

Nozzle by Advant Interaction - Glyphosate plus Laudis.

Trial ID: 11-51E

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: 7-16-11

Objectives: Determine the influence and interaction of nozzle type and adjuvant on the efficacy of glyphosate plus tembotrione in corn.

Crop 1: ZEAMD Dent corn Variety: P1184HR Description: LL/RR2  
 Planting Method: SEEDED Planting Date: 7-16-11  
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN  
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf  
 Pest 2 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf  
 Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common  
 Pest 4 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant

Plot Width, Unit: 10 FT Site Type: FIELD  
 Plot Length, Unit: 40 FT Tillage Type: REDUCED-TILL  
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year  
 1. GLXMA 2010

Field Prep./Maintenance: N 150 LB/A, P205 50 LB/A, K20 150 LB/A

% OM: 1.7 Texture: SILT LOAM  
 pH: 6.6 Soil Name: PIERRON  
 CEC: 10 Fert. Level: P1: 75 LB/A, K: 347 LB/A

## Application Description

Application Date: 8-9-11  
 Time of Day: 10:30  
 Application Method: Spray  
 Application Timing: 6-8"W  
 Application Placement: BROFOL  
 Applied By: JRK  
 Air Temperature, Unit: 85 F  
 % Relative Humidity: 55  
 Wind Velocity, Unit: 0 MPH  
 Dew Presence (Y/N): N  
 Soil Temperature, Unit: 80 F  
 Soil Moisture: NORMAL  
 % Cloud Cover: 0

9-8-11  
 Crop stage at application: V5  
 Height Min, Max (inch): 10 12

## Pest Stage At Each Application

Application Date: 8-9-11  
 Weed Code: ABUTH  
 Stage Majority (leaves): 6  
 Stage Min, Max: 6 10  
 Height Majority: 4 IN  
 Height Min, Max: 2 15  
 Density, Unit: 0.3 FT2  
 Weed Code: IPOHE  
 Stage Majority (leaves): 5  
 Stage Min, Max: 1 12  
 Height Majority: 3 IN  
 Height Min, Max: 1 6  
 Density, Unit: 1 FT2  
 Weed Code: AMATA  
 Stage Majority (leaves): 13  
 Stage Min, Max: 7 40  
 Height Majority: 7 IN  
 Height Min, Max: 3 26  
 Density, Unit: 0.1 FT2  
 Weed Code: AMBTR  
 Stage Majority (leaves): 8  
 Stage Min, Max: 4 20  
 Height Majority: 6 IN  
 Height Min, Max: 3 12  
 Density, Unit: 0.1 FT2

## Application Equipment

Appl. Equipment: CO2 sprayer  
 Nozzle Type: See  
 Nozzle Size: comment  
 Boom Length, Unit: 6.67 FT  
 Spray Volume, Unit: 10 GPA

## Nozzle by Advant Interaction - Glyphosate plus Laudis.

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Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD	ZEAMD	ABUTH	ABUTH	IPOHE	IPOHE	AMATA	AMATA
							8-23-11	9-6-11	8-23-11	9-6-11	8-23-11	9-6-11	8-23-11	9-6-11
							Injury	Injury	Control	Control	Control	Control	Control	Control
							Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
							14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
1	TT 11004 at 40 PSI									0 a	0 a	97 a-d	98 ab	81 ef	72 i	96 ab 98 b
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
1	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
1	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
2	AIXR 11003 at 70 PSI									0 a	0 a	98 abc	99 a	84 de	78 gh	98 a 99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
2	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
3	XR 11004 at 40 PSI									0 a	0 a	98 ab	99 a	84 cde	78 gh	96 ab 98 b
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
3	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
3	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
4	TTI 11004 at 40 PSI									0 a	0 a	99 a	99 a	88 abc	85 a-f	99 a 99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
4	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
4	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
5	TT 11004 at 40 PSI									0 a	0 a	98 ab	99 a	86 a-d	83 b-g	97 ab 99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
5	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
5	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A							
6	AIXR 11003 at 70 PSI									0 a	0 a	98 abc	99 a	86 a-d	87 a-d	98 a 99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
6	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
6	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A							
7	XR 11004 at 40 PSI									0 a	0 a	98 ab	99 a	86 a-d	84 b-g	98 ab 99 a
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
7	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
7	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A							
8	TTI 11004 at 40 PSI									0 a	0 a	98 abc	99 a	89 a	91 a	99 a 99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
8	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A							
8	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A							
9	TT 11004 at 40 PSI									0 a	0 a	96 a-d	98 b	84 de	81 d-g	97 ab 99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
9	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
9	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A							
10	AIXR 11003 at 70 PSI									0 a	0 a	97 a-d	99 a	83 de	80 e-h	96 ab 99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
10	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A							
11	XR 11004 at 40 PSI									0 a	0 a	96 a-d	99 a	83 de	79 e-h	98 ab 99 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
11	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A							
12	TTI 11004 at 40 PSI									0 a	0 a	96 a-d	98 ab	81 ef	82 d-g	98 a 99 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
12	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A							
13	TT 11004 at 40 PSI									0 a	0 a	97 abc	99 a	86 a-d	82 c-g	99 a 99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A							
13	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A							
13	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A							
13	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A							

