

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

<p>Trial Status: F one-year/final Initiation Date: 6-12-15 Completion Date: 8-3-15</p>	Trial Location
<p>City: Belleville Country: USA State/Prov.: Illinois IL Postal Code: 62221</p>	

Objectives:
 Evaluate efficacy of Engenia in sequential programs compared to early postemergence plus residual programs.

<p>Study Director: Ronald F. Krausz Organization: Belleville Research Center - Southern Illinois Univ Carbondale Address: 2036 Charles Lane City+State/Prov: Belleville, IL Postal Code: 62221 Country: USA</p>	<p>Contacts Title: Researcher/Farm Manager Phone No.: 618-566-4761 E-mail: rkrausz@siu.edu</p>
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<p>Crop 1: GLXMA Glycine max Soybean Variety: Dicamba-Tolerant BBCH Scale: BSOY Description: DT</p>	Crop Description
<p>Planting Rate, Unit: 140000 S/A Depth, Unit: 1 IN Row Spacing, Unit: 30 IN</p>	<p>Planting Date: 6-12-15 Planting Method: SEEDED</p>

<p>Pest 1 Type: W Code: PANDI Panicum dichotomiflorum Michx. Common Name: panicum, fall</p> <p>Pest 2 Type: W Code: ECHCG Echinochloa crus-galli (L.) Beauv. Common Name: barnyardgrass</p> <p>Pest 3 Type: W Code: XANST Xanthium strumarium L. Common Name: cocklebur, common</p> <p>Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common</p> <p>Pest 5 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. Common Name: morningglory, ivyleaf</p>	Pest Description
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<p>Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 25 FT Total Plot Length: 25 FT</p> <p>Replications: 4 Untreated Arrangement: INCLUDED single control randomized in each block</p>	<p>Site and Design Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: REDTIL reduced-till Study Design: RACOB� Randomized Complete Block (RCB)</p>						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 75%;">Previous Crop</th> <th style="width: 20%;">Year</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>GLXMA</td> <td>2014</td> </tr> </tbody> </table>		No.	Previous Crop	Year	1.	GLXMA	2014
No.	Previous Crop	Year					
1.	GLXMA	2014					

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No.	Maintenance Product Name				
1.	N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A				

<p>Description Name: 26C_2013 % OM: 2.6 Texture: SIL silt loam pH: 6.4 Soil Name: Winfield CEC: 7</p>	Soil Description									
Additional Measured Elements										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Element</th> <th style="width: 25%;">Quantity</th> <th style="width: 50%;">Unit</th> </tr> </thead> <tbody> <tr> <td>P1</td> <td>70</td> <td>lb/A</td> </tr> <tr> <td>K</td> <td>346</td> <td>lb/A</td> </tr> </tbody> </table>		Element	Quantity	Unit	P1	70	lb/A	K	346	lb/A
Element	Quantity	Unit								
P1	70	lb/A								
K	346	lb/A								

