

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trial Status: F one-year/final Initiation Date: 5-31-16 Completion Date: 10-23-16	Trial Location
City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221	

Objectives:
 Demonstrate the crop tolerance and weed control from two-pass programs in RR2Y soybeans.

Contacts	
Study Director: Karla Gage, Ph.D. Organization: Southern Illinois University Carbondale Address: 1205 Lincoln Drive MC 4415 City+State/Prov: Carbondale, IL Postal Code: 62901 Country: USA	Title: Assistant Professor of Weed Science Phone No.: 618-453-7679 E-mail: kgage@siu.edu

Crop Description	
Crop 1: GLXMA Glycine max Soybean Variety: AG3832 BBCH Scale: BSOY Description: RR2Y	Planting Date: 5-31-16 Planting Method: SEEDED
Planting Rate, Unit: 140000 S/A Depth, Unit: 1 IN Row Spacing, Unit: 30 IN	

Pest Description	
Pest 1 Type: W Code: PANDI Panicum dichotomiflorum Michx. Common Name: panicum, fall	
Pest 2 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant	
Pest 3 Type: W Code: ABUTH Abutilon theophrasti Medik. Common Name: velvetleaf	
Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common	

Site and Design							
Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 30 FT Total Plot Length: 30 FT	Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB� Randomized Complete Block (RCB)						
Replications: 4 Untreated Arrangement: INCLUDED single control randomized in each block							
<table border="1" style="width:100%"> <thead> <tr> <th>No.</th> <th>Previous Crop</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>ZEAMD</td> <td>2015</td> </tr> </tbody> </table>		No.	Previous Crop	Year	1.	ZEAMD	2015
No.	Previous Crop	Year					
1.	ZEAMD	2015					

Maintenance					
<table border="1" style="width:100%"> <thead> <tr> <th>No.</th> <th>Maintenance Product Name</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A</td> </tr> </tbody> </table>	No.	Maintenance Product Name	1.	N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A	
No.	Maintenance Product Name				
1.	N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A				

Soil Description										
Description Name: 01_2013 % OM: 2.5 Texture: SIL silt loam pH: 6 Soil Name: Winfield CEC: 6										
Additional Measured Elements										
<table border="1" style="width:100%"> <thead> <tr> <th>Element</th> <th>Quantity</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>P1</td> <td>58</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>286</td> <td>lb/A</td> </tr> </tbody> </table>		Element	Quantity	Unit	P1	58	lb/A	K	286	lb/A
Element	Quantity	Unit								
P1	58	lb/A								
K	286	lb/A								

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

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No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	4-29-16	1.94	IN	RAIN	rain	2	DAY			
2.	5-4-16	0.02	IN	RAIN	rain	1	DAY			
3.	5-6-16					7	DAY	44	87	F
4.	5-7-16	0.07	IN	RAIN	rain	1	DAY			
5.	5-9-16	2.12	IN	RAIN	rain	5	DAY			
6.	5-13-16					7	DAY	41	76	F
7.	5-16-16	1.06	IN	RAIN	rain	2	DAY			
8.	5-20-16					7	DAY	51	83	F
9.	5-20-16	0.06	IN	RAIN	rain	1	DAY			
10.	5-25-16	0.68	IN	RAIN	rain	3	DAY			
11.	5-27-16					7	DAY	62	88	F
12.	5-31-16	0.03	IN	RAIN	rain	2	DAY			
13.	6-3-16					7	DAY	55	89	F
14.	6-3-16	0.01	IN	RAIN	rain	1	DAY			
15.	6-4-16	0.72	IN	RAIN	rain	1	DAY			
16.	6-10-16					7	DAY	65	96	F
17.	6-13-16	0.03	IN	RAIN	rain	1	DAY			
18.	6-17-16					7	DAY	67	97	F
19.	6-21-16	0.01	IN	RAIN	rain	1	DAY			
20.	6-24-16					7	DAY	57	95	F
21.	6-25-16	0.02	IN	RAIN	rain	1	DAY			
22.	6-30-16	0.03	IN	RAIN	rain	1	DAY			
23.	7-1-16					7	DAY	60	91	F
24.	7-1-16	2.26	IN	RAIN	rain	4	DAY			
25.	7-6-16	0.32	IN	RAIN	rain	3	DAY			
26.	7-8-16					7	DAY	67	93	F
27.	7-13-16	0.49	IN	RAIN	rain	2	DAY			
28.	7-15-16					7	DAY	68	93	F
29.	7-17-16	0.02	IN	RAIN	rain	1	DAY			
30.	7-19-16	1.47	IN	RAIN	rain	2	DAY			
31.	7-22-16					7	DAY	72	94	F
32.	7-25-16	0.1	IN	RAIN	rain	1	DAY			
33.	7-29-16					7	DAY	69	91	F
34.	7-31-16	0.52	IN	RAIN	rain	3	DAY			
35.	8-3-16	0.75	IN	RAIN	rain	1	DAY			
36.	8-5-16					7	DAY	66	93	F
37.	8-5-16	0.06	IN	RAIN	rain	1	DAY			
38.	8-12-16					7	DAY	68	91	F
39.	8-12-16	4.85	IN	RAIN	rain	5	DAY			
40.	8-19-16					7	DAY	57	93	F