## Nozzle by Adjuvant Interaction - Glyphosate plus Laudis.

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Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD	ZEAMD	ABUTH	ABUTH	IPOHE	IPOHE	AMATA	AMATA
							8-23-11	9-6-11	8-23-11	9-6-11	8-23-11	9-6-11	8-23-11	9-6-11
							Injury	Injury	Control	Control	Control	Control	Control	Control
							Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
							14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
14	AIXR 11003 at 70 PSI									0 a	0 a	98 ab	99 a	86 a-d	87 a-d	96 ab	99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
14	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A								
14	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
15	XR 11004 at 40 PSI									0 a	0 a	97 a-d	98 ab	85 a-e	86 a-e	97 ab	99 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
15	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
15	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A								
15	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
16	TTI 11004 at 40 PSI									0 a	0 a	98 ab	99 a	89 a	89 ab	98 ab	99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
16	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
16	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A								
16	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
17	TT 11004 at 40 PSI									0 a	0 a	93 d	99 a	83 de	81 d-g	98 ab	99 a
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
17	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
17	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
18	AIXR 11003 at 70 PSI									0 a	0 a	96 a-d	99 a	83 de	79 fgh	98 a	99 a
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
18	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
18	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
19	XR 11004 at 40 PSI									0 a	0 a	97 a-d	98 ab	78 f	74 hi	98 ab	99 a
19	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
19	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
19	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
20	TTI 11004 at 40 PSI									0 a	0 a	95 bcd	99 a	83 de	83 b-g	95 b	98 b
20	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
20	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
20	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
21	TT 11004 at 40 PSI									0 a	0 a	94 cd	99 a	85 a-e	81 d-g	98 a	99 a
21	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
21	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
21	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
21	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
22	AIXR 11003 at 70 PSI									0 a	0 a	96 a-d	98 ab	83 de	84 a-g	98 a	99 a
22	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
22	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
22	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
22	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
23	XR 11004 at 40 PSI									0 a	0 a	97 abc	99 a	84 b-e	82 c-g	97 ab	99 a
23	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
23	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
23	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
23	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
24	TTI 11004 at 40 PSI									0 a	0 a	96 a-d	99 a	88 ab	89 ab	99 a	99 a
24	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
24	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
24	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A								
24	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
25	TT 11004 at 40 PSI									0 a	0 a	97 a-d	99 ab	86 a-d	89 ab	98 a	99 a
25	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
25	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
25	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
25	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A								

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Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD	ZEAMD	ABUTH	ABUTH	IPOHE	IPOHE	AMATA	AMATA
		8-23-11		Injury		14 DA-A	8-23-11	9-6-11	8-23-11	9-6-11	8-23-11	9-6-11	8-23-11	9-6-11
				Percent			Injury	Injury	Control	Control	Control	Control	Control	Control
							Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
							14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A
26	AIXR 11003 at 70 PSI									0 a	0 a	99 ab	99 a	86 a-d	85 a-f	98 ab	99 a
26	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
26	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
26	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
26	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A								
27	XR 11004 at 40 PSI									0 a	0 a	97 a-d	99 a	88 abc	88 abc	97 ab	99 a
27	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
27	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
27	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
27	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A								
28	TTI 11004 at 40 PSI									0 a	0 a	98 ab	99 a	86 a-d	86 a-e	98 ab	99 a
28	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A								
28	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A								
28	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A								
28	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A								
LSD (P=.05)										0.0	0.0	3.9	1.0	4.2	6.4	3.4	0.6
Replicate F										0.000	0.000	0.464	5.792	0.848	2.360	2.730	3.240
Replicate Prob(F)										1.0000	1.0000	0.6310	0.0053	0.4342	0.1044	0.0742	0.0469
Treatment F										0.000	0.000	0.945	0.951	2.877	3.968	0.826	1.000
Treatment Prob(F)										1.0000	1.0000	0.5524	0.5449	0.0005	0.0001	0.7001	0.4852

