

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

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: Evaluate crop tolerance and weed control from postemergence applications of Capreno and Laudis.

Crop 1: ZEAMD Dent corn Variety: P33K44 Description: RR/LL
 Planting Method: SEEDDED 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: PANDI Panicum dichotomiflorum Michx. panicum, fall
 Pest 2 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf
 Pest 3 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf
 Pest 4 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 5 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2008

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

% OM: 1.6 Texture: SILT LOAM
 pH: 6.4 Soil Name: PIERRON
 CEC: 8 Fert. Level: P1: 92 LB/A, K: 365 LB/A

	Application Description		
	A	B	C
Application Date:	06-29-09	07-18-09	07-21-09
Time of Day:	21:30	8:45	13:45
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	4"W	6"W
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	NVH	NVH	NVH
Air Temperature, Unit:	72 F	66 F	74 F
% Relative Humidity:	80	92	90
Wind Velocity, Unit:	1 MPH	6 MPH	6 MPH
Wind Direction:	W	N	N
Dew Presence (Y/N):	N	N	N
Soil Moisture:	NORMAL	NORMAL	NORMAL
% Cloud Cover:	0	80	85

	06-29-09	07-18-09	07-21-09
Crop stage at application:	NA	V4	V4-V5
Height Min, Max (inch):		8 9	9 10

	Pest Stage At Each Application		
	06-29-09	07-18-09	07-21-09
Application Date:	06-29-09	07-18-09	07-21-09
Weed Code:	PANDI	PANDI	PANDI
Stage Majority (leaves):	NA	4	7
Stage Min, Max:		1 6	1 11
Height Majority:		4 IN	6 IN
Height Min, Max:		1 7	2 12
Density, Unit:		0.01 FT2	0.01 FT2
Weed Code:	IPOHE	IPOHE	IPOHE
Stage Majority (leaves):	NA	3	4
Stage Min, Max:		COTY 5	2 7
Height Majority:		3 IN	5.5 IN
Height Min, Max:		1.5 4	2 10
Density, Unit:		0.5 FT2	0.5 FT2
Weed Code:	ABUTH	ABUTH	ABUTH
Stage Majority (leaves):	NA	2	3
Stage Min, Max:		COTY 3	2 5
Height Majority:		3 IN	5 IN
Height Min, Max:		0.5 4	1 6
Density, Unit:		0.2 FT2	0.2 FT2
Weed Code:	AMBTR	AMBTR	AMBTR
Stage Majority (leaves):	NA	4	6
Stage Min, Max:		COTY 6	2 8
Height Majority:		4 IN	6 IN
Height Min, Max:		0.5 6	1.5 8
Density, Unit:		0.5 FT2	0.3 FT2
Weed Code:	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	4	6
Stage Min, Max:		3 8	4 10
Height Majority:		2.5 IN	5.5 IN
Height Min, Max:		1.5 4	2 6
Density, Unit:		4 FT2	4 FT2

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

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

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

ZEAMD ZEAMD ZEAMD ZEAMD
Injury Injury Injury Injury
Percent Percent Percent Percent
14 DA-B 28 DA-B 42 DA-B
14 DA-A 14 DA-C 28 DA-C 42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 a	0 b	0 a	0 a
2	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	0 a	0 b	0 a	0 a
2	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
2	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
2	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
2	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
3	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	0 a	0 b	0 a	0 a
3	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
3	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
3	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
3	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	6"W	C				
3	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
4	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		0 b	0 a	0 a
4	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
4	ROUNDUP POWERMAX	4.5	SL	0.775	lb ae/a	22	fl oz/a	6"W	C				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
5	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C		0 b	0 a	0 a
5	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	6"W	C				
5	SUPERB HC	100	SL	0.626	% v/v	0.75	pt/a	6"W	C				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
6	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		0 b	0 a	0 a
6	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
6	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6"W	C				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
7	HALEX GT	4.38	CS	3.94	lb ai/a	3.6	qt/a	4"W	B		0 b	0 a	0 a
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	4"W	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		4 a	0 a	0 a
8	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
9	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	B		1 b	0 a	0 a
9	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		4 a	0 a	0 a
10	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
10	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	4"W	B				
10	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	B		0 b	0 a	0 a
11	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
12	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	0 a	0 b	0 a	0 a
12	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
12	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				

LSD (P=.05)

0.0 1.1 0.0 0.0

Replicate F
Replicate Prob(F)
Treatment F
Treatment Prob(F)

0.000 3.477 0.000 0.000
1.0000 0.0487 1.0000 1.0000
0.000 15.400 0.000 0.000
1.0000 0.0001 1.0000 1.0000