Comment:

Rainfall was recorded on station and provided by Illinois Climate Network.
Air temperature was recorded at Scott Air Force Base 2.5 miles north and provided by NOAA's National Centers for Environmental Information.
Air temperatures given are summarized as weekly high and low, detailed weather data is available on request.

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Application Description

	A	B	C
Application Date:	6-1-16	6-21-16	6-24-16
Appl. Start Time:	8:10	14:15	6:30
Appl. Stop Time:	9:20	15:10	6:45
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	4-6"W-1	4-6"W-2
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	MCG	KNW	MCG
Air Temperature, Unit:	78 F	88 F	75 F
% Relative Humidity:	71	48	79
Wind Velocity, Unit:	3 MPH	3 MPH	1 MPH
Wind Direction:	NW	SW	WNW
Dew Presence (Y/N):	N	N	Y
Soil Temperature, Unit:	73 F	80 F	80 F
Soil Moisture:	NORMAL	BELNOR	BELNOR
% Cloud Cover:	25	50	20
Next Moisture Occurred On:	6-4-16	6-30-16	6-30-16
Time to Next Moisture, Unit:	3 DAY	9 DAY	6 DAY

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA	GLXMA	GLXMA
Stage Scale Used:	DESC	DESC	DESC
Stage Majority, Percent:	NA	V2	V3
Stage Minimum, Percent:		V1	V2
Stage Maximum, Percent:		V2	V3
Height, Unit:		4 IN	5 IN
Height Minimum, Maximum:		3 4	4 5

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Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
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Pest Stage At Each Application			
	A	B	C
Pest 1 Code, Type, Scale:	PANDI W	PANDI W	PANDI W
Stage Majority, Percent:	NA	2	5
Stage Minimum, Percent:		2	4
Stage Maximum, Percent:		3	6
Height, Unit:		1 IN	3 IN
Height Minimum, Maximum:		1 3	2 4
Density, Unit:		0.1 FT2	0.1 FT2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	6	8
Stage Minimum, Percent:		2	4
Stage Maximum, Percent:		10	10
Height, Unit:		3 IN	4 IN
Height Minimum, Maximum:		1 6	1 9
Density, Unit:		3 FT2	1 FT2
Pest 3 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	3	5
Stage Minimum, Percent:		2	4
Stage Maximum, Percent:		4	7
Height, Unit:		1 IN	2 IN
Height Minimum, Maximum:		0.5 2	1 5
Density, Unit:		0.5 FT2	0.1 FT2
Pest 4 Code, Type, Scale:	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	4	6
Stage Minimum, Percent:		2	4
Stage Maximum, Percent:		6	10
Height, Unit:		1 IN	2 IN
Height Minimum, Maximum:		0.5 3	1 9
Density, Unit:		1 FT2	0.05 FT2

