-15 Yield bu/A			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	NONTREATED											9 c
2	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	PRE	A	16.8 a	57.0 a	173 ab
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5 1	qt/a qt/a	PRE PRE	A A	17.3 a	56.9 a	181 ab
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17 100	CS WG SL SL	2.15 0.175 0.98 2.5	lb ai/a lb ae/a lb ae/a % v/v	2.5 5 30 2.5	qt/a oz/a fl oz/a % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	17.0 a	57.0 a	192 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100 100	SG WG SL SG	0.0313 0.097 1 2	lb ai/a lb ai/a % v/v lb/a	1.5 4 1 2	oz/a oz/a % v/v lb/a	PRE 10-12°C 10-12°C 10-12°C	A C C C	17.6 a	56.7 a	176 ab
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 1	lb ai/a lb ai/a	3 1	pt/a qt/a	PRE PRE	A A	17.1 a	56.9 a	160 b
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5 100	EC WG WG SL SL	0.348 0.053 0.0875 0.855 2.5	lb ai/a lb ai/a lb ae/a lb ae/a % v/v	0.5 1 2.5 1.52 2.5	pt/a oz/a oz/a pt/a % v/v	PRE 10-12°C 10-12°C 10-12°C 10-12°C	A C C C C	17.0 a	57.1 a	163 ab
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 1	lb ai/a lb ai/a	5.6 1	fl oz/a qt/a	PRE PRE	A A	17.2 a	56.9 a	159 b
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5 100	SC SC SC SC SL SL	0.068 1 0.081 1 0.855 2.5	lb ai/a lb ai/a lb ai/a lb ai/a lb ae/a % v/v	3.3 1 3 1 1.52 2.5	fl oz/a qt/a fl oz/a qt/a pt/a % v/v	PRE PRE 10-12°C 10-12°C 10-12°C 10-12°C	A A C C C C	16.8 a	57.1 a	174 ab
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5 1	qt/a qt/a	PRE PRE	A A	16.4 a	57.4 a	168 ab
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4 100	CS SL SC SL	2.15 0.98 1 2.5	lb ai/a lb ae/a lb ai/a % v/v	2.5 30 1 2.5	qt/a fl oz/a qt/a % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	16.7 a	57.1 a	164 ab
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 1.97 2.5	lb ai/a lb ae/a % v/v	2.5 3 2.5	qt/a pt/a % v/v	PRE 10-12°C 10-12°C	A C C	17.1 a	57.0 a	167 ab

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

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

Missing data estimates are included in columns: Average=6,7,9,10,11,17,23,29,12,18,24,30,13,19,25,31,14,20,26,32,15,21,27,33

Could not calculate LSD (% mean diff) for columns 10,16,22,28,11,17,23,29,18,24,30,21,27,33 because error mean square = 0.

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Pest Code										ZEAMD	ZEAMD	ZEAMD	
Crop Code										10-7-15	10-7-15	10-7-15	
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	Rate Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code			
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1		B	16.9 a	57.1 a	162 b
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1		B			
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1		B			
LSD P=.05											0.80	0.44	28.8
Standard Deviation											0.46	0.25	16.8
CV											2.74	0.44	10.66
Replicate F											1.572	2.860	0.779
Replicate Prob(F)											0.2364	0.0850	0.4736
Treatment F											1.250	1.315	22.091
Treatment Prob(F)											0.3288	0.2963	0.0001

