

Laudis Deposition Aid Study.

Trial ID: 09-19B-N65

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: 05-22-09

Objectives: Evaluate various deposition aid adjuvants to determine their influence on the corn response or efficacy on weeds with Laudis applications.

Crop 1: ZEAMD Dent corn Variety: P33K44 Description: RR/LL
 Planting Method: SEEDED Planting Date: 05-22-09
 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: PANDI	Panicum dichotomiflorum Michx.	panicum, fall
Pest 3 Type: W	Code: AMBTR	Ambrosia trifida L.	ragweed, giant
Pest 4 Type: W	Code: AMATA	Amaranthus rudis Sauer	waterhemp, common
Pest 5 Type: W	Code: XANST	Xanthium strumarium L.	cocklebur, common
Pest 6 Type: W	Code: ABUTH	Abutilon theophrasti Medicus	velvetleaf

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 25 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 50 LB/A, K20 100 LB/A

% OM:	2.9	Texture:	SILT LOAM
pH:	6.2	Soil Name:	BETHALTO
CEC:	14	Fert. Level:	P1 79 LB/A, K 557 LB/A

Application Description

A
 Application Date: 06-12-09
 Time of Day: 16:15
 Application Method: Spray
 Application Timing: 4"W
 Application Placement: BROFOL
 Applied By: NVH
 Air Temperature, Unit: 72 F
 % Relative Humidity: 92
 Wind Velocity, Unit: 2 MPH
 Wind Direction: S
 Dew Presence (Y/N): N
 Soil Moisture: ABONOR
 % Cloud Cover: 90

06-12-09
 Crop stage at application: V3-4
 Height Min, Max (inch): 10 16

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	Pest Stage At Each Application
Application Date:	06-12-09
Weed Code:	SETFA
Stage Majority (leaves):	2
Stage Min, Max:	COTY 3
Height Majority:	4 IN
Height Min, Max:	1 6
Density, Unit:	25 FT2
Weed Code:	PANDI
Stage Majority (leaves):	2
Stage Min, Max:	1 4
Height Majority:	5 IN
Height Min, Max:	2 7
Density, Unit:	1 FT2
Weed Code:	AMBTR
Stage Majority (leaves):	3
Stage Min, Max:	1 6
Height Majority:	4 IN
Height Min, Max:	1 5
Density, Unit:	0.75 FT2
Weed Code:	AMATA
Stage Majority (leaves):	2
Stage Min, Max:	COTY 4
Height Majority:	2 IN
Height Min, Max:	0.5 3
Density, Unit:	3 FT2
Weed Code:	XANST
Stage Majority (leaves):	3
Stage Min, Max:	2 5
Height Majority:	4 IN
Height Min, Max:	2 6
Density, Unit:	0.25 FT2
Weed Code:	ABUTH
Stage Majority (leaves):	2
Stage Min, Max:	COTY 3
Height Majority:	1.5 IN
Height Min, Max:	1 2.5
Density, Unit:	0.75 FT2

Application Equipment

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

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									SETFA		
Pest Code									ZEAMD	ZEAMD	ZEAMD
Crop Code									06-26-09	07-10-09	07-24-09
Rating Date									Injury	Injury	Injury
Rating Data Type									Percent	Percent	Percent
Rating Unit									Control	Control	Control
Rating Timing									Percent	Percent	Percent
Trt-Eval Interval									14 DA-A	28 DA-A	42 DA-A
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl			
No.	Name	Conc	Type	Unit	Rate	Rate Unit	Stage	Code			
1	NONTREATED								0 a	0 a	0 a
2	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
2	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		87 b	72 d	68 c
2	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
2	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
3	IMPACT	2.8	SC	0.0164 lb ai/a	0.75 fl oz/a	4"W	A		0 a	0 a	0 a
3	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		97 a	97 a	97 a
3	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
3	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
4	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
4	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		97 a	78 cd	78 bc
4	MSO CONCENTRATE	100	SL	0.5 % v/v	0.5 % v/v	4"W	A				
4	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
5	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
5	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		95 a	92 abc	90 ab
5	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
5	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
5	COMPADRE	100	SL	0.125 % v/v	1 pt/100 gal	4"W	A				
6	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
6	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		94 a	88 abc	88 ab
6	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
6	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
6	INTERLOCK	100	SL	4 fl oz/a	4 fl oz/a	4"W	A				
7	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
7	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		96 a	96 ab	96 a
7	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
7	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
7	GROUNDLED	100	SL	1 % v/v	1 gal/100 gal	4"W	A				
8	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
8	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		93 a	83 bcd	84 abc
8	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
8	ARRAY	100	SG	1.08 % w/w	9 lb/100 gal	4"W	A				
9	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
9	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		97 a	92 abc	93 ab
9	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
9	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
9	GARDIAN	100	SL	0.5 % v/v	2 qt/100 gal	4"W	A				
10	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
10	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		95 a	87 abc	89 ab
10	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
10	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
10	AFFECT GC	100	SL	0.0313 % v/v	4 fl oz/100 gal	4"W	A				
11	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
11	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		95 a	90 abc	92 ab
11	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
11	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
11	BORDER EG	100	SG	0.075 % w/w	10 oz/100 gal	4"W	A				
12	LAUDIS	3.5	SC	0.082 lb ai/a	3 fl oz/a	4"W	A		0 a	0 a	0 a
12	AATREX	4	SC	0.5 lb ai/a	1 pt/a	4"W	A		94 a	87 abc	87 ab
12	IN-PLACE	100	SL	1.1875 fl oz/a	1.1875 fl oz/a	4"W	A				
12	MSO CONCENTRATE	100	SL	1 % v/v	1 % v/v	4"W	A				
12	AMS	100	SG	1.02 % w/w	8.5 lb/100 gal	4"W	A				
LSD (P=.05)									0.0	0.0	0.0
Replicate F									0.000	0.000	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000
Treatment F									0.000	0.000	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000
Means followed by same letter do not significantly differ (P=.05, LSD)									0.536	1.311	1.258
									0.5928	0.2897	0.3037
									279.282	29.008	20.872
									0.0001	0.0001	0.0001

