

Northeast Research & Extension Center

2009 Corvus Balance Flexx, Capreno, Ignite, Laudis / Corn / weed control / University

Trial ID: 09 CRLL-5 Bayer PRE herb	Protocol ID: 09 CRLL-5 Bayer PRE herb
Location: Concord, NE	Study Director:
Project ID:	Investigator: Stevan Knezevic
	Sponsor Contact:

General Trial Information

Investigator: Stevan Knezevic

Trial Status: F one-year/final

Trial Location

City: Concord
 State/Prov.: NE
 Postal Code: 68728
 Country: USA

Personnel

Investigator: Stevan Knezevic

Crop Description

Crop 1: ZEAMX Zea mays Corn	Description: RLL
Variety: Pioneer 35F40	Planting Date: 05-18-09
BBCH Scale: BCOR	Rate, Unit: 24503 s/a
Planting Method: SEEDED seeded	
Depth, Unit: 2 in	
Row Spacing, Unit: 30 in	
Harvest Date: 11-12-09	Harvest Equipment: Almaco SP40
Harvested Width, Unit: 5 ft	Harvested Length, Unit: 28 ft
% Standard Moisture: 15.5	Moisture Meter: almaco
Weighing Equipment: almaco	

Pest Description

Pest 1 Type: W Code: SETVI Setaria viridis
 Common Name: Green foxtail

Pest 2 Type: W Code: ABUTH Abutilon theophrasti
 Common Name: Velvetleaf

Pest 3 Type: W Code: AMATU Amaranthus tuberculatus
 Common Name: Tall waterhemp

Site and Design

Plot Width, Unit: 10 FT Site Type: FIELD field
 Plot Length, Unit: 30 FT
 Plot Area, Unit: 300 FT2 Tillage Type: MINTIL minimum-till
 Replications: 3 Study Design: RACOB� Randomized Complete Block (RCB)

Trial Initiation Comments:

Trial was field cultivated 5-17-09 one time with rolling basket

Soil Description

% Sand: 10 % OM: 4.6 Texture: SICL silty clay loam
 % Silt: 56 pH: 6.2
 % Clay: 34 CEC: 25.3 Fert. Level: F fair

Analyzed By:

Midwest Labs

Application Description

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	A	B	C
Application Date:	05-19-09	06-05-09	06-17-09
Time of Day:	7:40 am	9:00 am	3:30 pm
Application Method:	spray	spray	spray
Application Timing:	PRE	V2 corn	V4 corn
Application Placement:	surface	foliar	foliar
Applied By:	js	js	rr
Air Temperature, Unit:	70 F	75 F	89 F
% Relative Humidity:	74	35	60
Wind Velocity, Unit:	2 mph	1 mph	4 mph
Wind Direction:	N	var	S
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	63 F	70 F	70 F
Soil Moisture:	adequate	dry	wet
% Cloud Cover:	15	30	50
Next Rain Occurred On:			06-17-09

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		DESC	DESC
Stage Majority, Percent:		V3 80	V5 80
Stage Minimum, Percent:		V2 20	V4 20
Height, Unit:		4 in	8 in

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	SETVI W	SETVI W	SETVI W
Height, Unit:		1.5 in	3.5 in
Height Minimum, Maximum:		1 2	3 4
Density, Unit:		20 m2	20 m2
Pest 2 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Height, Unit:		1.5 in	5 in
Height Minimum, Maximum:		1 2	4 6
Density, Unit:		10 m2	10 m2
Pest 3 Code, Type, Scale:	AMATU W	AMATU W	AMATU W
Height, Unit:		1.5 in	3.5 in
Height Minimum, Maximum:		1 2	3 4
Density, Unit:		5 m2	5 m2

Application Equipment

	A	B	C
Appl. Equipment:	backpack	backpack	BACKPACK
Operating Pressure, Unit:	20 psi	20 psi	40 PSI
Nozzle Type:	Turbo Tee	Turbo Tee	TURBO TEE
Nozzle Size:	11003	11003	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	12 IN	12 IN	12 IN
Ground Speed, Unit:	2.7 MPH	2.7 MPH	2.7 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA
Mix Size, Unit:	1.8 Liters	1.8 Liters	1.8 Liters
Propellant:	co2	co2	co2