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Overall Moisture Conditions: ABONOR						Moisture and Weather Conditions				
Closest Weather Station: ICN - Belleville IL						Distance, Unit: 0.5 MI				
No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	5-27-15					7	DAY	55	84	F
2.	5-29-15	2.15	IN	RAIN	rain	2	DAY			
3.	6-3-15					7	DAY	53	89	F
4.	6-5-15	0.17	IN	RAIN	rain	1	DAY			
5.	6-8-15	0.66	IN	RAIN	rain	1	DAY			
6.	6-10-15					7	DAY	64	91	F
7.	6-14-15	0.16	IN	RAIN	rain	1	DAY			
8.	6-15-15	0.11	IN	RAIN	rain	1	DAY			
9.	6-16-15	2.25	IN	RAIN	rain	1	DAY			
10.	6-17-15					7	DAY	69	91	F
11.	6-17-15	0.09	IN	RAIN	rain	1	DAY			
12.	6-18-15	0.14	IN	RAIN	rain	1	DAY			
13.	6-19-15	3.29	IN	RAIN	rain	1	DAY			
14.	6-20-15	0.2	IN	RAIN	rain	2	DAY			
15.	6-24-15					7	DAY	62	93	F
16.	6-25-15	1.66	IN	RAIN	rain	2	DAY			
17.	6-28-15	0.6	IN	RAIN	rain	2	DAY			
18.	7-1-15					7	DAY	63	88	F
19.	7-1-15	0.64	IN	RAIN	rain	2	DAY			
20.	7-7-15	1.33	IN	RAIN	rain	2	DAY			
21.	7-8-15					7	DAY	59	97	F
22.	7-10-15	0.26	IN	RAIN	rain	1	DAY			
23.	7-15-15					7	DAY	69	93	F
24.	7-19-15	0.35	IN	RAIN	rain	2	DAY			
25.	7-22-15					7	DAY	65	95	F
26.	7-26-15	1.21	IN	RAIN	rain	3	DAY			
27.	7-29-15					7	DAY	65	93	F
28.	8-5-15	2.25	IN	RAIN	rain	1	DAY			
29.	8-9-15	0.47	IN	RAIN	rain	1	DAY			

Application Description			
	A	B	C
Application Date:	6-12-15	7-1-15	7-13-15
Appl. Start Time:	15:30	10:40	7:00
Appl. Stop Time:	16:00	11:20	7:20
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V2	V4
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	KLA	MEJ	EAE
Air Temperature, Unit:	89 F	78 F	82 F
% Relative Humidity:	59	79	85
Wind Velocity, Unit:	7 MPH	6 MPH	2 MPH
Wind Direction:	S	W	SW
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	75 F	77 F	80 F
Soil Moisture:	NORMAL	ABONOR	ABONOR
% Cloud Cover:	80	50	0
Next Moisture Occurred On:	6-14-15	7-7-15	7-19-15
Time to Next Moisture, Unit:	2 DAY	6 DAY	7 DAY

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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	V5
Stage Minimum, Percent:		V1	V4
Stage Maximum, Percent:		V2	V5
Height, Unit:		7 IN	13 IN
Height Minimum, Maximum:		4.5 7	11 13