Application Equipment			
	A	B	C
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Equipment Type:	BACSPR	BACSPR	BACSPR
Operation Pressure, Unit:	30 PSI	30 PSI	30 PSI
Nozzle Type:	XR	XR	XR
Nozzle Size:	8002	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 10-23-16 Moisture Percent	GLXMA 10-23-16 Test wt. lb/bu	GLXMA 10-23-16 Yield bu/A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.197 0.75 2.5	lb ai/a lb ae/a % v/v	4.5 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	15.2 a	55.5 a	45 ab
2	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.263 0.75 2.5	lb ai/a lb ae/a % v/v	6 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	15.0 a	55.6 a	46 ab
3	SONIC FIRSTRATE DURANGO DMA AMS - LIQUID	70 84 4 100	WG WG SL SL	0.131 0.0158 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	3 0.3 24 2.5	oz/a oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2 4-6"W-2	A C C C	15.2 a	55.5 a	49 a
4	SURVEIL DURANGO DMA AMS - LIQUID	48 4 100	WG SL SL	0.126 0.75 2.5	lb ai/a lb ae/a % v/v	4.2 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	15.2 a	55.5 a	51 a
5	NONTREATED											3 c
6	BROADAXE XC ROUNDUP POWERMAX AMS - LIQUID	7 4.5 100	SC SL SL	1.37 1.13 2.5	lb ai/a lb ae/a % v/v	25 32 2.5	fl oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	15.1 a	55.5 a	45 ab
7	BROADAXE XC FLEXSTAR GT 3.5 MSO AMS - LIQUID	7 2.82 100 100	SC SL SL SL	1.37 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	25 3.5 1 2.5	fl oz/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	15.1 a	55.5 a	43 ab
8	BOUNDARY FLEXSTAR GT 3.5 MSO AMS - LIQUID	6.5 2.82 100 100	EC SL SL SL	1.63 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	2.0 3.5 1 2.5	pt/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	15.1 a	55.5 a	38 b
9	BROADAXE XC CLASSIC ROUNDUP POWERMAX AMS - LIQUID	7 25 4.5 100	SC WG SL SL	1.37 0.0195 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	25 1.25 32 2.5	fl oz/a oz/a fl oz/a % v/v	PRE PRE 4-6"W-1 4-6"W-1	A A B B	15.2 a	55.5 a	47 a
10	BOUNDARY PREFIX ROUNDUP POWERMAX AMS - LIQUID	6.5 5.29 4.5 100	EC EC SL SL	1.63 1.32 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	2.0 2 32 2.5	pt/a pt/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	15.1 a	55.5 a	45 ab
11	VALOR XLT ROUNDUP POWERMAX AMS - LIQUID	40.3 4.5 100	WG SL SL	0.101 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	15.2 a	55.4 a	49 a
12	AUTHORITY XL ROUNDUP POWERMAX AMS - LIQUID	70 4.5 100	WG SL SL	0.175 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	15.2 a	55.4 a	46 ab
13	ENVIVE ROUNDUP POWERMAX AMS - LIQUID	41.3 4.5 100	WG SL SL	0.09 1.13 2.5	lb ai/a lb ae/a % v/v	3.5 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	15.3 a	55.4 a	45 ab

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=12,16

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Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
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Pest Code							GLXMA	GLXMA	GLXMA		
Crop Code							10-23-16	10-23-16	10-23-16		
Rating Date							Moisture	Test wt.	Yield		
Rating Type							Percent	lb/bu	bu/A		
Rating Unit											
Rating Timing											
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Unit	Growth Stage	Appl Code			
14	SONIC	70	WG	0.175 lb ai/a	4 oz/a		PRE	A	15.1 a	55.5 a	47 a
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		4-6"W-1	B			
	AMS - LIQUID	100	SL	2.5 % v/v	2.5 % v/v		4-6"W-1	B			
15	ROWEL FX	40.3	WG	0.0756 lb ai/a	3.0 oz/a		PRE	A	15.0 a	55.5 a	44 ab
	WARRANT ULTRA	3.49	CS	1.36 lb ai/a	50 fl oz/a		4-6"W-1	B			
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		4-6"W-1	B			
	AMS - LIQUID	100	SL	2.5 % v/v	2.5 % v/v		4-6"W-1	B			
16	FIERCE XLT	62.41	WG	0.176 lb ai/a	4.5 oz/a		PRE	A	15.1 a	55.5 a	52 a
	ROUNDUP POWERMAX	4.5	SL	1.13 lb ae/a	32 fl oz/a		4-6"W-1	B			
	AMS - LIQUID	100	SL	2.5 % v/v	2.5 % v/v		4-6"W-1	B			
LSD P=.05							0.54	0.18	9.6		
Standard Deviation							0.38	0.12	6.7		
CV							2.51	0.22	15.5		
Replicate F							1.505	2.188	5.401		
Replicate Prob(F)							0.2272	0.1036	0.0029		
Treatment F							0.217	0.598	11.312		
Treatment Prob(F)							0.9983	0.8511	0.0001		