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2009 Corvus Balance Flexx, Capreno, Ignite, Laudis / Corn / weed control / University

Trial ID: 09 CRRL-5 Bayer PRE herb Protocol ID: 09 CRRL-5 Bayer PRE herb
 Location: Concord, NE Study Director:
 Project ID: Investigator: Stevan Knezevic
 Sponsor Contact:

Description						Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	Green foxtail
Rating Date						11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-02-09	06-02-09	06-17-09
Rating Type						Yield@15.5%	Moisture	Crop Injury	Crop Injury	Crop Injury	Crop Injury	Control	Control
Rating Unit						bu/A	%	Percent	Percent	Percent	Percent	Percent	Percent
Days After First/Last Applic.						177 148	177 148	14 14	29 12	37 8	44 15	14 14	29 12
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7	8
1	Corvus atrazine	5.6 oz/a 2 pt/a		PRE PRE	A A	169.820 c	16.737 a	0.0 a	0.0 a	0.0 d	0.0 b	80.0 ab	83.3 b
2	Balance Flexx atrazine	6 oz/a 2 pt/a		PRE PRE	A A	181.133 abc	16.710 a	0.0 a	0.0 a	0.0 d	0.0 b	69.0 ab	85.3 ab
3	Corvus atrazine NIS	5.6 oz/a 2 pt/a 0.25 % v/v		V2 corn V2 corn V2 corn	B B B	175.100 bc	17.060 a		0.0 a	0.0 d	0.0 b		98.7 a
4	Balance Flexx atrazine NIS	6 oz/a 2 pt/a 0.25 % v/v		V2 corn V2 corn V2 corn	B B B	191.767 ab	17.003 a		0.0 a	0.0 d	0.0 b		98.7 a
5	Capreno atrazine COC AMS	3 oz/a 2 pt/a 1 % v/v 1.5 lb/a		V2 corn V2 corn V2 corn V2 corn	B B B B	193.487 a	16.977 a		0.0 a	2.7 c	0.0 b		99.7 a
6	Corvus Laudis atrazine MSO AMS	3 oz/a 3 oz/a 2 pt/a 1 % v/v 1.5 lb/a		PRE V4 corn V4 corn V4 corn V4 corn	A C C C C	190.060 ab	16.827 a	0.0 a	0.0 a	0.0 d	1.3 b	83.3 a	76.7 bc
7	Balance Flexx Laudis atrazine MSO AMS	3 oz/a 3 oz/a 2 pt/a 1 % v/v 1.5 lb/a		PRE V4 corn V4 corn V4 corn V4 corn	A C C C C	187.070 ab	17.173 a	0.0 a	0.0 a	0.0 d	0.0 b	83.3 a	66.7 cd
8	Corvus Ignite 280 Laudis AMS	3 oz/a 22 oz/a 2 oz/a 1.5 lb/a		PRE V4 corn V4 corn V4 corn	A C C C	188.217 ab	17.120 a	0.0 a	0.0 a	0.0 d	0.0 b	75.0 ab	60.0 de
9	Balance Flexx Ignite 280 Laudis AMS	3 oz/a 22 oz/a 2 oz/a 1.5 lb/a		PRE V4 corn V4 corn V4 corn	A C C C	186.433 abc	16.770 a	0.0 a	0.0 a	0.0 d	0.0 b	66.7 b	56.7 de
10	Corvus Capreno atrazine COC AMS	3 oz/a 3 oz/a 2 pt/a 1 % v/v 1.5 lb/a		PRE V4 corn V4 corn V4 corn V4 corn	A C C C C	182.777 abc	16.787 a	0.0 a	0.0 a	7.3 a	4.3 a	75.0 ab	58.3 de
11	Balance Flexx Capreno atrazine COC AMS	3 oz/a 3 oz/a 2 pt/a 1 % v/v 1.5 lb/a		PRE V4 corn V4 corn V4 corn V4 corn	A C C C C	188.393 ab	16.570 a	0.0 a	0.0 a	5.3 b	1.3 b	66.7 b	46.7 e