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	PANDI W	PANDI W	PANDI W
Stage Majority, Percent:	NA	6	3
Stage Minimum, Percent:		3	2
Stage Maximum, Percent:		10	4
Height, Unit:		3 IN	2 IN
Height Minimum, Maximum:		1 8	1 3
Density, Unit:			0.01 FT2
Pest 2 Code, Type, Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:	NA	NA	NA
Pest 3 Code, Type, Scale:	XANST W	XANST W	XANST W
Stage Majority, Percent:	NA	4	2
Stage Minimum, Percent:		2	2
Stage Maximum, Percent:		6	4
Height, Unit:		3 IN	1 IN
Height Minimum, Maximum:		1 5	0.5 2
Density, Unit:		0.1 FT2	0.01 FT2
Pest 4 Code, Type, Scale:	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	4	4
Stage Minimum, Percent:		2	2
Stage Maximum, Percent:		6	6
Height, Unit:		1 IN	2 IN
Height Minimum, Maximum:		0.5 2	1 3
Density, Unit:		0.01 FT2	0.01 FT2
Pest 5 Code, Type, Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	4	1
Stage Minimum, Percent:		2	COTY
Stage Maximum, Percent:		6	2
Height, Unit:		2 IN	1 IN
Height Minimum, Maximum:		0.5 3	0.5 1
Density, Unit:		0.1 FT2	0.001 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:	See	See	See
Nozzle Size:	comment	comment	comment
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 7-1-15 Injury Percent 19 DA-A 0 DA-B	GLXMA 7-13-15 Injury Percent 12 DA-B 0 DA-C	GLXMA 7-27-15 Injury Percent 14 DA-C	GLXMA 8-3-15 Injury Percent 21 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	0	0	0
2	TTI NOZZLES							V2	B		0 c	0 a	0 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	ENGENIA	5	SL	0.5 lb ae/a		12.8 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
3	XR NOZZLES							PRE	A	0 a	0 c	0 a	0 a
	OPTILL PRO (CO-PACK)							PRE	A				
	OPTILL	68	WG	0.085 lb ai/a		2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a		10 fl oz/a		PRE	A				
	TTI NOZZLES							V2	B				
	ENGENIA	5	SL	0.5 lb ae/a		12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
4	XR NOZZLES							PRE	A	0 a	10 b	0 a	0 a
	OPTILL PRO (CO-PACK)							PRE	A				
	OPTILL	68	WG	0.085 lb ai/a		2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a		10 fl oz/a		PRE	A				
	TTI NOZZLES							V2	B				
	ENGENIA	5	SL	0.5 lb ae/a		12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	OUTLOOK	6	EC	0.75 lb ai/a		16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
5	XR NOZZLES							PRE	A	0 a	15 a	0 a	0 a
	OPTILL PRO (CO-PACK)							PRE	A				
	OPTILL	68	WG	0.085 lb ai/a		2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a		10 fl oz/a		PRE	A				
	XR NOZZLES							V2	B				
	PREFIX	5.29	EC	1.65 lb ai/a		2.5 pt/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	COC (PRIME OIL)	100	SL	1 % v/v		1 % v/v		V2	B				
6	TTI NOZZLES							V2	B		0 c	0 a	0 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a		32 fl oz/a		V2	B				
	WARRANT	3	CS	0.94 lb ai/a		40 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
7	TTI NOZZLES							PRE	A	0 a	0 c	0 a	0 a
	CLARITY	4	SL	1 lb ae/a		32 fl oz/a		PRE	A				
	TTI NOZZLES							V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	CLARITY	4	SL	0.5 lb ae/a		16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
8	TTI NOZZLES							V2	B		0 c	0 a	0 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a		32 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
	TTI NOZZLES							V4	C				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V4	C				
	CLARITY	4	SL	0.5 lb ae/a		16 fl oz/a		V4	C				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V4	C				

Means followed by same letter do not significantly differ (P=0.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=5,11,17,23,6,12,18,24,7,13,19,25,8,14,20,26,9,15,21,27,10,16,22,28
 Could not calculate LSD (% mean diff) for columns 5,11,17,23,6,12,18,24,7,13,20,26,21,27,16,22,28 because error mean square = 0.

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Pest Code								GLXMA	GLXMA	GLXMA	GLXMA		
Crop Code								7-1-15	7-13-15	7-27-15	8-3-15		
Rating Date								Injury	Injury	Injury	Injury		
Rating Type								Percent	Percent	Percent	Percent		
Rating Unit								19 DA-A	12 DA-B	14 DA-C	21 DA-C		
Rating Timing								0 DA-B	0 DA-C				
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
9	XR NOZZLES							PRE	A	0 a	0 c	0 a	0 a
	AUTHORITY XL	70	WG	0.175	lb ai/a		4 oz/a	PRE	A				
	XR NOZZLES							V4	C				
	FLEXSTAR GT 3.5	2.82	SL	1.06	lb ae/a		48 fl oz/a	V4	C				
	PREFERENCE	100	SL	0.25	% v/v		0.25 % v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v		5 % v/v	V4	C				
10	XR NOZZLES							V2	B		0 c	0 a	0 a
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a		28.4 fl oz/a	V2	B				
	N-PAK AMS	100	SL	5	% v/v		5 % v/v	V2	B				
	XR NOZZLES							V4	C				
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a		28.4 fl oz/a	V4	C				
	N-PAK AMS	100	SL	5	% v/v		5 % v/v	V4	C				
LSD P=.05								.	.	.	.
Standard Deviation								0.0	0.0	0.0	0.0		
CV								0.0	0.0	0.0	0.0		
Replicate F								0.000	0.000	0.000	0.000		
Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000		
Treatment F								0.000	0.000	0.000	0.000		
Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000		

