

Southern Illinois University

Glyphosate Tank-Mixture Adjuvant Trial in Corn - United Suppliers.

Trial ID: 12-50W-N100
 Location: Belleville Res. Center
 Investigator: Bryan Young

General Trial Information	
Study Director: Bryan Young	Investigator: Bryan Young Title: Professor
Trial Status: F - one-year/final	
Initiation Date: 5-22-12	
Trial Location	
City: Belleville	
State/Prov.: IL	
Postal Code: 62221	
Country: USA	

Objectives: Compare experimental adjuvants for weed control activity and crop response.

Personnel	
Study Director: Bryan Young	Title: Professor
Investigator: Bryan Young	
Affiliation: Southern Illinois University	
Address: 1205 Lincoln Drive - AG 176 - MC 4415	
Location: Carbondale IL	
Postal Code: 62901	E-mail: bgyoung@siu.edu
Phone No.: 618-453-7679	Mobile No.: 618-713-6471

Crop Description	
Crop 1: ZEAMD Zea mays indentata Dent corn	Description: RR2/LL
Variety: DKC 61-06	Planting Date: 5-22-12
BCH Scale: BCOR	Rate, Unit: 28000 S/A
Planting Method: SEEDED Seeded	
Depth, Unit: 1.5 IN	
Row Spacing, Unit: 30 IN	

Pest Description	
Pest 1 Type: W Code: SETFA - Setaria faberi Herrm.	Common Name: foxtail, giant
Pest 2 Type: W Code: AMATA - Amaranthus rudis Sauer	Common Name: waterhemp, common
Pest 3 Type: W Code: ABUTH - Abutilon theophrasti Medik.	Common Name: velvetleaf
Pest 4 Type: W Code: AMBTR - Ambrosia trifida L.	Common Name: ragweed, giant

Site and Design	
Plot Width, Unit: 10 FT	Site Type: FIELD field
Plot Length, Unit: 27 FT	
Plot Area, Unit: 270 FT2	Tillage Type: REDTIL reduced-till
Replications: 3	Study Design: RACOB� Randomized Complete Block (RCB)

No.	Previous Crop	Year
1.	GLXMA	2011

Maintenance	
No.	Maintenance Treatment Name
1.	N 150 LB/A, P205 50 LB/A, K20 150 LB/A

Soil Description	
% OM: 1.7	Texture: SIL SILT LOAM
pH: 6.1	Soil Name: PIERRON
CEC: 9	

Additional Measured Elements		
Element	Quantity	Unit
P1	51	LB/A
K	285	LB/A

Moisture and Weather Conditions	
Overall Moisture Conditions:	BELNOR below normal
Closest Weather Station: ICN - Belleville IL	Distance, Unit: 0.5 MI

Glyphosate Tank-Mixture Adjuvant Trial in Corn - United Suppliers.

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		A
Application Date:	6-11-12	
Time of Day:	7:45	
Application Method:	Spray	
Application Timing:	3-4"W	
Application Placement:	BROFOL	
Applied By:	LAH	
Air Temperature, Unit:	78	F
% Relative Humidity:	82	
Wind Velocity, Unit:	4	MPH
Wind Direction:	S	
Dew Presence (Y/N):	N no	
Soil Temperature, Unit:	73	F
Soil Moisture:	BELNOR	
% Cloud Cover:	30	
Next Rain Occurred On:	6-11-12	

		A
Crop 1 Code, BBCH Scale:	ZEAMD BCOR	
Stage Scale Used:	DESC	
Stage Majority, Percent:	V5	
Stage Minimum, Percent:	V5	
Stage Maximum, Percent:	V5	
Height, Unit:	17	IN
Height Minimum, Maximum:	12	17