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Description	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	Green foxtail				
Rating Date	11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-02-09	06-02-09	06-17-09				
Rating Type	Yield@15.5%	Moisture	Crop Injury	Crop Injury	Crop Injury	Crop Injury	Control	Control				
Rating Unit	bu/A	%	Percent	Percent	Percent	Percent	Percent	Percent				
Days After First/Last Applic.	177 148	177 148	14 14	29 12	37 8	44 15	14 14	29 12				
Trt-Eval Interval												
Trt Treatment	Rate	Growth	Appl									
No. Name	Rate	Unit	Stage	Code	1	2	3	4	5	6	7	8
12 Nontreated Check					134.353 d	17.100 a	0.0 a	0.0 a	0.0 d	0.0 b	0.0 c	0.0 f
LSD (P=.05)	16.8682	0.6359	0.00	0.00	1.93	1.41	16.15	14.56				
Standard Deviation	9.9611	0.3755	0.00	0.00	1.14	0.83	9.33	8.60				
CV	5.51	2.22	0.0	0.0	88.99	143.12	14.01	12.42				
Grand Mean	180.72	16.9	0.0	0.0	1.28	0.58	66.56	69.22				
Bartlett's X2	7.081	13.244	0.0	0.0	3.936	1.337	7.333	22.088				
P(Bartlett's X2)	0.792	0.278	.	.	0.14	0.513	0.395	0.015*				
Replicate F	3.253	0.353	0.000	0.000	1.375	0.478	5.176	0.672				
Replicate Prob(F)	0.0579	0.7066	1.0000	1.0000	0.2737	0.6262	0.0185	0.5209				
Treatment F	7.875	0.798	0.000	0.000	14.711	7.141	22.940	32.606				
Treatment Prob(F)	0.0001	0.6410	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001				

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.

Description						Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp
Rating Date						07-02-09	08-11-09	06-02-09	06-17-09	06-25-09	06-25-09	07-02-09	08-11-09
Rating Type						Control	Control	Control	Control	Control	Density	Control	Control
Rating Unit						Percent	Percent	Percent	Percent	Percent	m2 RunCH	Percent	Percent
Days After First/Last Applic.						44 15	84 55	14 14	29 12	37 8	37 8	44 15	84 55
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	17	18	19	20	21	22	23	24
1	Corvus atrazine	5.6	oz/a	PRE	A	92.0 b	89.7 b	100.0 a	98.3 a	88.0 b	11.7 a	81.7 b	88.0 b
2	Balance Flexx atrazine	6	oz/a	PRE	A		96.0 ab	100.0 a	98.3 a	95.0 a	15.0 a	94.0 a	92.7 ab
3	Corvus atrazine NIS	5.6	oz/a	V2 corn	B	99.0 a	99.0 a		100.0 a	99.0 a	11.7 a	99.0 a	99.0 a
4	Balance Flexx atrazine NIS	6	oz/a	V2 corn	B	99.0 a	99.0 a		100.0 a	99.0 a	18.3 a	98.7 a	99.0 a
5	Capreno atrazine COC AMS	3	oz/a	V2 corn	B	99.0 a	97.7 a		100.0 a	99.0 a	11.7 a	98.7 a	95.7 ab
6	Corvus Laudis atrazine MSO AMS	3	oz/a	PRE	A	99.0 a	99.0 a	97.3 ab	89.0 b	99.0 a	10.3 a	99.0 a	99.0 a
7	Balance Flexx Laudis atrazine MSO AMS	3	oz/a	PRE	A	99.0 a	99.0 a	99.7 ab	89.0 b	99.0 a	9.3 a	99.0 a	99.0 a
8	Corvus Ignite 280 Laudis AMS	3	oz/a	PRE	A	99.0 a	99.0 a	97.7 ab	76.7 d	99.0 a	13.0 a	99.0 a	99.0 a
9	Balance Flexx Ignite 280 Laudis AMS	3	oz/a	PRE	A	99.0 a	99.0 a	95.0 b	80.0 cd	99.0 a	12.0 a	99.0 a	99.0 a
10	Corvus Capreno atrazine COC AMS	3	oz/a	PRE	A	99.0 a	99.0 a	97.7 ab	86.7 bc	99.0 a	10.7 a	99.0 a	99.0 a
11	Balance Flexx Capreno atrazine COC AMS	3	oz/a	PRE	A	99.0 a	99.0 a	96.7 ab	86.7 bc	99.0 a	7.3 a	99.0 a	99.0 a

