

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

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: 06-29-09

Objectives: Demonstrate the efficacy of Bayer herbicide programs in corn.

Crop 1: ZEAMD Dent corn	Variety: P33K44	Description: RR/LL
Planting Method: SEEDED	Planting Date: 06-29-09	
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: AMBTR	Ambrosia trifida L.	ragweed, giant
Pest 4 Type: W	Code: IPOHE	Ipomoea hederacea (L.) Jacq.	morningglory, ivyleaf
Pest 5 Type: W	Code: ABUTH	Abutilon theophrasti Medicus	velvetleaf
Pest 6 Type: W	Code: XANST	Xanthium strumarium L.	cocklebur, common

Plot Width, Unit: 10 FT	Site Type: FIELD
Plot Length, Unit: 27 FT	Tillage Type: REDUCED-TILL
Replications: 3	Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2008

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

% OM: 2.2	Texture: SILT LOAM
pH: 6.7	Soil Name: PIERRON
CEC: 12	Fert. Level: P1: 101 LB/A, K: 388 LB/A

	Application Description		
	A	B	C
Application Date:	06-29-09	07-07-09	07-16-09
Time of Day:	21:00	12:15	12:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V1-2	V3-4
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	NVH	NVH	NVH
Air Temperature, Unit:	80 F	84 F	83 F
% Relative Humidity:	56	68	68
Wind Velocity, Unit:	1 MPH	1 MPH	3 MPH
Wind Direction:	W	SW	SW
Dew Presence (Y/N):	N	N	N
Soil Moisture:	NORMAL	ABONOR	NORMAL
% Cloud Cover:	0	40	15
Crop stage at application:	NA	V1	V4
Height Min, Max (inch):		2 4	16 18

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

Location: Belleville Res. Center

	Pest Stage At Each Application		
Application Date:	06-29-09	07-07-09	07-16-09
Weed Code:	SETFA	SETFA	SETFA
Stage Majority (leaves):	NA	NA	COTY
Stage Min, Max:			COTY 2
Height Majority:			0.25 IN
Height Min, Max:			0.25 0.5
Density, Unit:			0.01 FT2
Weed Code:	CYPES	CYPES	CYPES
Stage Majority (leaves):	NA	3	4
Stage Min, Max:		3 3	3 6
Height Majority:		3 IN	3 IN
Height Min, Max:		1 4	1.5 5
Density, Unit:		2 FT2	1.5 FT2
Weed Code:	AMBTR	AMBTR	AMBTR
Stage Majority (leaves):	NA	COTY	COTY
Stage Min, Max:		COTY COTY	COTY 1
Height Majority:		0.75 IN	0.5 IN
Height Min, Max:		0.5 1	0.5 1
Density, Unit:		2.5 FT2	.001 FT2
Weed Code:	IPOHE	IPOHE	IPOHE
Stage Majority (leaves):	NA	COTY	COTY
Stage Min, Max:		COTY COTY	COTY 1
Height Majority:		0.5 IN	0.75 IN
Height Min, Max:		0.25 0.75	0.5 1
Density, Unit:		0.02 FT2	.001 FT2
Weed Code:	ABUTH	ABUTH	ABUTH
Stage Majority (leaves):	NA	COTY	1
Stage Min, Max:		COTY COTY	COTY 2
Height Majority:		0.5 IN	1 IN
Height Min, Max:		0.25 0.75	0.5 2
Density, Unit:		0.02 FT2	.001 FT2
Weed Code:	XANST	XANST	XANST
Stage Majority (leaves):	NA	COTY	3
Stage Min, Max:		COTY COTY	COTY 4
Height Majority:		0.5 IN	2 IN
Height Min, Max:		0.25 0.75	1 3
Density, Unit:		0.01 FT2	0.01 FT2