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Pest Code								ZEAMD	ZEAMD	ZEAMD	ZEAMD		
Crop Code								6-4-15	6-18-15	7-2-15	7-30-15		
Rating Date								Injury	Injury	Injury	Injury		
Rating Type								Percent	Percent	Percent	Percent		
Rating Unit								28 DA-A	42 DA-A	56 DA-A	84 DA-A		
Rating Timing								0 DA-C	14 DA-C	28 DA-C	56 DA-C		
Trt-Eval Interval													
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
2	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	PRE	A	0 a	0 a	0 a	0 a
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5 1	qt/a qt/a	PRE PRE	A A	0 a	0 a	0 a	0 a
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17	CS WG SL	2.15 0.175 0.98	lb ai/a lb ae/a lb ae/a	2.5 5 30	qt/a oz/a fl oz/a	PRE 10-12°C 10-12°C	A C C	0 a	0 a	0 a	0 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100	SG WG SL	0.0313 0.097 1	lb ai/a lb ai/a % v/v	1.5 4 1	oz/a oz/a % v/v	PRE 10-12°C 10-12°C	A C C	0 a	0 a	0 a	0 a
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 1	lb ai/a lb ai/a	3 1	pt/a qt/a	PRE PRE	A A	0 a	0 a	0 a	0 a
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5	EC WG WG SL	0.348 0.053 0.0875 0.855	lb ai/a lb ai/a lb ae/a lb ae/a	0.5 1 2.5 1.52	pt/a oz/a oz/a pt/a	PRE 10-12°C 10-12°C 10-12°C	A C C C	0 a	0 a	0 a	0 a
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 1	lb ai/a lb ai/a	5.6 1	fl oz/a qt/a	PRE PRE	A A	0 a	0 a	0 a	0 a
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5	SC SC SC SC SL	0.068 1 0.081 1 0.855	lb ai/a lb ai/a lb ai/a lb ai/a lb ae/a	3.3 1 3 1 1.52	fl oz/a qt/a fl oz/a qt/a pt/a	PRE PRE 10-12°C 10-12°C 10-12°C	A A C C C	0 a	0 a	0 a	0 a
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5 1	qt/a qt/a	PRE PRE	A A	0 a	0 a	0 a	0 a
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4	CS SL SC	2.15 0.98 1	lb ai/a lb ae/a lb ai/a	2.5 30 1	qt/a fl oz/a qt/a	PRE 10-12°C 10-12°C	A C C	0 a	0 a	0 a	0 a
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 1.97 2.5	lb ai/a lb ae/a % v/v	2.5 3 2.5	qt/a pt/a % v/v	PRE 10-12°C 10-12°C	A C C	0 a	0 a	0 a	0 a

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Crop Code								6-4-15	6-18-15	7-2-15	7-30-15			
Rating Date								Injury	Injury	Injury	Injury			
Rating Type								Percent	Percent	Percent	Percent			
Rating Unit								28 DA-A	42 DA-A	56 DA-A	84 DA-A			
Rating Timing								0 DA-C	14 DA-C	28 DA-C	56 DA-C			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code				
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1		B	0 a	0 a	0 a	0 a
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1		B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1		B				
LSD P=.05								0.0	0.0	0.0	0.0			
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	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	SETFA	SETFA	SETFA	SETFA			
							6-4-15 Control Percent 28 DA-A 0 DA-C	6-18-15 Control Percent 42 DA-A 14 DA-C	7-2-15 Control Percent 56 DA-A 28 DA-C	7-30-15 Control Percent 84 DA-A 56 DA-C			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5	qt/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17 100	CS WG SL SL	2.15 0.175 0.98 2.5	lb ai/a lb ae/a lb ae/a % v/v	2.5	qt/a 5 oz/a 30 fl oz/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100 100	SG WG SL SG	0.0313 0.097 1 2	lb ai/a lb ai/a % v/v lb/a	1.5	oz/a 4 oz/a 1 % v/v 2 lb/a	PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 1	lb ai/a lb ai/a	3	pt/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5 100	EC WG WG SL SL	0.348 0.053 0.0875 0.855 2.5	lb ai/a lb ai/a lb ae/a lb ae/a % v/v	0.5	pt/a 1 oz/a 2.5 oz/a 1.52 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C 10-12°C	A C C C C	99 a	99 a	99 a	99 a
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 1	lb ai/a lb ai/a	5.6	fl oz/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5 100	SC SC SC SC SL SL	0.068 1 0.081 1 0.855 2.5	lb ai/a lb ai/a lb ai/a lb ai/a lb ae/a % v/v	3.3	fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 1.52 pt/a 2.5 % v/v	PRE PRE 10-12°C 10-12°C 10-12°C 10-12°C	A A C C C C	99 a	99 a	99 a	99 a
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5	qt/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4 100	CS SL SC SL	2.15 0.98 1 2.5	lb ai/a lb ae/a lb ai/a % v/v	2.5	qt/a 30 fl oz/a 1 qt/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 1.97 2.5	lb ai/a lb ae/a % v/v	2.5	qt/a 3 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C	A C C	99 a	99 a	99 a	99 a