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Description	Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp				
Rating Date	07-02-09	08-11-09	06-02-09	06-17-09	06-25-09	06-25-09	06-25-09	07-02-09	08-11-09				
Rating Type	Control	Control	Control	Control	Control	Density	Control	Control	Control				
Rating Unit	Percent	Percent	Percent	Percent	Percent	m2 RunCH	Percent	Percent	Percent				
Days After First/Last Applic.	44 15	84 55	14 14	29 12	37 8	37 8	44 15	84 55					
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Growth Unit	Appl Stage	Code	17	18	19	20	21	22	23	24
12	Nontreated Check					0.0 c	0.0 c	0.0 c	0.0 e	0.0 c	0.0 a	0.0 c	0.0 c
	LSD (P=.05)	3.82	6.72	4.69	8.55	6.81	10.10	6.56	9.55				
	Standard Deviation	2.22	3.97	2.70	5.05	4.02	5.96	3.88	5.64				
	CV	2.49	4.43	3.1	6.03	4.49	54.62	4.36	6.34				
	Grand Mean	89.36	89.61	87.11	83.72	89.5	10.92	88.83	89.03				
	Bartlett's X2	0.0	4.795	6.2	13.146	0.866	8.912	15.967	7.418				
	P(Bartlett's X2)	.	0.091	0.287	0.069	0.352	0.54	0.001*	0.024*				
	Replicate F	0.900	1.570	1.115	1.231	0.392	3.167	0.316	0.588				
	Replicate Prob(F)	0.4241	0.2304	0.3536	0.3114	0.6803	0.0619	0.7322	0.5642				
	Treatment F	535.118	153.338	441.248	89.559	149.522	1.640	161.325	75.262				
	Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.1556	0.0001	0.0001				

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Trial ID: 09 CRRL-5 Bayer PRE herb	Protocol ID: 09 CRRL-5 Bayer PRE herb
Location: Concord, NE	Study Director:
Project ID:	Investigator: Stevan Knezevic
	Sponsor Contact:

Rating Unit

% = percent

Percent = percent

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2009 Corvus Balance Flexx, Capreno, Ignite, Laudis / Corn / weed control / University

Trial ID: 09 CRRL-5 Bayer PRE herb Protocol ID: 09 CRRL-5 Bayer PRE herb
 Location: Concord, NE Study Director:
 Project ID: Investigator: Stevan Knezevic
 Sponsor Contact:

Description						Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	Green foxtail
Rating Date						11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-02-09	06-02-09	06-17-09
Rating Type						Yield@15.5%	Moisture	Crop Injury	Crop Injury	Crop Injury	Crop Injury	Control	Control
Rating Unit						bu/A	%	Percent	Percent	Percent	Percent	Percent	Percent
Days After First/Last Applic.						177 148	177 148	14 14	29 12	37 8	44 15	14 14	29 12
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Growth Stage	Appl Code	Plot	1	2	3	4	5	6	7	8
1	Corvus	5.6 oz/a	PRE	A	101	173.370	16.350	0.0	0.0	0.0	0.0	90.0	80.0
	atrazine	2 pt/a	PRE	A	205	176.040	17.190	0.0	0.0	0.0	0.0	70.0	80.0
					312	160.050	16.670	0.0	0.0	0.0	0.0	80.0	90.0
					Mean =	169.820	16.737	0.0	0.0	0.0	0.0	80.0	83.3
2	Balance Flexx	6 oz/a	PRE	A	102	188.030	16.700	0.0	0.0	0.0	0.0	97.0	96.0
	atrazine	2 pt/a	PRE	A	201	182.680	16.990	0.0	0.0	0.0	0.0	60.0	75.0
					304	172.690	16.440	0.0	0.0	0.0	0.0	50.0	85.0
					Mean =	181.133	16.710	0.0	0.0	0.0	0.0	69.0	85.3
3	Corvus	5.6 oz/a	V2 corn	B	103	187.020	17.030		0.0	0.0	0.0		98.0
	atrazine	2 pt/a	V2 corn	B	207	165.300	17.220		0.0	0.0	0.0		100.0
	NIS	0.25 % v/v	V2 corn	B	309	172.980	16.930		0.0	0.0	0.0		98.0
					Mean =	175.100	17.060	.	0.0	0.0	0.0	.	98.7
4	Balance Flexx	6 oz/a	V2 corn	B	104	205.550	17.300		0.0	0.0	0.0		98.0
	atrazine	2 pt/a	V2 corn	B	209	180.270	17.020		0.0	0.0	0.0		98.0
	NIS	0.25 % v/v	V2 corn	B	302	189.480	16.690		0.0	0.0	0.0		100.0
					Mean =	191.767	17.003	.	0.0	0.0	0.0	.	98.7
5	Capreno	3 oz/a	V2 corn	B	105	197.420	17.130		0.0	0.0	0.0		99.0
	atrazine	2 pt/a	V2 corn	B	203	197.590	16.850		0.0	5.0	0.0		100.0
	COC	1 % v/v	V2 corn	B	305	185.450	16.950		0.0	3.0	0.0		100.0
	AMS	1.5 lb/a	V2 corn	B									
					Mean =	193.487	16.977	.	0.0	2.7	0.0	.	99.7
6	Corvus	3 oz/a	PRE	A	106	200.530	17.150	0.0	0.0	0.0	0.0	80.0	65.0
	Laudis	3 oz/a	V4 corn	C	210	182.910	16.590	0.0	0.0	0.0	0.0	90.0	90.0
	atrazine	2 pt/a	V4 corn	C	311	186.740	16.740	0.0	0.0	0.0	4.0	80.0	75.0
	MSO	1 % v/v	V4 corn	C									
	AMS	1.5 lb/a	V4 corn	C									
					Mean =	190.060	16.827	0.0	0.0	0.0	1.3	83.3	76.7
7	Balance Flexx	3 oz/a	PRE	A	107	181.540	17.140	0.0	0.0	0.0	0.0	90.0	60.0
	Laudis	3 oz/a	V4 corn	C	211	189.200	16.980	0.0	0.0	0.0	0.0	85.0	60.0
	atrazine	2 pt/a	V4 corn	C	307	190.470	17.400	0.0	0.0	0.0	0.0	75.0	80.0
	MSO	1 % v/v	V4 corn	C									
	AMS	1.5 lb/a	V4 corn	C									
					Mean =	187.070	17.173	0.0	0.0	0.0	0.0	83.3	66.7
8	Corvus	3 oz/a	PRE	A	108	180.140	17.180	0.0	0.0	0.0	0.0	80.0	60.0
	Ignite 280	22 oz/a	V4 corn	C	204	199.780	17.300	0.0	0.0	0.0	0.0	65.0	50.0
	Laudis	2 oz/a	V4 corn	C	310	184.730	16.880	0.0	0.0	0.0	0.0	80.0	70.0
	AMS	1.5 lb/a	V4 corn	C									
					Mean =	188.217	17.120	0.0	0.0	0.0	0.0	75.0	60.0