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Pest Code							PANDI	PANDI	PANDI	PANDI
Crop Code							7-1-15	7-13-15	7-27-15	8-3-15
Rating Date							Control	Control	Control	Control
Rating Type							Percent	Percent	Percent	Percent
Rating Unit							19 DA-A	12 DA-B	14 DA-C	21 DA-C
Rating Timing							0 DA-B	0 DA-C		
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	NONTREATED								0	0
2	TTI NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
3	XR NOZZLES						PRE	A	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A		
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A		
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A		
	TTI NOZZLES						V2	B		
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
4	XR NOZZLES						PRE	A	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A		
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A		
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A		
	TTI NOZZLES						V2	B		
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	OUTLOOK	6	EC	0.75 lb ai/a	16 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
5	XR NOZZLES						PRE	A	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A		
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A		
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A		
	XR NOZZLES						V2	B		
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		V2	B		
6	TTI NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B		
	WARRANT	3	CS	0.94 lb ai/a	40 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
7	TTI NOZZLES						PRE	A	0 b	99 a
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		PRE	A		
	TTI NOZZLES						V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
8	TTI NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
	TTI NOZZLES						V4	C		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V4	C		
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V4	C		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V4	C		

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Pest Code								PANDI	PANDI	PANDI	PANDI		
Crop Code								7-1-15	7-13-15	7-27-15	8-3-15		
Rating Date								Control	Control	Control	Control		
Rating Type								Percent	Percent	Percent	Percent		
Rating Unit								19 DA-A	12 DA-B	14 DA-C	21 DA-C		
Rating Timing								0 DA-B	0 DA-C				
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
9	XR NOZZLES							PRE	A	99 a	99 a	99 a	99 a
	AUTHORITY XL	70	WG	0.175	lb ai/a		4 oz/a	PRE	A				
	XR NOZZLES							V4	C				
	FLEXSTAR GT 3.5	2.82	SL	1.06	lb ae/a		48 fl oz/a	V4	C				
	PREFERENCE	100	SL	0.25	% v/v		0.25 % v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v		5 % v/v	V4	C				
10	XR NOZZLES							V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a		28.4 fl oz/a	V2	B				
	N-PAK AMS	100	SL	5	% v/v		5 % v/v	V2	B				
	XR NOZZLES							V4	C				
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a		28.4 fl oz/a	V4	C				
	N-PAK AMS	100	SL	5	% v/v		5 % v/v	V4	C				
LSD P=.05								.	.	.	.	.	.
Standard Deviation								0.0	0.0	0.0	0.0		
CV								0.0	0.0	0.0	0.0		
Replicate F								0.000	0.000	0.000	0.000		
Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000		
Treatment F								0.000	0.000	0.000	0.000		
Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000		

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Pest Code							ECHCG	ECHCG	ECHCG	ECHCG
Crop Code							7-1-15	7-13-15	7-27-15	8-3-15
Rating Date							Control	Control	Control	Control
Rating Type							Percent	Percent	Percent	Percent
Rating Unit							19 DA-A	12 DA-B	14 DA-C	21 DA-C
Rating Timing							0 DA-B	0 DA-C	0 DA-C	0 DA-C
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code		
1	NONTREATED								0	0
2	TTI NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
3	XR NOZZLES						PRE	A	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A		
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A		
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A		
	TTI NOZZLES						V2	B		
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
4	XR NOZZLES						PRE	A	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A		
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A		
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A		
	TTI NOZZLES						V2	B		
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	OUTLOOK	6	EC	0.75 lb ai/a	16 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
5	XR NOZZLES						PRE	A	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A		
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A		
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A		
	XR NOZZLES						V2	B		
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		V2	B		
6	TTI NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B		
	WARRANT	3	CS	0.94 lb ai/a	40 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
7	TTI NOZZLES						PRE	A	0 b	99 a
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		PRE	A		
	TTI NOZZLES						V2	B		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
8	TTI NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B		
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B		
	TTI NOZZLES						V4	C		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V4	C		
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V4	C		
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V4	C		