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	GLXMA 6-15-16 Injury Percent	GLXMA 6-21-16 Injury Percent -3 DA-C 0 DA-B	GLXMA 6-28-16 Injury Percent 4 DA-C 7 DA-B	GLXMA 7-5-16 Injury Percent 11 DA-C 14 DA-B	GLXMA 7-19-16 Injury Percent 25 DA-C 28 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.197 0.75 2.5	lb ai/a lb ae/a % v/v	4.5 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	0 e	0 c	0 d	0 d	0 a
2	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.263 0.75 2.5	lb ai/a lb ae/a % v/v	6 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	3 de	0 c	0 d	0 d	0 a
3	SONIC FIRSTRATE DURANGO DMA AMS - LIQUID	70 84 4 100	WG WG SL SL	0.131 0.0158 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	3 0.3 24 2.5	oz/a oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2 4-6"W-2	A C C C	0 e	1 c	0 d	0 d	0 a
4	SURVEIL DURANGO DMA AMS - LIQUID	48 4 100	WG SL SL	0.126 0.75 2.5	lb ai/a lb ae/a % v/v	4.2 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	15 a	6 ab	0 d	0 d	4 a
5	NONTREATED									0	0	0	0	0
6	BROADAXE XC ROUNDUP POWERMAX AMS - LIQUID	7 4.5 100	SC SL SL	1.37 1.13 2.5	lb ai/a lb ae/a % v/v	25 32 2.5	fl oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	8 cd	3 bc	0 d	0 d	0 a
7	BROADAXE XC FLEXSTAR GT 3.5 MSO AMS - LIQUID	7 2.82 100 100	SC SL SL SL	1.37 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	25 3.5 1 2.5	fl oz/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	6 cde	1 c	34 b	9 b	0 a
8	BOUNDARY FLEXSTAR GT 3.5 MSO AMS - LIQUID	6.5 2.82 100 100	EC SL SL SL	1.63 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	2.0 3.5 1 2.5	pt/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	4 cde	1 c	35 b	5 c	0 a
9	BROADAXE XC CLASSIC ROUNDUP POWERMAX AMS - LIQUID	7 25 4.5 100	SC WG SL SL	1.37 0.0195 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	25 1.25 32 2.5	fl oz/a oz/a fl oz/a % v/v	PRE PRE 4-6"W-1 4-6"W-1	A A B B	14 ab	9 a	0 d	0 d	3 a
10	BOUNDARY PREFIX ROUNDUP POWERMAX AMS - LIQUID	6.5 5.29 4.5 100	EC EC SL SL	1.63 1.32 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	2.0 2 32 2.5	pt/a pt/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	5 cde	1 c	44 a	19 a	3 a
11	VALOR XLT ROUNDUP POWERMAX AMS - LIQUID	40.3 4.5 100	WG SL SL	0.101 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	6 cd	4 bc	1 d	0 d	1 a
12	AUTHORITY XL ROUNDUP POWERMAX AMS - LIQUID	70 4.5 100	WG SL SL	0.175 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	4 cde	3 bc	0 d	0 d	0 a
13	ENVIVE ROUNDUP POWERMAX AMS - LIQUID	41.3 4.5 100	WG SL SL	0.09 1.13 2.5	lb ai/a lb ae/a % v/v	3.5 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	9 bc	3 bc	0 d	0 d	0 a