Description						Green foxtail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	
Rating Date						06-25-09	06-25-09	07-02-09	08-11-09	06-02-09	06-17-09	06-25-09	06-25-09	
Rating Type						Control	Density	Control	Control	Control	Control	Control	Density	
Rating Unit						Percent	m2 RunCH	Percent	Percent	Percent	Percent	Percent	m2 RunCH	
Days After First/Last Applic.						37 8	37 8	44 15	84 55	14 14	29 12	37 8	37 8	
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	9	10	11	12	13	14	15	16
1	Corvus	5.6	oz/a	PRE	A	101	85.0	30.0	85.0	85.0	100.0	90.0		
	atrazine	2	pt/a	PRE	A	205	80.0	30.0	70.0	75.0	100.0	100.0	99.0	1.0
						312	70.0	60.0	75.0	75.0	95.0	92.0	60.0	2.0
						Mean =	78.3	40.0	76.7	78.3	98.3	94.0	79.5	1.5
2	Balance Flexx	6	oz/a	PRE	A	102	96.0	30.0	95.0	90.0	100.0	100.0		
	atrazine	2	pt/a	PRE	A	201	70.0	30.0	75.0	80.0		80.0		
						304	75.0	50.0	80.0	90.0	100.0	85.0		
						Mean =	80.3	36.7	83.3	86.7	100.0	88.3		
3	Corvus	5.6	oz/a	V2 corn	B	103	99.0	30.0	97.0	95.0		100.0	99.0	3.0
	atrazine	2	pt/a	V2 corn	B	207	98.0	20.0	95.0	92.0		100.0	99.0	2.0
	NIS	0.25	% v/v	V2 corn	B	309	98.0	40.0	96.0	90.0		100.0	99.0	1.0
						Mean =	98.3	30.0	96.0	92.3		100.0	99.0	2.0
4	Balance Flexx	6	oz/a	V2 corn	B	104	98.0	25.0	97.0	99.0		100.0	99.0	1.0
	atrazine	2	pt/a	V2 corn	B	209	98.0	25.0	96.0	90.0		100.0	99.0	4.0
	NIS	0.25	% v/v	V2 corn	B	302	99.0	20.0	98.0	99.0		100.0	99.0	
						Mean =	98.3	23.3	97.0	96.0		100.0	99.0	2.5
5	Capreno	3	oz/a	V2 corn	B	105	99.0	25.0	98.0	95.0		100.0	99.0	1.0
	atrazine	2	pt/a	V2 corn	B	203	99.0	25.0	98.0	95.0		100.0	99.0	1.0
	COC	1	% v/v	V2 corn	B	305	98.0	40.0	96.0	92.0		100.0	99.0	1.0
	AMS	1.5	lb/a	V2 corn	B									
					Mean =	98.7	30.0	97.3	94.0		100.0	99.0	1.0	
6	Corvus	3	oz/a	PRE	A	106	99.0	25.0	99.0	99.0	100.0	90.0	99.0	1.0
	Laudis	3	oz/a	V4 corn	C	210	99.0	25.0	98.0	99.0	95.0	65.0	99.0	5.0
	atrazine	2	pt/a	V4 corn	C	311	99.0	20.0	99.0	99.0	80.0	50.0	99.0	3.0
	MSO	1	% v/v	V4 corn	C									
	AMS	1.5	lb/a	V4 corn	C									
					Mean =	99.0	23.3	98.7	99.0	91.7	68.3	99.0	3.0	
7	Balance Flexx	3	oz/a	PRE	A	107	99.0	30.0	99.0	99.0	100.0	85.0	99.0	2.0
	Laudis	3	oz/a	V4 corn	C	211	99.0	30.0	99.0	99.0	95.0	50.0	99.0	3.0
	atrazine	2	pt/a	V4 corn	C	307	99.0	30.0	99.0	99.0	90.0	85.0	99.0	2.0
	MSO	1	% v/v	V4 corn	C									
	AMS	1.5	lb/a	V4 corn	C									
					Mean =	99.0	30.0	99.0	99.0	95.0	73.3	99.0	2.3	
8	Corvus	3	oz/a	PRE	A	108	99.0	30.0	99.0	99.0	70.0	70.0	99.0	2.0
	Ignite 280	22	oz/a	V4 corn	C	204	99.0	40.0	99.0	99.0	100.0	60.0	99.0	1.0
	Laudis	2	oz/a	V4 corn	C	310	99.0	25.0	99.0	99.0	95.0	55.0	99.0	4.0
	AMS	1.5	lb/a	V4 corn	C									
					Mean =	99.0	31.7	99.0	99.0	88.3	61.7	99.0	2.3	