Application Equipment

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

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

Location: Belleville Res. Center

Pest Code		Crop Code		Rating Date		Rating Data Type		Rating Unit		Rating Timing		Trt-Eval Interval		ZEAMD		ZEAMD		ZEAMD		SETFA		SETFA		SETFA	
07-12-09		08-01-09		08-30-09		07-12-09		08-01-09		08-30-09		07-12-09		08-01-09		08-30-09		07-12-09		08-01-09		08-30-09		07-12-09	
Injury		Injury		Injury		Control		Control		Control		Percent		Percent		Percent		Percent		Percent		Percent		Percent	
10 DAE		30 DAE		60 DAP		10 DAE		30 DAE		60 DAP		10 DAE		30 DAE		60 DAP		10 DAE		30 DAE		60 DAP		10 DAE	
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 a		0 a		0 b		0 c		0 c					
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	PRE	A	1 ab		0 a		0 a		98 a		98 ab		97 ab					
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A																
3	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	PRE	A	1 ab		0 a		0 a		99 a		97 b		95 b					
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A																
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V1-2	B	3 a		0 a		0 a		99 a		99 a		98 a					
4	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B																
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1-2	B																
5	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	V1-2	B	0 b		0 a		0 a		98 a		98 ab		98 a					
5	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B																
6	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	0 b		0 a		0 a		99 a		98 ab		98 a					
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A																
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C																
6	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C																
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C																
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
7	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	0 b		0 a		0 a		98 a		99 a		98 a					
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A																
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C																
7	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C																
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C																
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
8	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	1 ab		0 a		0 a		98 a		99 a		99 a					
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A																
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C																
8	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C																
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
9	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	1 ab		0 a		0 a		98 a		98 ab		98 a					
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A																
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C																
9	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C																
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
10	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	0 b		0 a		0 a		99 a		99 a		98 a					
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A																
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C																
10	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C																
10	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C																
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
11	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	0 b		0 a		0 a		98 a		99 a		99 a					
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A																
11	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C																
11	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C																
11	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C																
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
12	DEGREE XTRA	4.04	CS	2.02	lb ai/a	22	qt/a	PRE	A	0 b		0 a		0 a		99 a		99 a		99 a					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3-4	C																
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C																
LSD (P=.05)										2.0		0.0		0.0		1.1		1.5		2.5					
Replicate F										0.723		0.000		0.000		0.799		1.803		1.085					
Replicate Prob(F)										0.4965		1.0000		1.0000		0.4625		0.1884		0.3555					
Treatment F										1.384		0.000		0.000		5355.146		3209.285		1115.440					
Treatment Prob(F)										0.2481		1.0000		1.0000		0.0001		0.0001		0.0001					

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

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

Location: Belleville Res. Center

								CYPES	CYPES	CYPES	AMBTR	AMBTR	AMBTR
Pest Code								07-12-09	08-01-09	08-30-09	07-12-09	08-01-09	08-30-09
Crop Code								Control	Control	Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type								10 DAE	30 DAE	60 DAP	10 DAE	30 DAE	60 DAP
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 e	0 e	0 e	0 e
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	PRE	A	93 a	87 bcd	80 bcd	95 a
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A				96 ab
3	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	PRE	A	90 abc	83 cd	72 d	96 ab
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A				84 d
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V1-2	B	93 a	92 ab	88 ab	96 a
4	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B				97 ab
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1-2	B				94 ab
5	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	V1-2	B	80 cd	82 d	76 cd	95 a
5	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B				94 bc
6	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	83 a-d	83 cd	86 abc	95 a
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				96 ab
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C				94 ab
6	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
7	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	78 d	87 bcd	86 abc	93 a
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				96 ab
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C				95 ab
7	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
8	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	90 abc	92 ab	86 abc	95 a
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				94 bc
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C				92 abc
8	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
9	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	82 bcd	90 abc	90 a	94 a
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				92 cd
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C				91 abc
9	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
10	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	94 a	93 ab	93 a	96 a
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				98 a
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C				96 a
10	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
10	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
11	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	84 a-d	92 ab	94 a	96 a
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				95 ab
11	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C				96 ab
11	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
11	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C				
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
12	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	91 ab	94 a	93 a	95 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3-4	C				90 d
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				89 bcd
LSD (P=.05)								10.8	7.6	10.2	4.2	3.2	6.4
Replicate F								0.554	0.935	1.813	3.060	0.537	0.247
Replicate Prob(F)								0.5827	0.4076	0.1866	0.0672	0.5921	0.7831
Treatment F								48.480	100.679	55.256	366.551	653.794	149.018
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