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Pest Code	PANDI	PANDI	PANDI	AMBTR	AMBTR	AMBTR
Crop Code						
Rating Date	06-26-09	07-10-09	07-24-09	06-26-09	07-10-09	07-24-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	14 DA-A	28 DA-A	42 DA-A	14 DA-A	28 DA-A	42 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 d	0 c	0 d	0 b	0 b	0 b
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	28	bc	18 b	27 b	99 a	99 a
2	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
2	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
2	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	A	93	a	87 a	86 a	99 a	99 a
3	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
3	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
3	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
4	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	A	98	a	93 a	92 a	99 a	99 a
4	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
4	MSO CONCENTRATE	100	SL	0.5	% v/v	0.5	% v/v	4"W	A						
4	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	30	b	13 b	20 bc	99 a	99 a
5	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
5	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
5	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
5	COMPADRE	100	SL	0.125	% v/v	1	pt/100 gal	4"W	A						
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	30	b	12 b	15 bc	99 a	99 a
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
6	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
6	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
6	INTERLOCK	100	SL	4	fl oz/a	4	fl oz/a	4"W	A						
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	27	bc	15 b	20 bc	99 a	99 a
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
7	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
7	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
7	GROUNDLED	100	SL	1	% v/v	1	gal/100 gal	4"W	A						
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	26	bc	10 b	13 c	99 a	99 a
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
8	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
8	ARRAY	100	SG	1.08	% w/w	9	lb/100 gal	4"W	A						
9	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	26	bc	12 b	13 c	99 a	99 a
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
9	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
9	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
9	GARDIAN	100	SL	0.5	% v/v	2	qt/100 gal	4"W	A						
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	23	c	10 b	13 c	99 a	99 a
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
10	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
10	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
10	AFFECT GC	100	SL	0.0313	% v/v	4	fl oz/100 gal	4"W	A						
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	27	bc	10 b	12 cd	99 a	99 a
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
11	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
11	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
11	BORDER EG	100	SG	0.075	% w/w	10	oz/100 gal	4"W	A						
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	23	c	10 b	13 c	99 a	98 a
12	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
12	IN-PLACE	100	SL	1.1875	fl oz/a	1.1875	fl oz/a	4"W	A						
12	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
12	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						

LSD (P=.05)	6.0	9.2	11.9	0.5	0.9	1.5
Replicate F	0.159	0.923	0.528	1.000	0.681	1.438
Replicate Prob(F)	0.8537	0.4123	0.5972	0.3840	0.5163	0.2589
Treatment F	196.913	98.710	52.854	29349.821	8545.160	2926.383
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)

Laudis Deposition Aid Study.

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Pest Code	AMATA	AMATA	AMATA	XANST	XANST	XANST
Crop Code						
Rating Date	06-26-09	07-10-09	07-24-09	06-26-09	07-10-09	07-24-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	14 DA-A	28 DA-A	42 DA-A	14 DA-A	28 DA-A	42 DA-A