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code										ECHCG	ECHCG	ECHCG	ECHCG	
Crop Code										7-1-15	7-13-15	7-27-15	8-3-15	
Rating Date										Control	Control	Control	Control	
Rating Type										Percent	Percent	Percent	Percent	
Rating Unit										19 DA-A	12 DA-B	14 DA-C	21 DA-C	
Rating Timing										0 DA-B	0 DA-C			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code				
9	XR NOZZLES								PRE	A	99 a	99 a	99 a	99 a
	AUTHORITY XL	70	WG	0.175	lb ai/a		4	oz/a	PRE	A				
	XR NOZZLES								V4	C				
	FLEXSTAR GT 3.5	2.82	SL	1.06	lb ae/a		48	fl oz/a	V4	C				
	PREFERENCE	100	SL	0.25	% v/v	0.25	%	v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	%	v/v	V4	C				
10	XR NOZZLES								V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl	oz/a	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	%	v/v	V2	B				
	XR NOZZLES								V4	C				
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl	oz/a	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	%	v/v	V4	C				
LSD P=.05											.	.	2.3	2.3
Standard Deviation											0.0	0.0	1.6	1.6
CV											0.0	0.0	1.59	1.59
Replicate F											0.000	0.000	0.917	0.917
Replicate Prob(F)											1.0000	1.0000	0.4491	0.4491
Treatment F											0.000	0.000	0.917	0.917
Treatment Prob(F)											1.0000	1.0000	0.5213	0.5213

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	XANST	XANST	XANST	XANST			
							7-1-15 Control Percent 19 DA-A 0 DA-B	7-13-15 Control Percent 12 DA-B 0 DA-C	7-27-15 Control Percent 14 DA-C	8-3-15 Control Percent 21 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	0	0	0
2	TTI NOZZLES										99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	ENGENIA	5	SL	0.5 lb ae/a		12.8 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
3	XR NOZZLES									93 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)							PRE	A				
	OPTILL	68	WG	0.085 lb ai/a		2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a		10 fl oz/a		PRE	A				
	TTI NOZZLES							V2	B				
	ENGENIA	5	SL	0.5 lb ae/a		12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
4	XR NOZZLES									90 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)							PRE	A				
	OPTILL	68	WG	0.085 lb ai/a		2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a		10 fl oz/a		PRE	A				
	TTI NOZZLES							V2	B				
	ENGENIA	5	SL	0.5 lb ae/a		12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	OUTLOOK	6	EC	0.75 lb ai/a		16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
5	XR NOZZLES									94 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)							PRE	A				
	OPTILL	68	WG	0.085 lb ai/a		2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a		10 fl oz/a		PRE	A				
	XR NOZZLES							V2	B				
	PREFIX	5.29	EC	1.65 lb ai/a		2.5 pt/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	COC (PRIME OIL)	100	SL	1 % v/v		1 % v/v		V2	B				
6	TTI NOZZLES										99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a		32 fl oz/a		V2	B				
	WARRANT	3	CS	0.94 lb ai/a		40 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
7	TTI NOZZLES									95 a	99 a	99 a	99 a
	CLARITY	4	SL	1 lb ae/a		32 fl oz/a		PRE	A				
	TTI NOZZLES							V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	CLARITY	4	SL	0.5 lb ae/a		16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
8	TTI NOZZLES										99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a		32 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V2	B				
	TTI NOZZLES							V4	C				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a		V4	C				
	CLARITY	4	SL	0.5 lb ae/a		16 fl oz/a		V4	C				
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v		V4	C				