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code								SETFA	SETFA	SETFA	SETFA			
Crop Code								6-4-15	6-18-15	7-2-15	7-30-15			
Rating Date								Control	Control	Control	Control			
Rating Type								Percent	Percent	Percent	Percent			
Rating Unit								28 DA-A	42 DA-A	56 DA-A	84 DA-A			
Rating Timing								0 DA-C	14 DA-C	28 DA-C	56 DA-C			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code				
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1		B	99 a	99 a	99 a	99 a
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1		B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1		B				
LSD P=.05								0.0	0.0	0.0	0.0			
Standard Deviation								0.0	0.0	0.0	0.0			
CV														
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			

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 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								PANDI	PANDI	PANDI	PANDI	
								6-4-15 Control Percent 28 DA-A 0 DA-C	6-18-15 Control Percent 42 DA-A 14 DA-C	7-2-15 Control Percent 56 DA-A 28 DA-C	7-30-15 Control Percent 84 DA-A 56 DA-C	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code				
1	NONTREATED								0	0	0	0
2	ACURON	3.44	CS	2.15 lb ai/a	2.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 lb ai/a 1 lb ai/a	2.5	qt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17	CS WG SL	2.15 lb ai/a 0.175 lb ae/a 0.98 lb ae/a	2.5	qt/a 5 oz/a 30 fl oz/a	PRE 10-12°C 10-12°C	A C C	99 a	99 a	99 a	99 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100	SG WG SL	0.0313 lb ai/a 0.097 lb ai/a 1 % v/v	1.5	oz/a 4 oz/a 1 % v/v	PRE 10-12°C 10-12°C	A C C	96 a	99 a	99 a	99 a
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 lb ai/a 1 lb ai/a	3	pt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5	EC WG WG SL	0.348 lb ai/a 0.053 lb ai/a 0.0875 lb ae/a 0.855 lb ae/a	0.5	pt/a 1 oz/a 2.5 oz/a 1.52 pt/a	PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 lb ai/a 1 lb ai/a	5.6	fl oz/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5	SC SC SC SC SL	0.068 lb ai/a 1 lb ai/a 0.081 lb ai/a 1 lb ai/a 0.855 lb ae/a	3.3	fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 1.52 pt/a	PRE PRE 10-12°C 10-12°C 10-12°C	A A C C C	99 a	99 a	99 a	99 a
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 lb ai/a 1 lb ai/a	2.5	qt/a 1 qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4	CS SL SC	2.15 lb ai/a 0.98 lb ae/a 1 lb ai/a	2.5	qt/a 30 fl oz/a 1 qt/a	PRE 10-12°C 10-12°C	A C C	99 a	99 a	99 a	99 a
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 lb ai/a 1.97 lb ae/a 2.5 % v/v	2.5	qt/a 3 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C	A C C	99 a	99 a	99 a	99 a

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

								PANDI	PANDI	PANDI	PANDI		
								6-4-15	6-18-15	7-2-15	7-30-15		
								Control	Control	Control	Control		
								Percent	Percent	Percent	Percent		
								28 DA-A	42 DA-A	56 DA-A	84 DA-A		
								0 DA-C	14 DA-C	28 DA-C	56 DA-C		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1	B	99 a	99 a	99 a	99 a
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1	B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1	B				
LSD P=.05								2.6	
Standard Deviation								1.5	0.0	0.0	0.0		
CV								1.55	0.0	0.0	0.0		
Replicate F								0.955	0.000	0.000	0.000		
Replicate Prob(F)								0.4011	1.0000	1.0000	1.0000		
Treatment F								0.955	0.000	0.000	0.000		
Treatment Prob(F)								0.5125	1.0000	1.0000	1.0000		