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	0 b
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	99 a	98 ab	97 a
2	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
2	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
2	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	A		98 a	95 b	97 b	98 ab	98 a
3	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
3	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
3	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
4	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	98 ab	98 ab	98 a
4	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
4	MSO CONCENTRATE	100	SL	0.5	% v/v	0.5	% v/v	4"W	A						
4	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	99 a	98 ab	96 a
5	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
5	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
5	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
5	COMPADRE	100	SL	0.125	% v/v	1	pt/100 gal	4"W	A						
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	98 ab	99 a	98 a
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
6	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
6	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
6	INTERLOCK	100	SL	4	fl oz/a	4	fl oz/a	4"W	A						
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	99 a	99 a	99 a
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
7	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
7	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
7	GROUNDED	100	SL	1	% v/v	1	gal/100 gal	4"W	A						
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	99 a	98 ab	98 a
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
8	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
8	ARRAY	100	SG	1.08	% w/w	9	lb/100 gal	4"W	A						
9	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	99 a	98 ab	98 a
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
9	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
9	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
9	GARDIAN	100	SL	0.5	% v/v	2	qt/100 gal	4"W	A						
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		99 a	99 a	99 a	97 b	97 a
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
10	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
10	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
10	AFFECT GC	100	SL	0.0313	% v/v	4	fl oz/100 gal	4"W	A						
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		98 a	98 ab	99 a	98 ab	95 a
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
11	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
11	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						
11	BORDER EG	100	SG	0.075	% w/w	10	oz/100 gal	4"W	A						
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A		98 a	98 a	99 a	98 ab	98 a
12	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A						
12	IN-PLACE	100	SL	1.1875	fl oz/a	1.1875	fl oz/a	4"W	A						
12	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A						
12	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A						

LSD (P=.05)

1.4 3.2 1.2 1.8 3.8 4.7

Replicate F

0.155 0.327 0.391 5.200 1.639 3.007

Replicate Prob(F)

0.8574 0.7243 0.6811 0.0141 0.2170 0.0701

Treatment F

3400.602 664.567 4893.727 2163.134 482.163 308.093

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)

Laudis Deposition Aid Study.

Trial ID: 09-19B-N65

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH
Crop Code			
Rating Date	06-26-09	07-10-09	07-24-09
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	14 DA-A	28 DA-A	42 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	NONTREATED									0 c	0 c	0 d
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	99 ab	99 a	99 a
2	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
2	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
2	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	4"W	A	98 ab	98 ab	98 bc
3	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
3	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
3	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
4	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	4"W	A	99 a	98 ab	98 c
4	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
4	MSO CONCENTRATE	100	SL	0.5	% v/v	0.5	% v/v	4"W	A			
4	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	98 ab	98 ab	99 a
5	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
5	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
5	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
5	COMPADRE	100	SL	0.125	% v/v	1	pt/100 gal	4"W	A			
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	99 a	99 a	99 a
6	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
6	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
6	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
6	INTERLOCK	100	SL	4	fl oz/a	4	fl oz/a	4"W	A			
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	99 ab	99 a	99 a
7	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
7	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
7	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
7	GROUNDLED	100	SL	1	% v/v	1	gal/100 gal	4"W	A			
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	98 ab	98 ab	99 a
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
8	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
8	ARRAY	100	SG	1.08	% w/w	9	lb/100 gal	4"W	A			
9	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	98 ab	98 ab	99 a
9	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
9	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
9	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
9	GARDIAN	100	SL	0.5	% v/v	2	qt/100 gal	4"W	A			
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	99 ab	98 ab	99 a
10	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
10	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
10	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
10	AFFECT GC	100	SL	0.0313	% v/v	4	fl oz/100 gal	4"W	A			
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	98 b	96 b	99 a
11	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
11	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
11	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			
11	BORDER EG	100	SG	0.075	% w/w	10	oz/100 gal	4"W	A			
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	4"W	A	99 a	99 a	99 ab
12	AATREX	4	SC	0.5	lb ai/a	1	pt/a	4"W	A			
12	IN-PLACE	100	SL	1.1875	fl oz/a	1.1875	fl oz/a	4"W	A			
12	MSO CONCENTRATE	100	SL	1	% v/v	1	% v/v	4"W	A			
12	AMS	100	SG	1.02	% w/w	8.5	lb/100 gal	4"W	A			

LSD (P=.05)

1.3 2.6 0.6

Replicate F

4.296 1.151 0.579

Replicate Prob(F)

0.0266 0.3348 0.5688

Treatment F

4122.112 1000.289 16962.580

Treatment Prob(F)

0.0001 0.0001 0.0001

Laudis Deposition Aid Study.

Trial ID: 09-19B-N65

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH
Crop Code			
Rating Date	06-26-09	07-10-09	07-24-09
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	14 DA-A	28 DA-A	42 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
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Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Bayer (DLX).
2. Ratings: CI/WC at 14, 28 + 42 DAT.
3. Target should be 4"W or greater grass species.
4. Estimate percent ground cover of each weed species at each application and evaluation timing.
5. On 6-26-09 percent ground cover for SETFA, PANDI, AMBTR, AMATA, XANST, and ABUTH was 50, 20, 2, 2, 2, and 2, respectively.
On 7-10-09 percent ground cover for SETFA, PANDI, AMBTR, AMATA, XANST, and ABUTH was 60, 20, 3, 3, 3, and 3, respectively.
On 7-24-09 percent ground cover for SETFA, PANDI, AMBTR, AMATA, XANST, and ABUTH was 65, 25, 4, 1, 4, and 1, respectively.
6. Not harvested.