

Corvus Postemergence in No-Till Corn.

Trial ID: 10-5B

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu

City State Zip Country: Belleville IL 62221 USA

Trial Status: FINAL Initiation Date: 05-29-10

Objectives: Evaluate the performance of Corvus applied postemergence in no-till corn for control of existing weeds and residual control.

Crop 1: ZEAMD Dent corn Variety: P1184HR Description: LL/RR2
 Planting Method: SEEDED Planting Date: 05-29-10
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 2 Type: W Code: CYPES Cyperus esculentus L. nutsedge, yellow
 Pest 3 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf
 Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 5 Type: W Code: XANST Xanthium strumarium L. cocklebur, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 26 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2009

Field Prep./Maintenance: N 150 LB/A, P205 0 LB/A, K20 100 LB/A

% OM: 1.9 Texture: SILT LOAM
 pH: 6.8 Soil Name: WINFIELD
 CEC: 7 Fert. Level: P1: 119 LB/A, K: 315 LB/A

Application Description

	A	B
Application Date:	06-03-10	06-07-10
Time of Day:	14:00	13:45
Application Method:	Spray	Spray
Application Timing:	SPIKE	V2
Application Placement:	BROFOL	BROFOL
Applied By:	RFK	NVH
Air Temperature, Unit:	80 F	80 F
% Relative Humidity:	92	58
Wind Velocity, Unit:	3 MPH	1 MPH
Wind Direction:	SW	E
Dew Presence (Y/N):	N	N
Soil Moisture:	ABONOR	NORMAL

	A	B
Crop stage at application:	SPIKE	V2
Height Min, Max (inch):	0 1 4 7	

Pest Stage At Each Application

	A	B
Application Date:	06-03-10	06-07-10
Weed Code:	SETFA	SETFA
Stage Majority (leaves):	2	3
Stage Min, Max:	1 3	1 6
Height Majority:	0.5 IN	1.5 IN
Height Min, Max:	0 2	1 4
Density, Unit:	0.01 FT2	0.01 FT2
Weed Code:	CYPES	CYPES
Stage Majority (leaves):	4	5
Stage Min, Max:	3 4	3 7
Height Majority:	2 IN	3.5 IN
Height Min, Max:	1 3	1 6
Density, Unit:	0.01 FT2	0.01 FT2
Weed Code:	ABUTH	ABUTH
Stage Majority (leaves):	4	5
Stage Min, Max:	1 4	1 6
Height Majority:	1 IN	3 IN
Height Min, Max:	0 1	1 5
Density, Unit:	0.1 FT2	0.3 FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	NA	2
Stage Min, Max:		COTY 3
Height Majority:		1 IN
Height Min, Max:		0.5 2
Density, Unit:		0.01 FT2
Weed Code:	XANST	XANST
Stage Majority (leaves):	4	5
Stage Min, Max:	1 4	1 7
Height Majority:	1 IN	2 IN
Height Min, Max:	0 1	0.5 4
Density, Unit:	0.1 FT2	0.1 FT2

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Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA

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Pest Code Crop Code Rating Date Rating Data Type Rating Unit Rating Timing Trt-Eval Interval										ZEAMD 10-19-10 Moisture Percent	ZEAMD 10-19-10 Test wt. lb/bu	ZEAMD 10-19-10 Yield bu/A	ZEAMD HTRED Percent 7 DA-A 7 DA-B	ZEAMD Chlorosis Percent 7 DA-A 7 DA-B	ZEAMD Injury Percent 14 DA-A 14 DA-B	ZEAMD Injury Percent 28 DA-A 28 DA-B	ZEAMD Injury Percent 56 DA-A 56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
1	NONTREATED									13.7 b	61.9 a	78 e	0 d	0 d	0 e	0 e	0 a
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	14.3 ab	61.5 b	169 abc	0 d	2 bc	2 de	0 e	0 a
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A								
3	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	14.1 ab	61.6 b	152 cd	3 d	2 b	4 de	2 d	0 a
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A								
3	MSO (DESTINY)	100	SL	0.5	% v/v	0.5	% v/v	SPIKE	A								
3	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A								
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	14.2 ab	61.5 b	158 bcd	0 d	2 b	1 de	0 e	0 a
4	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A								
4	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A								
4	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A								
5	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	14.2 ab	61.6 b	167 abc	0 d	2 b	2 de	0 e	0 a
5	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A								
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	SPIKE	A								
5	AMS	100	SG	1	% w/w	8.5	lb/100 gal	SPIKE	A								
6	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	SPIKE	A	14.1 ab	61.4 b	170 abc	13 bc	2 bc	17 b	9 b	0 a
6	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A								
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A								
6	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A								
7	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	SPIKE	A	14.4 ab	61.5 b	158 bcd	15 b	5 a	11 c	4 c	0 a
7	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A								
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A								
7	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A								
8	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	14.2 ab	61.6 b	169 abc	0 d	0 d	0 e	0 e	0 a
8	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
9	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	14.1 ab	61.6 b	169 abc	0 d	0 d	0 e	0 e	0 a
9	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B								
9	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B								
10	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	14.2 ab	61.5 b	157 bcd	2 d	0 d	1 e	0 e	0 a
10	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2	B								
10	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B								
11	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	14.2 ab	61.6 b	153 cd	0 d	0 d	1 e	0 e	0 a
11	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
11	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B								
11	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B								
12	CORVUS	2.62	SC	0.092	lb ai/a	4.5	fl oz/a	V2	B	14.1 ab	61.5 b	165 abc	0 d	0 d	1 e	0 e	0 a
12	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
12	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B								
12	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B								
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	V2	B	14.3 ab	61.5 b	158 bcd	0 d	0 d	1 e	0 e	0 a
13	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
13	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B								
13	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B								
14	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B	14.2 ab	61.6 b	183 a	0 d	0 d	1 e	0 e	0 a
14	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
14	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B								
14	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B								
15	LEXAR	3.7	SC	3.24	lb ai/a	3.5	qt/a	V2	B	14.1 ab	61.7 ab	161 abc	0 d	0 d	1 e	0 e	0 a
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B								
15	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B								
16	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	V2	B	14.6 a	61.2 c	137 d	58 a	5 a	57 a	18 a	0 a
16	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B								
16	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2	B								