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Pest Code						GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code						6-15-16	6-21-16	6-28-16	7-5-16	7-19-16
Rating Date						Injury	Injury	Injury	Injury	Injury
Rating Type						Percent	Percent	Percent	Percent	Percent
Rating Unit						-3 DA-C	4 DA-C	4 DA-C	11 DA-C	25 DA-C
Rating Timing						14 DA-A	0 DA-B	7 DA-B	14 DA-B	28 DA-B
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
14	SONIC	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	0 e
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	0 c
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	0 d
15	ROWEL FX	40.3	WG	0.0756	lb ai/a	3.0	oz/a	PRE	A	6 cd
	WARRANT ULTRA	3.49	CS	1.36	lb ai/a	50	fl oz/a	4-6"W-1	B	4 bc
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	18 c
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	10 b
16	FIERCE XLT	62.41	WG	0.176	lb ai/a	4.5	oz/a	PRE	A	14 ab
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	3 bc
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	1 d
	LSD P=.05									2.0
	Standard Deviation									3.9
	CV									2.8
	Replicate F									68.52
	Replicate Prob(F)									111.84
	Treatment F									22.71
	Treatment Prob(F)									48.46
	Replicate F									300.33
	Replicate Prob(F)									7.043
	Treatment F									9.452
	Treatment Prob(F)									1.434
										1.474
										1.668
										0.0006
										0.0001
										0.2464
										0.2354
										0.1885
										5.492
										2.970
										246.197
										65.589
										1.115
										0.3735

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR			
							6-15-16 Control Percent	6-21-16 Control Percent	7-5-16 Control Percent	7-19-16 Control Percent	8-2-16 Control Percent			
							14 DA-A	0 DA-B	14 DA-B	28 DA-B	42 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.197 0.75 2.5	lb ai/a lb ae/a % v/v	4.5 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	79 bcd	71 cd	88 d	95 abc	96 a-e
2	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.263 0.75 2.5	lb ai/a lb ae/a % v/v	6 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	79 bcd	75 bc	88 d	93 cd	94 c-g
3	SONIC FIRSTRATE DURANGO DMA AMS - LIQUID	70 84 4 100	WG WG SL SL	0.131 0.0158 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	3 0.3 24 2.5	oz/a oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2 4-6"W-2	A C C C	70 d	63 d	87 d	93 bcd	95 a-f
4	SURVEIL DURANGO DMA AMS - LIQUID	48 4 100	WG SL SL	0.126 0.75 2.5	lb ai/a lb ae/a % v/v	4.2 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	95 a	90 a	98 a	98 a	98 ab
5	NONTREATED									0	0	0	0	0
6	BROADAXE XC ROUNDUP POWERMAX AMS - LIQUID	7 4.5 100	SC SL SL	1.37 1.13 2.5	lb ai/a lb ae/a % v/v	25 32 2.5	fl oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	0 f	0 f	90 cd	93 cd	95 b-g
7	BROADAXE XC FLEXSTAR GT 3.5 MSO AMS - LIQUID	7 2.82 100 100	SC SL SL SL	1.37 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	25 3.5 1 2.5	fl oz/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	4 f	4 f	97 ab	97 a	99 a
8	BOUNDARY FLEXSTAR GT 3.5 MSO AMS - LIQUID	6.5 2.82 100 100	EC SL SL SL	1.63 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	2.0 3.5 1 2.5	pt/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	21 e	21 e	97 ab	97 a	97 a-d
9	BROADAXE XC CLASSIC ROUNDUP POWERMAX AMS - LIQUID	7 25 4.5 100	SC WG SL SL	1.37 0.0195 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	25 1.25 32 2.5	fl oz/a oz/a fl oz/a % v/v	PRE PRE 4-6"W-1 4-6"W-1	A A B B	74 d	74 bc	94 bc	91 d	92 efg
10	BOUNDARY PREFIX ROUNDUP POWERMAX AMS - LIQUID	6.5 5.29 4.5 100	EC EC SL SL	1.63 1.32 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	2.0 2 32 2.5	pt/a pt/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	5 f	5 f	96 ab	96 ab	98 abc
11	VALOR XLT ROUNDUP POWERMAX AMS - LIQUID	40.3 4.5 100	WG SL SL	0.101 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	85 abc	84 ab	96 ab	93 cd	92 efg
12	AUTHORITY XL ROUNDUP POWERMAX AMS - LIQUID	70 4.5 100	WG SL SL	0.175 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	75 cd	73 cd	95 ab	91 d	91 g
13	ENVIVE ROUNDUP POWERMAX AMS - LIQUID	41.3 4.5 100	WG SL SL	0.09 1.13 2.5	lb ai/a lb ae/a % v/v	3.5 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	86 ab	84 ab	96 ab	93 cd	91 fg

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
 Investigator: Karla L. Gage, Ph.D.