		A
Pest 1 Code, Type, Scale:	SETFA	W DESC
Stage Majority, Percent:	6	
Stage Minimum, Percent:	3	
Stage Maximum, Percent:	8	
Height, Unit:	4	IN
Height Minimum, Maximum:	4	6
Density, Unit:	1	FT2
Pest 2 Code, Type, Scale:	AMATA	W DESC
Stage Majority, Percent:	6	
Stage Minimum, Percent:	4	
Stage Maximum, Percent:	10	
Height, Unit:	4	IN
Height Minimum, Maximum:	2	6
Density, Unit:	0.1	FT2
Pest 3 Code, Type, Scale:	ABUTH	W DESC
Stage Majority, Percent:	3	
Stage Minimum, Percent:	2	
Stage Maximum, Percent:	5	
Height, Unit:	3	IN
Height Minimum, Maximum:	1	4
Density, Unit:	0.5	FT2
Pest 4 Code, Type, Scale:	AMBTR	W DESC
Stage Majority, Percent:	6	
Stage Minimum, Percent:	4	
Stage Maximum, Percent:	8	
Height, Unit:	4	IN
Height Minimum, Maximum:	2	8
Density, Unit:	1	FT2

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Application Equipment

	A
Appl. Equipment:	CO2 sprayer
Equipment Type:	BACSPR
Operation Pressure, Unit:	30 PSI
Nozzle Type:	TT
Nozzle Size:	110015
Boom Length, Unit:	7.5 FT
Spray Volume, Unit:	10 GPA

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							ZEAMD 6-18-12 Injury Percent 7 DA-A	ZEAMD 6-25-12 Injury Percent 14 DA-A	ZEAMD 7-9-12 Injury Percent 28 DA-A	SETFA 6-18-12 Control Percent 7 DA-A	SETFA 6-25-12 Control Percent 14 DA-A	SETFA 7-9-12 Control Percent 28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	ROUNDUP POWERMAX STATUS AMS CHEMSURF 80	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A 3-4"W A	A A A A	0 a	0 a	0 a	99 a	99 a	97 abc
2	ROUNDUP POWERMAX STATUS AMS USIEX2442012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A 3-4"W A	A A A A	0 a	0 a	0 a	99 a	98 a	96 abc
3	ROUNDUP POWERMAX STATUS AMS USIEX2652012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A 3-4"W A	A A A A	0 a	0 a	0 a	99 a	99 a	97 abc
4	ROUNDUP POWERMAX STATUS AMS USIEX2882012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A 3-4"W A	A A A A	0 a	0 a	0 a	93 ab	96 ab	95 bc
5	ROUNDUP POWERMAX STATUS AMS USIEX2142012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A 3-4"W A	A A A A	0 a	0 a	0 a	99 a	99 a	98 ab
6	ROUNDUP POWERMAX STATUS AMS BETWEEN	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.5 % v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 4 pt/100 gal	3-4"W A 3-4"W A 3-4"W A 3-4"W A	A A A A	0 a	0 a	0 a	89 b	96 ab	95 c
7	ROUNDUP POWERMAX STATUS AMS	4.5 SL 56 WG 100 SG		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	98 a	98 a	98 ab
8	NONTREATED							0 a	0 a	0 a	0 c	0 c	0 d
9	HALEX GT AMS CHEMSURF 80	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	98 a	98 a	96 abc
10	HALEX GT AMS USIEX2442012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	99 a	99 a	98 a
11	HALEX GT AMS USIEX2652012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	98 a	99 a	98 ab
12	HALEX GT AMS USIEX2882012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	99 a	99 a	98 ab
13	HALEX GT AMS USIEX2142012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	99 a	99 a	97 abc
14	HALEX GT AMS BETWEEN	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.5 % v/v	2 pt/a 8.5 lb/100 gal 4 pt/100 gal	3-4"W A 3-4"W A 3-4"W A	A A A	0 a	0 a	0 a	98 a	98 a	96 abc

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.