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Pest Code										ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD								
Crop Code										10-19-10	10-19-10	10-19-10	10-19-10	10-19-10	10-19-10	10-19-10	10-19-10								
Rating Date										Moisture	Test wt.	Yield	HTRED	Chlorosis	Injury	Injury	Injury								
Rating Data Type										Percent	lb/bu	bu/A	Percent	Percent	Percent	Percent	Percent								
Rating Unit													Percent	Percent	Percent	Percent	Percent								
Rating Timing													7 DA-A	7 DA-A	14 DA-A	28 DA-A	56 DA-A								
Trt-Eval Interval													7 DA-B	7 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																
17	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	SPIKE	A	14.2	ab	61.5	b	178	ab	7	cd	2	bc	6	d	0	e	0	a
17	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A																
17	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	SPIKE	A																
18	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	V2	B	14.2	ab	61.5	b	153	cd	15	b	1	c	13	bc	0	e	0	a
18	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B																
18	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B																
LSD (P=.05)										0.73	0.22	22.7	7.6	0.6	4.5	1.3	0.0								
Replicate F										0.245	0.589	15.348	0.418	0.557	0.079	0.785	0.000								
Replicate Prob(F)										0.7845	0.5605	0.0001	0.6618	0.5779	0.9245	0.4644	1.0000								
Treatment F										0.518	2.695	8.186	28.295	58.959	74.736	99.769	0.000								
Treatment Prob(F)										0.9250	0.0068	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000								

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

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										SETFA	SETFA	SETFA	CYPES	CYPES	CYPES
Pest Code										Control	Control	Control	Control	Control	Control
Crop Code										Percent	Percent	Percent	Percent	Percent	Percent
Rating Date										14 DA-A	28 DA-A	56 DA-A	14 DA-A	28 DA-A	56 DA-A
Rating Data Type										14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B
Rating Unit															
Rating Timing															
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 f	0 f	0 h	0 g	0 f	0 f
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	97 bc	97 a	94 abc	90 f	90 de	87 b-e
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
3	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	98 ab	98 a	95 abc	94 bcd	92 cde	88 a-e
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
3	MSO (DESTINY)	100	SL	0.5	% v/v	0.5	% v/v	SPIKE	A						
3	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	98 ab	98 a	97 ab	95 bc	95 abc	91 a-d
4	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
4	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A						
4	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
5	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 a	99 a	94 bcd	95 abc	92 abc
5	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	SPIKE	A						
5	AMS	100	SG	1	% w/w	8.5	lb/100 gal	SPIKE	A						
6	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	SPIKE	A	99 a	97 a	94 abc	92 def	92 cde	88 a-e
6	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A						
6	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
7	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	SPIKE	A	99 a	98 a	89 abc	92 ef	89 e	83 e
7	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A						
7	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
8	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	96 d	83 c	72 d	95 bc	95 abc	90 a-d
8	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
9	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	96 cd	96 a	84 bc	95 bc	96 abc	93 ab
9	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B						
9	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B						
10	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	94 abc	96 ab	97 ab	92 a-d
10	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2	B						
10	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
11	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	96 abc	96 ab	98 ab	91 a-d
11	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
11	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
11	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
12	CORVUS	2.62	SC	0.092	lb ai/a	4.5	fl oz/a	V2	B	99 a	97 a	91 abc	96 ab	96 abc	91 a-d
12	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
12	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
12	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	V2	B	98 ab	98 a	90 abc	94 bcd	96 abc	89 a-e
13	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
13	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
13	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
14	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B	99 ab	98 a	92 abc	96 abc	95 abc	88 a-e
14	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
14	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
14	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
15	LEXAR	3.7	SC	3.24	lb ai/a	3.5	qt/a	V2	B	93 e	63 e	13 g	98 a	98 a	94 a
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B						
15	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B						
16	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	V2	B	95 d	93 b	57 e	95 bc	94 bcd	88 a-e
16	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
16	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2	B						