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 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			
							6-4-15 Control Percent 28 DA-A 0 DA-C	6-18-15 Control Percent 42 DA-A 14 DA-C	7-2-15 Control Percent 56 DA-A 28 DA-C	7-30-15 Control Percent 84 DA-A 56 DA-C			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	PRE	A	93 ab	98 a	97 a	97 a
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5	qt/a qt/a	PRE PRE	A A	91 ab	96 a	96 a	96 a
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17 100	CS WG SL SL	2.15 0.175 0.98 2.5	lb ai/a lb ae/a lb ae/a % v/v	2.5	qt/a 5 oz/a 30 fl oz/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	89 abc	99 a	97 a	97 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100 100	SG WG SL SG	0.0313 0.097 1 2	lb ai/a lb ai/a % v/v lb/a	1.5	oz/a 4 oz/a 1 % v/v 2 lb/a	PRE 10-12°C 10-12°C 10-12°C	A C C C	82 cd	98 a	98 a	98 a
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 1	lb ai/a lb ai/a	3	pt/a qt/a	PRE PRE	A A	93 ab	94 a	94 a	94 a
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5 100	EC WG WG SL SL	0.348 0.053 0.0875 0.855 2.5	lb ai/a lb ai/a lb ae/a lb ae/a % v/v	0.5	pt/a 1 oz/a 2.5 oz/a 1.52 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C 10-12°C	A C C C C	90 ab	98 a	98 a	98 a
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 1	lb ai/a lb ai/a	5.6	fl oz/a qt/a	PRE PRE	A A	93 ab	93 a	93 a	93 a
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5 100	SC SC SC SC SL SL	0.068 1 0.081 1 0.855 2.5	lb ai/a lb ai/a lb ai/a lb ai/a lb ae/a % v/v	3.3	fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 1.52 pt/a 2.5 % v/v	PRE PRE 10-12°C 10-12°C 10-12°C 10-12°C	A A C C C C	77 d	99 a	99 a	99 a
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5	qt/a qt/a	PRE PRE	A A	88 bc	99 a	98 a	98 a
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4 100	CS SL SC SL	2.15 0.98 1 2.5	lb ai/a lb ae/a lb ai/a % v/v	2.5	qt/a 30 fl oz/a 1 qt/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	92 ab	99 a	99 a	99 a
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 1.97 2.5	lb ai/a lb ae/a % v/v	2.5	qt/a 3 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C	A C C	90 abc	99 a	99 a	99 a

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code								AMBTR	AMBTR	AMBTR	AMBTR		
Crop Code								6-4-15	6-18-15	7-2-15	7-30-15		
Rating Date								Control	Control	Control	Control		
Rating Type								Percent	Percent	Percent	Percent		
Rating Unit								28 DA-A	42 DA-A	56 DA-A	84 DA-A		
Rating Timing								0 DA-C	14 DA-C	28 DA-C	56 DA-C		
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code				
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1	B	97 a	98 a	98 a	98 a
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1	B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1	B				
LSD P=.05								8.5	4.2	4.2	4.2		
Standard Deviation								5.0	2.5	2.5	2.5		
CV								5.62	2.56	2.52	2.52		
Replicate F								5.718	2.683	3.119	3.119		
Replicate Prob(F)								0.0104	0.0917	0.0652	0.0652		
Treatment F								3.541	1.869	1.845	1.845		
Treatment Prob(F)								0.0062	0.1049	0.1095	0.1095		