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Pest Code															
Crop Code															
Rating Date	ZEAMD	ZEAMD	ZEAMD	SETFA	SETFA	SETFA									
Rating Type	6-18-12	6-25-12	7-9-12	6-18-12	6-25-12	7-9-12									
Rating Unit	Injury	Injury	Injury	Control	Control	Control									
Rating Timing	Percent	Percent	Percent	Percent	Percent	Percent									
Trt-Eval Interval	7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
15	HALEX GT AMS	4.38	CS	1.1	lb ai/a	2	pt/a	3-4"W	A	0 a	0 a	0 a	96 ab	94 b	95 c
		100	SG	1.02	% w/w	8.5	lb/100 gal	3-4"W	A						
16	NONTREATED									0 a	0 a	0 a	0 c	0 c	0 d
LSD (P=.05)		0.0		0.0		0.0		7.9		3.6		2.9			
Standard Deviation		0.0		0.0		0.0		4.7		2.1		1.7			
CV		0.0		0.0		0.0		5.55		2.5		2.04			
Replicate F		0.000		0.000		0.000		2.977		3.361		7.063			
Replicate Prob(F)		1.0000		1.0000		1.0000		0.0661		0.0482		0.0031			
Treatment F		0.000		0.000		0.000		149.264		732.144		1100.532			
Treatment Prob(F)		1.0000		1.0000		1.0000		0.0001		0.0001		0.0001			

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							AMATA	AMATA	AMATA	ABUTH	ABUTH	ABUTH
							6-18-12 Control Percent	6-25-12 Control Percent	7-9-12 Control Percent	6-18-12 Control Percent	6-25-12 Control Percent	7-9-12 Control Percent
							7 DA-A	14 DA-A	28 DA-A	7 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	ROUNDUP POWERMAX STATUS AMS CHEMSURF 80	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	oz/a a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	85 bc	87 c	91 ab 83 ab 96 a 92 cde
2	ROUNDUP POWERMAX STATUS AMS USIEX2442012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	oz/a a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	90 ab	92 abc	94 ab 87 a 96 ab 92 b-e
3	ROUNDUP POWERMAX STATUS AMS USIEX2652012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	oz/a a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	90 ab	94 abc	93 ab 87 a 96 a 90 de
4	ROUNDUP POWERMAX STATUS AMS USIEX2882012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	oz/a a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	88 ab	92 abc	92 ab 85 ab 92 b 88 e
5	ROUNDUP POWERMAX STATUS AMS USIEX2142012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	oz/a a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	95 a	97 a	97 a 83 ab 94 ab 95 a-d
6	ROUNDUP POWERMAX STATUS AMS BETWEEN	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.5 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 4 pt/100 gal	oz/a a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	80 c	87 c	92 ab 77 c 94 ab 96 a-d
7	ROUNDUP POWERMAX STATUS AMS	4.5 SL 56 WG 100 SG		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w	ae/a ae/a w/w	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal	oz/a a gal	3-4"W 3-4"W 3-4"W	A A A	90 ab	96 ab	97 a 89 a 98 a 92 b-e
8	NONTREATED									0 d	0 d	0 c 0 d 0 c 0 f
9	HALEX GT AMS CHEMSURF 80	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	87 bc	87 c	88 b 80 bc 98 a 95 a-d
10	HALEX GT AMS USIEX2442012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	85 bc	86 c	90 ab 84 ab 97 a 97 abc
11	HALEX GT AMS USIEX2652012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	88 ab	89 bc	88 b 85 ab 98 a 96 abc
12	HALEX GT AMS USIEX2882012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	85 bc	90 abc	90 ab 84 ab 98 a 98 ab
13	HALEX GT AMS USIEX2142012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	85 bc	87 c	89 b 80 bc 96 a 98 ab
14	HALEX GT AMS BETWEEN	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.5 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 4 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	95 a	94 abc	97 a 87 a 98 a 98 a

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Pest Code											
Crop Code											
Rating Date											
Rating Type											
Rating Unit											
Rating Timing											
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code	
15	HALEX GT AMS	4.38	CS	1.1	lb ai/a	2	pt/a		3-4"W	A	
		100	SG	1.02	% w/w	8.5	lb/100 gal		3-4"W	A	
16	NONTREATED										
LSD (P=.05)											
Standard Deviation											
CV											
Replicate F											
Replicate Prob(F)											
Treatment F											
Treatment Prob(F)											

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Location: Belleville Res. Center