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Location: Belleville Res. Center

Pest Code	SETFA	SETFA	SETFA	CYPES	CYPES	CYPES
Crop Code						
Rating Date						
Rating Data Type						
Rating Unit	Control	Control	Control	Control	Control	Control
Rating Timing	Percent	Percent	Percent	Percent	Percent	Percent
Trt-Eval Interval	14 DA-A	28 DA-A	56 DA-A	14 DA-A	28 DA-A	56 DA-A
	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	SPIKE	A	96	cd	92	b	84	cd
17	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A						
17	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	SPIKE	A						
18	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	V2	B	96	cd	70	d	30	f
18	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B						
18	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B						
LSD (P=.05)										1.4		3.4		12.4	
Replicate F										0.807		2.386		4.026	
Replicate Prob(F)										0.4545		0.1073		0.0270	
Treatment F										2240.810		429.306		50.177	
Treatment Prob(F)										0.0001		0.0001		0.0001	

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

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										ABUTH	ABUTH	ABUTH	AMATA	AMATA	AMATA
Pest Code										Control	Control	Control	Control	Control	Control
Crop Code										Percent	Percent	Percent	Percent	Percent	Percent
Rating Date										14 DA-A	28 DA-A	56 DA-A	14 DA-A	28 DA-A	56 DA-A
Rating Data Type										14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B
Rating Unit															
Rating Timing															
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 b	0 d	0 d	0 b	0 b	0 b
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	98 c	98 c	99 a	99 a	99 a
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
3	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 b	98 b	99 a	99 a	99 a
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
3	MSO (DESTINY)	100	SL	0.5	% v/v	0.5	% v/v	SPIKE	A						
3	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 a	99 a	99 a	99 a	99 a
4	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
4	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A						
4	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
5	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 a	99 a	99 a	99 a	99 a
5	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	SPIKE	A						
5	AMS	100	SG	1	% w/w	8.5	lb/100 gal	SPIKE	A						
6	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	SPIKE	A	99 a	99 a	99 a	99 a	99 a	99 a
6	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A						
6	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
7	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	SPIKE	A	99 a	99 a	99 a	99 a	99 a	99 a
7	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A						
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A						
7	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A						
8	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
8	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
9	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
9	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B						
9	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B						
10	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
10	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2	B						
10	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
11	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
11	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
11	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
11	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
12	CORVUS	2.62	SC	0.092	lb ai/a	4.5	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
12	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
12	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
12	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
13	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
13	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
13	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
14	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
14	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
14	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B						
14	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B						
15	LEXAR	3.7	SC	3.24	lb ai/a	3.5	qt/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B						
15	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B						
16	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	V2	B	99 a	99 a	99 a	99 a	99 a	99 a
16	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B						
16	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2	B						

Corvus Postemergence in No-Till Corn.

Trial ID: 10-5B

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	AMATA	AMATA	AMATA
Crop Code						
Rating Date						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing	14 DA-A	28 DA-A	56 DA-A	14 DA-A	28 DA-A	56 DA-A
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
17	SHARPEN	2.85	SC	0.067	lb ai/a	3 fl oz/a	SPIKE	A	99	a	99	a	99	a
17	CORVUS	2.62	SC	0.115	lb ai/a	5.6 fl oz/a	SPIKE	A						
17	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25 % v/v	SPIKE	A						
18	SHARPEN	2.85	SC	0.067	lb ai/a	3 fl oz/a	V2	B	99	a	99	a	99	a
18	CORVUS	2.62	SC	0.115	lb ai/a	5.6 fl oz/a	V2	B						
18	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25 % v/v	V2	B						
LSD (P=.05)									0.0	0.3	0.6	0.0	0.0	0.0
Replicate F									0.000	1.545	1.545	0.000	0.000	0.000
Replicate Prob(F)									1.0000	0.2278	0.2278	1.0000	1.0000	1.0000
Treatment F									0.000	45389.458	11335.705	0.000	0.000	0.000
Treatment Prob(F)									1.0000	0.0001	0.0001	1.0000	1.0000	1.0000

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

Corvus Postemergence in No-Till Corn.