Location: Belleville Res. Center

								IPOHE	IPOHE	IPOHE	ABUTH	ABUTH	ABUTH
Pest Code								07-12-09	08-01-09	08-30-09	07-12-09	08-01-09	08-30-09
Crop Code								Control	Control	Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type								10 DAE	30 DAE	60 DAP	10 DAE	30 DAE	60 DAP
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 d	0 c	0 b
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	PRE	A	93 a-d	96 ab	92 b	99 a
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A				
3	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	PRE	A	96 ab	96 bc	93 ab	99 a
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A				
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V1-2	B	95 abc	97 ab	97 a	99 a
4	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1-2	B				
5	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	V1-2	B	97 a	98 ab	95 ab	99 a
5	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B				
6	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	92 b-e	99 a	96 ab	99 a
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C				
6	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
7	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	90 de	99 a	98 a	99 a
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C				
7	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
8	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	88 e	97 ab	95 ab	98 a
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C				
8	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
9	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	91 cde	93 c	94 ab	99 a
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C				
9	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
10	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	90 de	98 ab	96 ab	98 a
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C				
10	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
10	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
11	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	93 a-d	96 bc	94 ab	99 a
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
11	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C				
11	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C				
11	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C				
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
12	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	96 a	97 ab	96 ab	98 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3-4	C				
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C				
LSD (P=.05)								4.2	3.2	5.2	1.4	2.1	1.9
Replicate F								5.232	1.318	1.773	0.906	5.940	3.233
Replicate Prob(F)								0.0138	0.2881	0.1932	0.4187	0.0087	0.0588
Treatment F								358.938	649.261	240.228	3785.177	1597.300	2028.195
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

Location: Belleville Res. Center

Pest Code		XANST	XANST	XANST
Crop Code				
Rating Date		07-12-09	08-01-09	08-30-09
Rating Data Type		Control	Control	Control
Rating Unit		Percent	Percent	Percent
Rating Timing		10 DAE	30 DAE	60 DAP
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 b	0 c
2	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	PRE	A	98 a	98 a	97 a
2	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A			
3	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	PRE	A	97 a	97 a	92 b
3	AATREX	4	SC	1.5	lb ai/a	3	pt/a	PRE	A			
4	CORVUS	2.62	SC	0.115	lb ai/a	5.6	fl oz/a	V1-2	B	98 a	98 a	98 a
4	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B			
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V1-2	B			
5	BALANCE FLEXX	2	SC	0.094	lb ai/a	6	fl oz/a	V1-2	B	98 a	98 a	98 a
5	AATREX	4	SC	1	lb ai/a	2	pt/a	V1-2	B			
6	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	96 a	98 a	98 a
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C			
6	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C			
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C			
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
7	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	98 a	98 a	98 a
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	V3-4	C			
7	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C			
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	V3-4	C			
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
8	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	98 a	98 a	96 ab
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C			
8	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C			
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
9	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	98 a	99 a	98 a
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	V3-4	C			
9	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3-4	C			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
10	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	98 a	97 a	98 a
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C			
10	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C			
10	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C			
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
11	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	98 a	98 a	98 a
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	PRE	A			
11	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3-4	C			
11	AATREX	4	SC	1	lb ai/a	2	pt/a	V3-4	C			
11	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V3-4	C			
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
12	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	98 a	98 a	98 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3-4	C			
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V3-4	C			
LSD (P=.05)										2.6	3.6	3.4
Replicate F										9.533	1.609	3.640
Replicate Prob(F)										0.0010	0.2227	0.0431
Treatment F										1001.019	516.653	570.662
Treatment Prob(F)										0.0001	0.0001	0.0001

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

Bayer PRE plus POST Herbicides in Corn.

Trial ID: 09-50E-N60

Location: Belleville Res. Center

Trial Comments

1. Protocol: Bayer (JJA-2).
2. Ratings: CI/WC at 10, 30 + 60 DAE.
3. Estimate percent ground cover of each weed species at each application and evaluation timing.
4. On 7-7-09 at V1-2 application, percent ground cover for SETFA, CYPES, AMBTR, IPOHE, ABUTH, and XANST was 0, 15, 30, 1, 1, and 1, respectively.
On 7-12-09 at 10 DAE, percent ground cover for SETFA, CYPES, AMBTR, IPOHE, ABUTH, and XANST was 3, 20, 15, 8, 3, and 2, respectively.
On 7-16-09 at V3-4 application, percent ground cover for SETFA, CYPES, AMBTR, IPOHE, ABUTH, and XANST was 4, 20, 20, 8, 4, and 3, respectively.
On 8-1-09 at 30 DAE, percent ground cover for SETFA, CYPES, AMBTR, IPOHE, ABUTH, and XANST was 5, 15, 30, 8, 5, and 5, respectively.
On 8-30-09 at 60 DAE, percent ground cover for SETFA, CYPES, AMBTR, IPOHE, ABUTH, and XANST was 5, 15, 35, 10, 5, and 5, respectively.
5. Not harvested.