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Pest Code							ABUTH	ABUTH	ABUTH	ABUTH		
Crop Code							6-4-15	6-18-15	7-2-15	7-30-15		
Rating Date							Control	Control	Control	Control		
Rating Type							Percent	Percent	Percent	Percent		
Rating Unit							28 DA-A	42 DA-A	56 DA-A	84 DA-A		
Rating Timing							0 DA-C	14 DA-C	28 DA-C	56 DA-C		
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code				
1	NONTREATED								0	0	0	0
2	ACURON	3.44	CS	2.15 lb ai/a	2.5 qt/a		PRE	A	99 a	99 a	99 a	99 a
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 lb ai/a 1 lb ai/a	2.5 qt/a 1 qt/a		PRE PRE	A A	99 a	99 a	99 a	99 a
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17 100	CS WG SL SL	2.15 lb ai/a 0.175 lb ae/a 0.98 lb ae/a 2.5 % v/v	2.5 qt/a 5 oz/a 30 fl oz/a 2.5 % v/v		PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100 100	SG WG SL SG	0.0313 lb ai/a 0.097 lb ai/a 1 % v/v 2 lb/a	1.5 oz/a 4 oz/a 1 % v/v 2 lb/a		PRE 10-12°C 10-12°C 10-12°C	A C C C	88 b	99 a	99 a	99 a
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 lb ai/a 1 lb ai/a	3 pt/a 1 qt/a		PRE PRE	A A	99 a	99 a	99 a	99 a
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5 100	EC WG WG SL SL	0.348 lb ai/a 0.053 lb ai/a 0.0875 lb ae/a 0.855 lb ae/a 2.5 % v/v	0.5 pt/a 1 oz/a 2.5 oz/a 1.52 pt/a 2.5 % v/v		PRE 10-12°C 10-12°C 10-12°C 10-12°C	A C C C C	99 a	99 a	99 a	99 a
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 lb ai/a 1 lb ai/a	5.6 fl oz/a 1 qt/a		PRE PRE	A A	99 a	99 a	99 a	99 a
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5 100	SC SC SC SC SL SL	0.068 lb ai/a 1 lb ai/a 0.081 lb ai/a 1 lb ai/a 0.855 lb ae/a 2.5 % v/v	3.3 fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 1.52 pt/a 2.5 % v/v		PRE PRE 10-12°C 10-12°C 10-12°C 10-12°C	A A C C C C	99 a	99 a	99 a	99 a
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 lb ai/a 1 lb ai/a	2.5 qt/a 1 qt/a		PRE PRE	A A	99 a	99 a	99 a	99 a
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4 100	CS SL SC SL	2.15 lb ai/a 0.98 lb ae/a 1 lb ai/a 2.5 % v/v	2.5 qt/a 30 fl oz/a 1 qt/a 2.5 % v/v		PRE 10-12°C 10-12°C 10-12°C	A C C C	98 a	99 a	99 a	99 a
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 lb ai/a 1.97 lb ae/a 2.5 % v/v	2.5 qt/a 3 pt/a 2.5 % v/v		PRE 10-12°C 10-12°C	A C C	99 a	99 a	99 a	99 a

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

								ABUTH	ABUTH	ABUTH	ABUTH		
								6-4-15	6-18-15	7-2-15	7-30-15		
								Control	Control	Control	Control		
								Percent	Percent	Percent	Percent		
								28 DA-A	42 DA-A	56 DA-A	84 DA-A		
								0 DA-C	14 DA-C	28 DA-C	56 DA-C		
Trt. No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1	B	99 a	99 a	99 a	99 a
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1	B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1	B				
LSD P=.05								4.0	0.5	0.5	0.5	0.5	
Standard Deviation								2.4	0.3	0.3	0.3	0.3	
CV								2.42	0.3	0.3	0.3	0.3	
Replicate F								0.847	0.955	0.955	0.955	0.955	
Replicate Prob(F)								0.4430	0.4011	0.4011	0.4011	0.4011	
Treatment F								5.033	0.781	0.781	0.781	0.781	
Treatment Prob(F)								0.0007	0.6556	0.6556	0.6556	0.6556	