Trial ID: 10-5B

Location: Belleville Res. Center

										XANST	XANST	XANST
Pest Code										Control	Control	Control
Crop Code										Percent	Percent	Percent
Rating Date										14 DA-A	28 DA-A	56 DA-A
Rating Data Type										14 DA-B	28 DA-B	56 DA-B
Rating Unit												
Rating Timing												
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 b	0 c	0 c
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	98 b	95 ab
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A			
3	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 a	99 a
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A			
3	MSO (DESTINY)	100	SL	0.5	% v/v	0.5	% v/v	SPIKE	A			
3	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A			
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 a	98 a
4	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A			
4	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A			
4	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A			
5	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	SPIKE	A	99 a	99 a	99 a
5	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A			
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	SPIKE	A			
5	AMS	100	SG	1	% w/w	8.5	lb/100 gal	SPIKE	A			
6	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	SPIKE	A	99 a	98 ab	97 ab
6	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A			
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A			
6	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A			
7	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	SPIKE	A	99 a	98 b	96 ab
7	AATREX	4	SC	1.5	lb ai/a	3	pt/a	SPIKE	A			
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	SPIKE	A			
7	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	SPIKE	A			
8	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	99 a
8	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
9	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	99 a	99 a
9	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B			
9	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B			
10	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	98 b	93 b
10	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2	B			
10	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B			
11	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V2	B	99 a	98 ab	96 ab
11	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
11	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B			
11	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B			
12	CORVUS	2.62	SC	0.092	lb ai/a	4.5	fl oz/a	V2	B	99 a	99 a	97 ab
12	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
12	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B			
12	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B			
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	V2	B	99 a	99 a	98 a
13	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
13	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B			
13	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B			
14	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V2	B	99 a	99 a	95 ab
14	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
14	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	V2	B			
14	AMS	100	SG	1	% w/w	8.5	lb/100 gal	V2	B			
15	LEXAR	3.7	SC	3.24	lb ai/a	3.5	qt/a	V2	B	99 a	99 a	99 a
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V2	B			
15	32% UAN	100	SL	1.5	qt/a	1.5	qt/a	V2	B			
16	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	V2	B	99 a	99 a	99 a
16	AATREX	4	SC	1.5	lb ai/a	3	pt/a	V2	B			
16	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2	B			

Corvus Postemergence in No-Till Corn.

Trial ID: 10-5B

Location: Belleville Res. Center

Pest Code		XANST	XANST	XANST
Crop Code				
Rating Date				
Rating Data Type		Control	Control	Control
Rating Unit		Percent	Percent	Percent
Rating Timing		14 DA-A	28 DA-A	56 DA-A
Trt-Eval Interval		14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
17	SHARPEN	2.85	SC	0.067 lb ai/a	3 fl oz/a		SPIKE	A	99 a	99 a	99 a
17	CORVUS	2.62	SC	0.115 lb ai/a	5.6 fl oz/a		SPIKE	A			
17	NIS (ACTIVATOR 90)	100	SL	0.25 % v/v	0.25 % v/v		SPIKE	A			
18	SHARPEN	2.85	SC	0.067 lb ai/a	3 fl oz/a		V2	B	99 a	98 ab	98 a
18	CORVUS	2.62	SC	0.115 lb ai/a	5.6 fl oz/a		V2	B			
18	NIS (ACTIVATOR 90)	100	SL	0.25 % v/v	0.25 % v/v		V2	B			
LSD (P=.05)									0.0	1.0	4.7
Replicate F									0.000	0.834	1.121
Replicate Prob(F)									1.0000	0.4428	0.3377
Treatment F									0.000	4567.498	204.494
Treatment Prob(F)									1.0000	0.0001	0.0001

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

Trial Comments

1. Protocol: Bayer (JJB).
2. Ratings: CI 7 DAT; CI/WC at 14, 28, and 56 DAT.
3. No yield necessary.
4. Blanket burndown of Roundup Powermax (22 fl oz/A) plus 2,4-D (1 pt/A) was applied to entire area at 7-14 DBP on 5-12-10.
5. HTRED = Height reduction.
Chlorosis = Percent of plant exhibiting chlorosis (severity), incidence across plots was about 2% of plants.
6. Ratings at 7 days after the SPIKE (A) and the V2 (B) application were on 6-10-10 and 6-14-10, respectively.
Ratings at 14 days after the SPIKE (A) and the V2 (B) application were on 6-17-10 and 6-21-10, respectively.
Ratings at 28 days after the SPIKE (A) and the V2 (B) application were on 7-1-10 and 7-5-10, respectively.
Ratings at 56 days after the SPIKE (A) and the V2 (B) application were on 7-29-10 and 8-2-10, respectively.
7. Harvested 10-19-10, (2) 30 inch rows by 23 ft.