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code						XANST	XANST	XANST	XANST
Crop Code						7-1-15	7-13-15	7-27-15	8-3-15
Rating Date						Control	Control	Control	Control
Rating Type						Percent	Percent	Percent	Percent
Rating Unit						19 DA-A	12 DA-B	14 DA-C	21 DA-C
Rating Timing						0 DA-B	0 DA-C		
Trt-Eval Interval									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Growth Stage	Appl Code
9	XR NOZZLES							PRE	A
	AUTHORITY XL	70	WG	0.175	lb ai/a		4	oz/a	A
	XR NOZZLES							V4	C
	FLEXSTAR GT 3.5	2.82	SL	1.06	lb ae/a		48	fl oz/a	C
	PREFERENCE	100	SL	0.25	% v/v	0.25	%	v/v	C
	N-PAK AMS	100	SL	5	% v/v	5	%	v/v	C
10	XR NOZZLES							V2	B
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl	oz/a	B
	N-PAK AMS	100	SL	5	% v/v	5	%	v/v	B
	XR NOZZLES							V4	C
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl	oz/a	C
	N-PAK AMS	100	SL	5	% v/v	5	%	v/v	C
LSD P=.05						4.8	2.9	.	.
Standard Deviation						3.1	2.0	0.0	0.0
CV						3.26	2.0	0.0	0.0
Replicate F						0.832	2.086	0.000	0.000
Replicate Prob(F)						0.5063	0.1312	1.0000	1.0000
Treatment F						3.254	1.978	0.000	0.000
Treatment Prob(F)						0.0593	0.0982	1.0000	1.0000

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code							AMATA	AMATA	AMATA	AMATA		
Crop Code							7-1-15	7-13-15	7-27-15	8-3-15		
Rating Date							Control	Control	Control	Control		
Rating Type							Percent	Percent	Percent	Percent		
Rating Unit							19 DA-A	12 DA-B	14 DA-C	21 DA-C		
Rating Timing							0 DA-B	0 DA-C				
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED								0	0	0	0
2	TTI NOZZLES						V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
3	XR NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A				
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A				
	TTI NOZZLES						V2	B				
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
4	XR NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A				
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A				
	TTI NOZZLES						V2	B				
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	OUTLOOK	6	EC	0.75 lb ai/a	16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
5	XR NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A				
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A				
	XR NOZZLES						V2	B				
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		V2	B				
6	TTI NOZZLES						V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B				
	WARRANT	3	CS	0.94 lb ai/a	40 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
7	TTI NOZZLES						PRE	A	77 b	99 a	99 a	99 a
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		PRE	A				
	TTI NOZZLES						V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
8	TTI NOZZLES						V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
	TTI NOZZLES						V4	C				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V4	C				
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V4	C				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V4	C				

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code							AMATA	AMATA	AMATA	AMATA
Crop Code							7-1-15	7-13-15	7-27-15	8-3-15
Rating Date							Control	Control	Control	Control
Rating Type							Percent	Percent	Percent	Percent
Rating Unit							19 DA-A	12 DA-B	14 DA-C	21 DA-C
Rating Timing							0 DA-B	0 DA-C		
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code		
9	XR NOZZLES						PRE	A	99 a	96 a
	AUTHORITY XL	70	WG	0.175 lb ai/a		4 oz/a	PRE	A		
	XR NOZZLES						V4	C		
	FLEXSTAR GT 3.5	2.82	SL	1.06 lb ae/a		48 fl oz/a	V4	C		
	PREFERENCE	100	SL	0.25 % v/v		0.25 % v/v	V4	C		
	N-PAK AMS	100	SL	5 % v/v		5 % v/v	V4	C		
10	XR NOZZLES						V2	B		99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a	V2	B		
	N-PAK AMS	100	SL	5 % v/v		5 % v/v	V2	B		
	XR NOZZLES						V4	C		
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a		28.4 fl oz/a	V4	C		
	N-PAK AMS	100	SL	5 % v/v		5 % v/v	V4	C		
LSD P=.05							14.6	2.2	.	.
Standard Deviation							9.2	1.5	0.0	0.0
CV							9.77	1.5	0.0	0.0
Replicate F							0.833	0.917	0.000	0.000
Replicate Prob(F)							0.5056	0.4491	1.0000	1.0000
Treatment F							4.676	1.833	0.000	0.000
Treatment Prob(F)							0.0219	0.1243	1.0000	1.0000