Pest Code						AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code										
Rating Date						6-15-16	6-21-16	7-5-16	7-19-16	8-2-16
Rating Type						Control	Control	Control	Control	Control
Rating Unit						Percent	Percent	Percent	Percent	Percent
Rating Timing						-3 DA-C	-3 DA-C	11 DA-C	25 DA-C	39 DA-C
Trt-Eval Interval						14 DA-A	0 DA-B	14 DA-B	28 DA-B	42 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Growth Stage	Appl Code	
14	SONIC	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	80 bcd
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	80 abc
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	95 ab
15	ROWEL FX	40.3	WG	0.0756	lb ai/a	3.0	oz/a	PRE	A	80 bcd
	WARRANT ULTRA	3.49	CS	1.36	lb ai/a	50	fl oz/a	4-6"W-1	B	78 bc
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	97 ab
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	96 abc
16	FIERCE XLT	62.41	WG	0.176	lb ai/a	4.5	oz/a	PRE	A	85 abc
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	81 abc
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	94 b
										91 d
										91 g
	LSD P=.05									10.1
	Standard Deviation									7.1
	CV									11.63
	Replicate F									0.702
	Replicate Prob(F)									0.5560
	Treatment F									92.807
	Treatment Prob(F)									0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Pest Code							ABUTH	ABUTH	ABUTH	ABUTH	ABUTH			
Crop Code							6-15-16	6-21-16	7-5-16	7-19-16	8-2-16			
Rating Date							Control	Control	Control	Control	Control			
Rating Type							Percent	Percent	Percent	Percent	Percent			
Rating Unit							-3 DA-C	11 DA-C	25 DA-C	39 DA-C	42 DA-C			
Rating Timing							14 DA-A	0 DA-B	14 DA-B	28 DA-B	42 DA-B			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.197 0.75 2.5	lb ai/a lb ae/a % v/v	4.5 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	85 c-f	79 de	90 c	98 a	99 a
2	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.263 0.75 2.5	lb ai/a lb ae/a % v/v	6 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	96 a	79 de	98 ab	98 a	99 a
3	SONIC FIRSTRATE DURANGO DMA AMS - LIQUID	70 84 4 100	WG WG SL SL	0.131 0.0158 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	3 0.3 24 2.5	oz/a oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2 4-6"W-2	A C C C	83 ef	84 bcd	97 b	98 a	99 a
4	SURVEIL DURANGO DMA AMS - LIQUID	48 4 100	WG SL SL	0.126 0.75 2.5	lb ai/a lb ae/a % v/v	4.2 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	98 a	99 a	99 a	99 a	99 a
5	NONTREATED									0	0	0	0	0
6	BROADAXE XC ROUNDUP POWERMAX AMS - LIQUID	7 4.5 100	SC SL SL	1.37 1.13 2.5	lb ai/a lb ae/a % v/v	25 32 2.5	fl oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	84 def	69 e	99 ab	98 a	99 a
7	BROADAXE XC FLEXSTAR GT 3.5 MSO AMS - LIQUID	7 2.82 100 100	SC SL SL SL	1.37 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	25 3.5 1 2.5	fl oz/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	86 b-f	71 e	99 a	97 a	99 a
8	BOUNDARY FLEXSTAR GT 3.5 MSO AMS - LIQUID	6.5 2.82 100 100	EC SL SL SL	1.63 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	2.0 3.5 1 2.5	pt/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	80 f	69 e	99 a	97 a	98 a
9	BROADAXE XC CLASSIC ROUNDUP POWERMAX AMS - LIQUID	7 25 4.5 100	SC WG SL SL	1.37 0.0195 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	25 1.25 32 2.5	fl oz/a oz/a fl oz/a % v/v	PRE PRE 4-6"W-1 4-6"W-1	A A B B	90 a-e	87 a-d	99 a	99 a	99 a
10	BOUNDARY PREFIX ROUNDUP POWERMAX AMS - LIQUID	6.5 5.29 4.5 100	EC EC SL SL	1.63 1.32 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	2.0 2 32 2.5	pt/a pt/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	86 b-f	71 e	99 a	98 a	99 a
11	VALOR XLT ROUNDUP POWERMAX AMS - LIQUID	40.3 4.5 100	WG SL SL	0.101 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	92 a-d	91 abc	99 a	99 a	99 a
12	AUTHORITY XL ROUNDUP POWERMAX AMS - LIQUID	70 4.5 100	WG SL SL	0.175 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	88 a-f	83 cd	99 a	99 a	99 a
13	ENVIVE ROUNDUP POWERMAX AMS - LIQUID	41.3 4.5 100	WG SL SL	0.09 1.13 2.5	lb ai/a lb ae/a % v/v	3.5 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	95 ab	95 ab	99 a	99 a	99 a