Description						Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp	Waterhemp	
Rating Date						07-02-09	08-11-09	06-02-09	06-17-09	06-25-09	06-25-09	07-02-09	08-11-09	
Rating Type						Control	Control	Control	Control	Control	Density	Control	Control	
Rating Unit						Percent	Percent	Percent	Percent	Percent	m2 RunCH	Percent	Percent	
Days After First/Last Applic.						44 15	84 55	14 14	29 12	37 8	37 8	44 15	84 55	
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	17	18	19	20	21	22	23	24
1	Corvus	5.6	oz/a	PRE	A	101		99.0	100.0	100.0	75.0	10.0	85.0	99.0
	atrazine	2	pt/a	PRE	A	205	99.0	95.0	100.0	97.0	90.0	20.0	70.0	70.0
						312	85.0	75.0	100.0	98.0	99.0	5.0	90.0	95.0
						Mean =	92.0	89.7	100.0	98.3	88.0	11.7	81.7	88.0
2	Balance Flexx	6	oz/a	PRE	A	102		99.0	100.0	100.0	98.0	10.0	99.0	99.0
	atrazine	2	pt/a	PRE	A	201		99.0		100.0	99.0	15.0	98.0	99.0
						304		90.0	100.0	95.0	88.0	20.0	85.0	80.0
						Mean =		96.0	100.0	98.3	95.0	15.0	94.0	92.7
3	Corvus	5.6	oz/a	V2 corn	B	103	99.0	99.0		100.0	99.0	25.0	99.0	99.0
	atrazine	2	pt/a	V2 corn	B	207	99.0	99.0		100.0	99.0	5.0	99.0	99.0
	NIS	0.25	% v/v	V2 corn	B	309	99.0	99.0		100.0	99.0	5.0	99.0	99.0
						Mean =	99.0	99.0		100.0	99.0	11.7	99.0	99.0
4	Balance Flexx	6	oz/a	V2 corn	B	104	99.0	99.0		100.0	99.0	20.0	98.0	99.0
	atrazine	2	pt/a	V2 corn	B	209	99.0	99.0		100.0	99.0	20.0	99.0	99.0
	NIS	0.25	% v/v	V2 corn	B	302	99.0	99.0		100.0	99.0	15.0	99.0	99.0
						Mean =	99.0	99.0		100.0	99.0	18.3	98.7	99.0
5	Capreno	3	oz/a	V2 corn	B	105	99.0	99.0		100.0	99.0	10.0	99.0	95.0
	atrazine	2	pt/a	V2 corn	B	203	99.0	95.0		100.0	99.0	10.0	99.0	95.0
	COC	1	% v/v	V2 corn	B	305	99.0	99.0		100.0	99.0	15.0	98.0	97.0
	AMS	1.5	lb/a	V2 corn	B									
					Mean =	99.0	97.7		100.0	99.0	11.7	98.7	95.7	
6	Corvus	3	oz/a	PRE	A	106	99.0	99.0	97.0	85.0	99.0	10.0	99.0	99.0
	Laudis	3	oz/a	V4 corn	C	210	99.0	99.0	95.0	90.0	99.0	15.0	99.0	99.0
	atrazine	2	pt/a	V4 corn	C	311	99.0	99.0	100.0	92.0	99.0	6.0	99.0	99.0
	MSO	1	% v/v	V4 corn	C									
	AMS	1.5	lb/a	V4 corn	C									
					Mean =	99.0	99.0	97.3	89.0	99.0	10.3	99.0	99.0	
7	Balance Flexx	3	oz/a	PRE	A	107	99.0	99.0	100.0	85.0	99.0	8.0	99.0	99.0
	Laudis	3	oz/a	V4 corn	C	211	99.0	99.0	99.0	90.0	99.0	15.0	99.0	99.0
	atrazine	2	pt/a	V4 corn	C	307	99.0	99.0	100.0	92.0	99.0	5.0	99.0	99.0
	MSO	1	% v/v	V4 corn	C									
	AMS	1.5	lb/a	V4 corn	C									
					Mean =	99.0	99.0	99.7	89.0	99.0	9.3	99.0	99.0	
8	Corvus	3	oz/a	PRE	A	108	99.0	99.0	93.0	75.0	99.0	8.0	99.0	99.0
	Ignite 280	22	oz/a	V4 corn	C	204	99.0	99.0	100.0	65.0	99.0	25.0	99.0	99.0
	Laudis	2	oz/a	V4 corn	C	310	99.0	99.0	100.0	90.0	99.0	6.0	99.0	99.0
	AMS	1.5	lb/a	V4 corn	C									
					Mean =	99.0	99.0	97.7	76.7	99.0	13.0	99.0	99.0	

Northeast Research & Extension Center

2009 Corvus Balance Flexx, Capreno, Ignite, Laudis / Corn / weed control / University

Trial ID: 09 CRRL-5 Bayer PRE herb Protocol ID: 09 CRRL-5 Bayer PRE herb
Location: Concord, NE Study Director:
Project ID: Investigator: Stevan Knezevic
Sponsor Contact:

Rating Unit

% = percent

Percent = percent