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

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

Pest Code									PANDI	PANDI	PANDI	PANDI	
Crop Code													
Rating Date													
Rating Data Type									Control	Control	Control	Control	
Rating Unit									Percent	Percent	Percent	Percent	
Rating Timing									14 DA-B	14 DA-B	28 DA-B	42 DA-B	
Trt-Eval Interval									14 DA-A	14 DA-C	28 DA-C	42 DA-C	
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl				
No.	Name	Conc	Type	Unit	Unit	Rate	Rate	Stage	Code				
1	NONTREATED									0 b	0 e	0 d	0 d
2	BALANCE FLEXX	2	SC	0.0625	lb ai/a		4 fl oz/a	PRE	A	98 a	97 abc	99 a	99 a
2	ATRAZINE 4L	4	SC	0.5	lb ai/a		1 pt/a	PRE	A				
2	CAPRENO	3.45	SC	0.081	lb ai/a		3 fl oz/a	6"W	C				
2	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	6"W	C				
2	PRIME OIL COC	100	SL	1	% v/v		1 % v/v	6"W	C				
2	28% UAN	100	SL	1.5	qt/a		1.5 qt/a	6"W	C				
3	BALANCE FLEXX	2	SC	0.0625	lb ai/a		4 fl oz/a	PRE	A	97 a	98 ab	99 ab	99 a
3	ATRAZINE 4L	4	SC	0.5	lb ai/a		1 pt/a	PRE	A				
3	CAPRENO	3.45	SC	0.081	lb ai/a		3 fl oz/a	6"W	C				
3	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	6"W	C				
3	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	6"W	C				
3	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
4	CAPRENO	3.45	SC	0.054	lb ai/a		2 fl oz/a	6"W	C	99 a	99 a	98 a	
4	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	6"W	C				
4	ROUNDUP POWERMAX	4.5	SL	0.775	lb ae/a		22 fl oz/a	6"W	C				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
5	CAPRENO	3.45	SC	0.081	lb ai/a		3 fl oz/a	6"W	C	95 c	98 ab	98 a	
5	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	6"W	C				
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a		11 fl oz/a	6"W	C				
5	SUPERB HC	100	SL	0.626	% v/v	0.75	pt/a	6"W	C				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
6	CAPRENO	3.45	SC	0.054	lb ai/a		2 fl oz/a	6"W	C	98 ab	99 ab	98 a	
6	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	6"W	C				
6	IGNITE 280	2.34	EC	0.402	lb ai/a		22 fl oz/a	6"W	C				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
7	HALEX GT	4.38	CS	3.94	lb ai/a	3.6	qt/a	4"W	B	99 ab	99 a	98 a	
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	4"W	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	CAPRENO	3.45	SC	0.081	lb ai/a		3 fl oz/a	4"W	B	97 abc	99 a	98 a	
8	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v		1 % v/v	4"W	B				
8	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
9	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	B	97 abc	94 b	94 b	
9	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	4"W	B				
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
10	CAPRENO	3.45	SC	0.081	lb ai/a		3 fl oz/a	4"W	B	98 ab	99 a	99 a	
10	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	4"W	B				
10	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	4"W	B				
10	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a		3 fl oz/a	4"W	B	75 d	20 c	37 c	
11	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
12	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	98 a	96 bc	98 ab	98 a
12	CAPRENO	3.45	SC	0.081	lb ai/a		3 fl oz/a	6"W	C				
12	ATRAZINE 4L	4	SC	1	lb ai/a		2 pt/a	6"W	C				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
LSD (P=.05)									1.7	2.6	5.0	2.9	
Replicate F									1.444	1.286	0.688	1.985	
Replicate Prob(F)									0.3075	0.2964	0.5128	0.1612	
Treatment F									9561.778	1029.016	411.174	1041.338	
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	

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

Location: Belleville Res. Center

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 c	0 d	0 c	0 d
2	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	93 ab	99 a	99 a	98 ab
2	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
2	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
2	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
2	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
3	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	92 b	98 c	98 a	98 ab
3	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
3	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
3	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
3	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	6"W	C				
3	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
4	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	99 a	98 ab
4	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
4	ROUNDUP POWERMAX	4.5	SL	0.775	lb ae/a	22	fl oz/a	6"W	C				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
5	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C		98 bc	98 a	98 ab
5	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	6"W	C				
5	SUPERB HC	100	SL	0.626	% v/v	0.75	pt/a	6"W	C				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
6	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	98 a	98 abc
6	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
6	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6"W	C				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
7	HALEX GT	4.38	CS	3.94	lb ai/a	3.6	qt/a	4"W	B		99 ab	92 b	97 bc
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	4"W	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	96 c
8	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
9	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	B		99 a	99 a	97 bc
9	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	98 ab
10	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
10	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	4"W	B				
10	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
11	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
12	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	96 a	99 a	99 a	99 a
12	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
12	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				