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Pest Code						ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code						6-15-16	6-21-16	7-5-16	7-19-16	8-2-16
Rating Date						Control	Control	Control	Control	Control
Rating Type						Percent	Percent	Percent	Percent	Percent
Rating Unit						-3 DA-C	11 DA-C	25 DA-C	39 DA-C	42 DA-B
Rating Timing						14 DA-A	0 DA-B	14 DA-B	28 DA-B	42 DA-B
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Growth Stage	Appl Code	
14	SONIC	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	93 a-d
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	91 abc
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	99 a
15	ROWEL FX	40.3	WG	0.0756	lb ai/a	3.0	oz/a	PRE	A	94 abc
	WARRANT ULTRA	3.49	CS	1.36	lb ai/a	50	fl oz/a	4-6"W-1	B	93 abc
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	99 a
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	99 a
16	FIERCE XLT	62.41	WG	0.176	lb ai/a	4.5	oz/a	PRE	A	96 ab
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	96 a
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	99 a
LSD	P=.05									9.7
	Standard Deviation									6.8
	CV									7.58
	Replicate F									0.924
	Replicate Prob(F)									0.4384
	Treatment F									2.634
	Treatment Prob(F)									0.0086
										11.5
										8.1
										9.64
										1.6
										1.1
										1.06
										1.000
										0.4023
										16.310
										0.0541
										1.000
										0.4023
										1.905
										1.000
										0.4708

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Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMATA	AMATA	AMATA	AMATA	AMATA			
							6-15-16 Control Percent	6-21-16 Control Percent	7-5-16 Control Percent	7-19-16 Control Percent	8-2-16 Control Percent			
							14 DA-A	0 DA-B	11 DA-C	25 DA-C	39 DA-C			
									14 DA-B	28 DA-B	42 DA-B			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.197 0.75 2.5	lb ai/a lb ae/a % v/v	4.5 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	94 c	91 b	91 c	89 d	89 d
2	SONIC DURANGO DMA AMS - LIQUID	70 4 100	WG SL SL	0.263 0.75 2.5	lb ai/a lb ae/a % v/v	6 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	97 ab	97 a	94 bc	96 ab	94 bc
3	SONIC FIRSTRATE DURANGO DMA AMS - LIQUID	70 84 4 100	WG WG SL SL	0.131 0.0158 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	3 0.3 24 2.5	oz/a oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2 4-6"W-2	A C C C	95 bc	91 b	91 c	92 cd	91 cd
4	SURVEIL DURANGO DMA AMS - LIQUID	48 4 100	WG SL SL	0.126 0.75 2.5	lb ai/a lb ae/a % v/v	4.2 24 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-2 4-6"W-2	A C C	99 a	99 a	99 a	99 a	99 a
5	NONTREATED									0	0	0	0	0
6	BROADAXE XC ROUNDUP POWERMAX AMS - LIQUID	7 4.5 100	SC SL SL	1.37 1.13 2.5	lb ai/a lb ae/a % v/v	25 32 2.5	fl oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	99 a	99 a	99 a	99 a	99 a
7	BROADAXE XC FLEXSTAR GT 3.5 MSO AMS - LIQUID	7 2.82 100 100	SC SL SL SL	1.37 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	25 3.5 1 2.5	fl oz/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	99 a	99 a	99 a	99 a	99 a
8	BOUNDARY FLEXSTAR GT 3.5 MSO AMS - LIQUID	6.5 2.82 100 100	EC SL SL SL	1.63 1.23 1 2.5	lb ai/a lb ae/a % v/v % v/v	2.0 3.5 1 2.5	pt/a pt/a % v/v % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	99 a	99 a	99 a	99 a	99 a
9	BROADAXE XC CLASSIC ROUNDUP POWERMAX AMS - LIQUID	7 25 4.5 100	SC WG SL SL	1.37 0.0195 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	25 1.25 32 2.5	fl oz/a oz/a fl oz/a % v/v	PRE PRE 4-6"W-1 4-6"W-1	A A B B	99 a	99 a	99 a	99 a	99 a
10	BOUNDARY PREFIX ROUNDUP POWERMAX AMS - LIQUID	6.5 5.29 4.5 100	EC EC SL SL	1.63 1.32 1.13 2.5	lb ai/a lb ai/a lb ae/a % v/v	2.0 2 32 2.5	pt/a pt/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1 4-6"W-1	A B B B	99 a	99 a	99 a	99 a	99 a
11	VALOR XLT ROUNDUP POWERMAX AMS - LIQUID	40.3 4.5 100	WG SL SL	0.101 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	98 a	98 a	97 ab	98 ab	97 ab
12	AUTHORITY XL ROUNDUP POWERMAX AMS - LIQUID	70 4.5 100	WG SL SL	0.175 1.13 2.5	lb ai/a lb ae/a % v/v	4 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	98 ab	98 a	97 ab	96 ab	97 ab
13	ENVIVE ROUNDUP POWERMAX AMS - LIQUID	41.3 4.5 100	WG SL SL	0.09 1.13 2.5	lb ai/a lb ae/a % v/v	3.5 32 2.5	oz/a fl oz/a % v/v	PRE 4-6"W-1 4-6"W-1	A B B	98 a	98 a	99 a	99 a	99 a