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

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Pest Code	AMBTR	AMBTR
Crop Code		
Rating Date	8-23-11	9-6-11
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing		
Trt-Eval Interval	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	TT 11004 at 40 PSI									99 a	99 a
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
1	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
1	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
2	AIXR 11003 at 70 PSI									99 a	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
2	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
3	XR 11004 at 40 PSI									99 a	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
3	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
3	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
4	TTI 11004 at 40 PSI									99 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
4	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
4	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
5	TT 11004 at 40 PSI									99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
5	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
5	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
6	AIXR 11003 at 70 PSI									99 a	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
6	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
6	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
7	XR 11004 at 40 PSI									99 a	99 a
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
7	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
7	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
7	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
8	TTI 11004 at 40 PSI									99 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
8	PX 331	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A		
8	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
9	TT 11004 at 40 PSI									98 ab	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
9	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
9	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
10	AIXR 11003 at 70 PSI									99 a	99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
10	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
11	XR 11004 at 40 PSI									99 a	99 a
11	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
11	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
12	TTI 11004 at 40 PSI									99 a	99 a
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
12	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
13	TT 11004 at 40 PSI									99 a	99 a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
13	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
13	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
13	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		

## Nozzle by Adjuvant Interaction - Glyphosate plus Laudis.

Trial ID: 11-51E

Location: Belleville Res. Center

Pest Code	AMBTR	AMBTR
Crop Code		
Rating Date	8-23-11	9-6-11
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing		
Trt-Eval Interval	14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
14	AIXR 11003 at 70 PSI									99 a	99 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
14	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
14	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
15	XR 11004 at 40 PSI									99 a	99 a
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
15	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
15	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
15	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
16	TTI 11004 at 40 PSI									99 a	99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
16	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
16	PX 336	100	SL	1.25	% v/v	1.25	% v/v	6-8"W	A		
16	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
17	TT 11004 at 40 PSI									98 ab	99 a
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
17	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
17	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
18	AIXR 11003 at 70 PSI									99 a	99 a
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
18	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
18	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
19	XR 11004 at 40 PSI									98 ab	99 a
19	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
19	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
19	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
20	TTI 11004 at 40 PSI									99 a	99 a
20	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
20	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
20	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
21	TT 11004 at 40 PSI									99 a	99 a
21	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
21	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
21	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
21	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
22	AIXR 11003 at 70 PSI									98 b	99 a
22	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
22	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
22	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
22	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
23	XR 11004 at 40 PSI									99 a	99 a
23	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
23	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
23	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
23	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
24	TTI 11004 at 40 PSI									99 a	99 a
24	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
24	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
24	PX 711	100	SL	0.375	% v/v	0.375	% v/v	6-8"W	A		
24	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
25	TT 11004 at 40 PSI									98 ab	99 a
25	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		
25	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
25	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
25	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A		

## Nozzle by Advjant Interaction - Glyphosate plus Laudis.

Trial ID: 11-51E

Location: Belleville Res. Center

Pest Code		AMBTR	AMBTR
Crop Code			
Rating Date		8-23-11	9-6-11
Rating Data Type		Control	Control
Rating Unit		Percent	Percent
Rating Timing			
Trt-Eval Interval		14 DA-A	28 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
26	AIXR 11003 at 70 PSI									98	ab
26	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		99
26	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
26	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
26	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A		
27	XR 11004 at 40 PSI									98	b
27	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		99
27	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
27	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
27	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A		
28	TTI 11004 at 40 PSI									99	a
28	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	6-8"W	A		99
28	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	6-8"W	A		
28	PX 403	100	SL	10	fl oz/a	10	fl oz/a	6-8"W	A		
28	AMS	100	SG	1	% w/w	1	% w/w	6-8"W	A		
LSD (P=.05)										1.3	0.0
Replicate F										1.747	0.000
Replicate Prob(F)										0.1840	1.0000
Treatment F										0.824	0.000
Treatment Prob(F)										0.7032	1.0000

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

## Trial Comments

1. Protocol: Precision Labs.
2. Ratings: CI/WC at 14 and 28 DAT.
3. Nozzle size and type and spray pressure are per treatment, see treatment list. All applications made at 12 MPH.
4. Mixing instructions: see attached bulk mixing instructions, requires 2.5 gallon containers.