3.6 0.6 1.2 1.7

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

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

									ABUTH	ABUTH	ABUTH	ABUTH	
Pest Code													
Crop Code													
Rating Date													
Rating Data Type									Control	Control	Control	Control	
Rating Unit									Percent	Percent	Percent	Percent	
Rating Timing									14 DA-B	14 DA-B	28 DA-B	42 DA-B	
Trt-Eval Interval									14 DA-A	14 DA-C	28 DA-C	42 DA-C	
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	0 c
2	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	94 a	98 b	99 a	99 a
2	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
2	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
2	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
2	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
3	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	97 a	99 a	99 a	99 a
3	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
3	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
3	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
3	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	6"W	C				
3	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
4	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 ab	99 a	98 b
4	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
4	ROUNDUP POWERMAX	4.5	SL	0.775	lb ae/a	22	fl oz/a	6"W	C				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
5	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C		99 a	99 a	99 a
5	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	6"W	C				
5	SUPERB HC	100	SL	0.626	% v/v	0.75	pt/a	6"W	C				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
6	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	99 b	99 ab
6	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
6	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6"W	C				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
7	HALEX GT	4.38	CS	3.94	lb ai/a	3.6	qt/a	4"W	B		99 a	99 a	99 a
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	4"W	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
8	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
9	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	B		99 a	99 a	99 a
9	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 ab
10	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
10	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	4"W	B				
10	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
11	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
12	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	98 a	99 a	99 a	99 a
12	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
12	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
LSD (P=.05)										4.7	0.4	0.3	0.5
Replicate F										0.284	0.000	1.000	0.300
Replicate Prob(F)										0.7626	1.0000	0.3840	0.7439
Treatment F										1245.075	40357.004	88156.009	26399.430
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

Pest Code		AMBTR	AMBTR	AMBTR	AMBTR
Crop Code					
Rating Date					
Rating Data Type		Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent
Rating Timing			14 DA-B	28 DA-B	42 DA-B
Trt-Eval Interval		14 DA-A	14 DA-C	28 DA-C	42 DA-C

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	0 b
2	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	98 a	99 a	99 a	99 a
2	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
2	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
2	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
2	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
3	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
3	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
3	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
3	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
3	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	6"W	C				
3	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
4	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	99 a	99 a
4	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
4	ROUNDUP POWERMAX	4.5	SL	0.775	lb ae/a	22	fl oz/a	6"W	C				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
5	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C		99 a	99 a	99 a
5	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	6"W	C				
5	SUPERB HC	100	SL	0.626	% v/v	0.75	pt/a	6"W	C				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
6	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	99 a	99 a
6	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
6	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6"W	C				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
7	HALEX GT	4.38	CS	3.94	lb ai/a	3.6	qt/a	4"W	B		99 a	98 b	99 a
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	4"W	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	98 a
8	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
9	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	B		99 a	99 a	99 a
9	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
10	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
10	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	4"W	B				
10	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
11	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
12	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a	99 ab	99 a
12	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
12	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				

LSD (P=.05)

1.1 0.4 0.6 0.7

Replicate F

Replicate Prob(F)

Treatment F

Treatment Prob(F)

2.455	0.478	0.579	0.155
0.1664	0.6262	0.5688	0.8574
23896.002	42136.133	16992.424	13633.508
0.0001	0.0001	0.0001	0.0001

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

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	14 DA-B	28 DA-B	42 DA-B	
Trt-Eval Interval	14 DA-A	14 DA-C	28 DA-C	42 DA-C

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 b	0 c
2	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
2	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
2	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
2	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
2	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
3	BALANCE FLEXX	2	SC	0.0625	lb ai/a	4	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
3	ATRAZINE 4L	4	SC	0.5	lb ai/a	1	pt/a	PRE	A				
3	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
3	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
3	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	6"W	C				
3	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				
4	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	99 a	99 a
4	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
4	ROUNDUP POWERMAX	4.5	SL	0.775	lb ae/a	22	fl oz/a	6"W	C				
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
5	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C		99 a	99 a	99 b
5	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
5	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	6"W	C				
5	SUPERB HC	100	SL	0.626	% v/v	0.75	pt/a	6"W	C				
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
6	CAPRENO	3.45	SC	0.054	lb ai/a	2	fl oz/a	6"W	C		99 a	99 a	99 a
6	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
6	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6"W	C				
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6"W	C				
7	HALEX GT	4.38	CS	3.94	lb ai/a	3.6	qt/a	4"W	B		99 a	99 a	99 a
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	4"W	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
8	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
9	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	B		99 b	99 a	99 a
9	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
10	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
10	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
10	DESTINY MSO	100	SL	0.5	% v/v	0.5	% v/v	4"W	B				
10	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	B		99 a	99 a	99 a
11	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	4"W	B				
12	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
12	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	6"W	C				
12	ATRAZINE 4L	4	SC	1	lb ai/a	2	pt/a	6"W	C				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	6"W	C				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	6"W	C				

LSD (P=.05)

Replicate F	0.000	1.000	0.000	1.000
Replicate Prob(F)	1.0000	0.3840	1.0000	0.3840
Treatment F	0.000	88156.009	0.000	88156.009
Treatment Prob(F)	1.0000	0.0001	1.0000	0.0001

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

Capreno and Laudis Programs in Corn.

Trial ID: 09-2C-MW60

Location: Belleville Res. Center

Trial Comments

1. Protocol: Bayer (DLL).
2. Ratings: CI/WC at 14, 28 + 42 DAT.
3. Target Fall panicum.
4. Not harvested.