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Pest Code						AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code										
Rating Date						6-15-16	6-21-16	7-5-16	7-19-16	8-2-16
Rating Type						Control	Control	Control	Control	Control
Rating Unit						Percent	Percent	Percent	Percent	Percent
Rating Timing						-3 DA-C	-3 DA-C	11 DA-C	25 DA-C	39 DA-C
Trt-Eval Interval						14 DA-A	0 DA-B	14 DA-B	28 DA-B	42 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Growth Stage	Appl Code	
14	SONIC	70	WG	0.175	lb ai/a	4	oz/a	PRE	A	97 ab
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	97 a
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	94 bc
15	ROWEL FX	40.3	WG	0.0756	lb ai/a	3.0	oz/a	PRE	A	99 a
	WARRANT ULTRA	3.49	CS	1.36	lb ai/a	50	fl oz/a	4-6"W-1	B	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	99 a
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	99 a
16	FIERCE XLT	62.41	WG	0.176	lb ai/a	4.5	oz/a	PRE	A	99 a
	ROUNDUP POWERMAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	4-6"W-1	B	99 a
	AMS - LIQUID	100	SL	2.5	% v/v	2.5	% v/v	4-6"W-1	B	98 ab
	LSD P=.05									2.6
	Standard Deviation									1.8
	CV									1.84
	Replicate F									0.613
	Replicate Prob(F)									0.6105
	Treatment F									2.742
	Treatment Prob(F)									0.0058
										1.560
										0.2132
										6.156
										0.0001
										1.216
										0.3158
										4.170
										0.0002
										1.701
										0.1813
										5.574
										0.0001
										1.082
										0.3670
										4.536
										0.0001

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=12,16

Soybean Herbicide Showcase from Dow and Syngenta versus Competitors.

Trial ID: 16-1-MW80 Location: Belleville Res. Center Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trial Comments

1. Protocol: Dow (sb showcase) and Syngenta (EHLSoy02-2016).
2. Ratings:
CI 14 and 28 DA-A; prior to B; 7, 14, and 28 DA-B.
WC 14 and 28 DA-A; prior to B; 14, 28, and 42 DA-B.
Rate before spray applications B and C.
3. Yield.
4. Application timings:
Application B (4-6"W-1) based on weeds in Boundary treatments 8+10, spray all B's on the same day.
Application C (4-6"W-2) based on weeds in treatments 1-4, spray all C's on the same day.
If possible spray all B's and C's on the same day.
5. Photos not requested.
6. Rainfall following the PRE application A was 0.73 inch over 2 days beginning 3 days later.
Rainfall following the 4-6"W-1 application B was 2.61 inch over 9 days beginning 9 days later.
Rainfall following the 4-6"W-2 application B was 2.61 inch over 9 days beginning 6 days later.
7. Harvested 10-23-16, (2) 30 inch rows by 27 ft.