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								AMBTR 6-18-12 Control Percent 7 DA-A	AMBTR 6-25-12 Control Percent 14 DA-A	AMBTR 7-9-12 Control Percent 28 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
1	ROUNDUP POWERMAX STATUS AMS CHEMSURF 80	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	ae/a ae/a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	80 a-e	98 a	98 a
2	ROUNDUP POWERMAX STATUS AMS USIEX2442012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	ae/a ae/a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	79 b-e	96 ab	97 ab
3	ROUNDUP POWERMAX STATUS AMS USIEX2652012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	ae/a ae/a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	83 abc	99 a	97 ab
4	ROUNDUP POWERMAX STATUS AMS USIEX2882012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	ae/a ae/a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	80 a-e	97 a	96 abc
5	ROUNDUP POWERMAX STATUS AMS USIEX2142012	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.25 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 2 pt/100 gal	ae/a ae/a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	82 a-d	98 a	98 ab
6	ROUNDUP POWERMAX STATUS AMS BETWEEN	4.5 SL 56 WG 100 SG 100 SL		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w 0.5 % v/v	ae/a ae/a w/w v/v	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal 4 pt/100 gal	ae/a ae/a gal gal	3-4"W 3-4"W 3-4"W 3-4"W	A A A A	80 a-e	99 a	98 a
7	ROUNDUP POWERMAX STATUS AMS	4.5 SL 56 WG 100 SG		0.457 lb ae/a 0.0875 lb ae/a 1.02 % w/w	ae/a ae/a w/w	13 fl oz/a 2.5 oz/a 8.5 lb/100 gal	ae/a ae/a gal	3-4"W 3-4"W 3-4"W	A A A	85 a	96 ab	97 ab
8	NONTREATED									0 g	0 e	0 d
9	HALEX GT AMS CHEMSURF 80	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	75 ef	90 d	96 bc
10	HALEX GT AMS USIEX2442012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	78 c-f	96 ab	97 ab
11	HALEX GT AMS USIEX2652012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	85 a	99 a	97 ab
12	HALEX GT AMS USIEX2882012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	82 a-d	97 a	96 bc
13	HALEX GT AMS USIEX2142012	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.25 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 2 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	77 def	93 cd	94 c
14	HALEX GT AMS BETWEEN	4.38 CS 100 SG 100 SL		1.1 lb ai/a 1.02 % w/w 0.5 % v/v	ai/a w/w v/v	2 pt/a 8.5 lb/100 gal 4 pt/100 gal	a gal gal	3-4"W 3-4"W 3-4"W	A A A	83 ab	93 bc	96 abc

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Location: Belleville Res. Center

Investigator: Bryan Young

								AMBTR	AMBTR	AMBTR	
								6-18-12	6-25-12	7-9-12	
								Control	Control	Control	
								Percent	Percent	Percent	
								7 DA-A	14 DA-A	28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code		
15	HALEX GT AMS	4.38	CS	1.1	lb ai/a	2	pt/a	3-4"W	A	73	f
		100	SG	1.02	% w/w	8.5	lb/100 gal	3-4"W	A	93	bc
16	NONTREATED									0	g
										0	e
										0	d
LSD (P=.05)								5.6	3.1	2.4	
Standard Deviation								3.3	1.9	1.4	
CV								4.73	2.2	1.71	
Replicate F								0.744	0.456	0.706	
Replicate Prob(F)								0.4854	0.6397	0.5034	
Treatment F								207.467	946.186	1564.782	
Treatment Prob(F)								0.0001	0.0001	0.0001	

Glyphosate Tank-Mixture Adjuvant Trial in Corn - United Suppliers.

Trial ID: 12-50W-N100

Location: Belleville Res. Center

Investigator: Bryan Young

Trial Comments

1. Protocol: United Suppliers.
2. Ratings: CI/WC at 7, 14, and 28 DAT.
3. Rainfall following the 3-4"W application was 0.75 inch on the same day, 4 hours after application, 0.36 inch 6 days later, 0.28 inch 27 days later, and 0.15 inch 48 days later.
4. Missing data for some weeds in some plots was due to low population.
5. Not harvested.