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 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			
							6-4-15 Control Percent 28 DA-A 0 DA-C	6-18-15 Control Percent 42 DA-A 14 DA-C	7-2-15 Control Percent 56 DA-A 28 DA-C	7-30-15 Control Percent 84 DA-A 56 DA-C			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0	0	0	0
2	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
3	ACURON AATREX 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5	qt/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
4	ACURON STATUS TOUCHDOWN TOTAL N-PAK AMS	3.44 56 4.17 100	CS WG SL SL	2.15 0.175 0.98 2.5	lb ai/a lb ae/a lb ae/a % v/v	2.5	qt/a 5 oz/a 30 fl oz/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
5	LEADOFF REALM Q COC (PRIME OIL) AMS	33.4 38.75 100 100	SG WG SL SG	0.0313 0.097 1 2	lb ai/a lb ai/a % v/v lb/a	1.5	oz/a 4 oz/a 1 % v/v 2 lb/a	PRE 10-12°C 10-12°C 10-12°C	A C C C	33 b	99 a	99 a	99 a
6	SURESTART II AATREX 4L	4.16 4	SE SC	1.56 1	lb ai/a lb ai/a	3	pt/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
7	VERDICT ZIDUA STATUS ROUNDUP POWERMAX N-PAK AMS	5.57 85 56 4.5 100	EC WG WG SL SL	0.348 0.053 0.0875 0.855 2.5	lb ai/a lb ai/a lb ae/a lb ae/a % v/v	0.5	pt/a 1 oz/a 2.5 oz/a 1.52 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C 10-12°C	A C C C C	99 a	99 a	99 a	99 a
8	CORVUS AATREX 4L	2.63 4	SC SC	0.115 1	lb ai/a lb ai/a	5.6	fl oz/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
9	CORVUS AATREX 4L CAPRENO AATREX 4L ROUNDUP POWERMAX N-PAK AMS	2.63 4 3.45 4 4.5 100	SC SC SC SC SL SL	0.068 1 0.081 1 0.855 2.5	lb ai/a lb ai/a lb ai/a lb ai/a lb ae/a % v/v	3.3	fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 1.52 pt/a 2.5 % v/v	PRE PRE 10-12°C 10-12°C 10-12°C 10-12°C	A A C C C C	96 a	99 a	99 a	99 a
10	ACURON PRINCEP 4L	3.44 4	CS SC	2.15 1	lb ai/a lb ai/a	2.5	qt/a qt/a	PRE PRE	A A	99 a	99 a	99 a	99 a
11	ACURON TOUCHDOWN TOTAL AATREX 4L N-PAK AMS	3.44 4.17 4 100	CS SL SC SL	2.15 0.98 1 2.5	lb ai/a lb ae/a lb ai/a % v/v	2.5	qt/a 30 fl oz/a 1 qt/a 2.5 % v/v	PRE 10-12°C 10-12°C 10-12°C	A C C C	99 a	99 a	99 a	99 a
12	ACURON SEQUENCE N-PAK AMS	3.44 5.25 100	CS SL SL	2.15 1.97 2.5	lb ai/a lb ae/a % v/v	2.5	qt/a 3 pt/a 2.5 % v/v	PRE 10-12°C 10-12°C	A C C	99 a	99 a	99 a	99 a

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

								AMATA	AMATA	AMATA	AMATA		
Pest Code													
Crop Code													
Rating Date								6-4-15	6-18-15	7-2-15	7-30-15		
Rating Type								Control	Control	Control	Control		
Rating Unit								Percent	Percent	Percent	Percent		
Rating Timing								28 DA-A	42 DA-A	56 DA-A	84 DA-A		
Trt-Eval Interval								0 DA-C	14 DA-C	28 DA-C	56 DA-C		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
13	ACURON	3.44	CS	2.15	lb ai/a	2.5	qt/a	V1	B	99 a	99 a	99 a	99 a
	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1	B				
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V1	B				
LSD P=.05								7.6	.	.	.		
Standard Deviation								4.5	0.0	0.0	0.0		
CV								4.78	0.0	0.0	0.0		
Replicate F								1.222	0.000	0.000	0.000		
Replicate Prob(F)								0.3148	1.0000	1.0000	1.0000		
Treatment F								53.950	0.000	0.000	0.000		
Treatment Prob(F)								0.0001	1.0000	1.0000	1.0000		

Acuron Herbicide University Trials for Weed Control and Crop Tolerance in Soil less than 3% OM.

Trial ID: 15-1-ME50 Location: Belleville Res. Center Trial Year: 2015
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Trial Comments

1. Protocol: Syngenta (HBI001A3-2015US).
2. Ratings:
 - CI at 0, 14, 28, and 56 DA-C.
 - WC at 0, 14, 28, and 56 DA-C.
 - Rate before spray application C (10-12"CN).
3. Yield, Acuron is labeled, okay to sell grain.
4. Photos of all treatments from rep 1 (or best rep) at 0 DA-C and again at 14 to 28 DA-C (just prior to canopy closure).
5. Rainfall following the PRE application was 4.09 inch over 4 days beginning 1 day later.
Rainfall following the V1 application was 0.16 inch over 1 day beginning 2 days later.
Rainfall following the 10-12"CN application was 0.83 inch over 4 days beginning 20 hours later.
6. Harvested 10-7-15, (2) 30 inch rows by 24 ft.