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code							IPOHE	IPOHE	IPOHE	IPOHE		
Crop Code							7-1-15	7-13-15	7-27-15	8-3-15		
Rating Date							Control	Control	Control	Control		
Rating Type							Percent	Percent	Percent	Percent		
Rating Unit							19 DA-A	12 DA-B	14 DA-C	21 DA-C		
Rating Timing							0 DA-B	0 DA-C	0 DA-C	0 DA-C		
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED								0	0	0	0
2	TTI NOZZLES						V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
3	XR NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A				
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A				
	TTI NOZZLES						V2	B				
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
4	XR NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A				
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A				
	TTI NOZZLES						V2	B				
	ENGENIA	5	SL	0.5 lb ae/a	12.8 fl oz/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	OUTLOOK	6	EC	0.75 lb ai/a	16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
5	XR NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	OPTILL PRO (CO-PACK)						PRE	A				
	OPTILL	68	WG	0.085 lb ai/a	2 oz/a		PRE	A				
	OUTLOOK	6	EC	0.47 lb ai/a	10 fl oz/a		PRE	A				
	XR NOZZLES						V2	B				
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		V2	B				
6	TTI NOZZLES						V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B				
	WARRANT	3	CS	0.94 lb ai/a	40 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
7	TTI NOZZLES						PRE	A	99 a	99 a	99 a	99 a
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		PRE	A				
	TTI NOZZLES						V2	B				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
8	TTI NOZZLES						V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V2	B				
	CLARITY	4	SL	1 lb ae/a	32 fl oz/a		V2	B				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V2	B				
	TTI NOZZLES						V4	C				
	ROUNDUP POWERMAX	4.5	SL	1 lb ae/a	28.4 fl oz/a		V4	C				
	CLARITY	4	SL	0.5 lb ae/a	16 fl oz/a		V4	C				
	PREFERENCE	100	SL	0.25 % v/v	0.25 % v/v		V4	C				

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
 Investigator: Ronald F. Krausz

Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	IPOHE	IPOHE	IPOHE	IPOHE			
							7-1-15 Control Percent 19 DA-A 0 DA-B	7-13-15 Control Percent 12 DA-B 0 DA-C	7-27-15 Control Percent 14 DA-C	8-3-15 Control Percent 21 DA-C			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
9	XR NOZZLES							PRE	A	99 a	99 a	99 a	99 a
	AUTHORITY XL	70	WG	0.175	lb ai/a	4	oz/a	PRE	A				
	XR NOZZLES							V4	C				
	FLEXSTAR GT 3.5	2.82	SL	1.06	lb ae/a	48	fl oz/a	V4	C				
	PREFERENCE	100	SL	0.25	% v/v	0.25	% v/v	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
10	XR NOZZLES							V2	B		99 a	99 a	99 a
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	V2	B				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V2	B				
	XR NOZZLES							V4	C				
	ROUNDUP POWERMAX	4.5	SL	1	lb ae/a	28.4	fl oz/a	V4	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	V4	C				
LSD P=.05										0.4	.	.	.
Standard Deviation										0.2	0.0	0.0	0.0
CV										0.25	0.0	0.0	0.0
Replicate F										0.833	0.000	0.000	0.000
Replicate Prob(F)										0.5056	1.0000	1.0000	1.0000
Treatment F										0.833	0.000	0.000	0.000
Treatment Prob(F)										0.5339	1.0000	1.0000	1.0000

Engenia Herbicide System in Soybean - Conventional-Till.

Trial ID: 15-26C-E-S100 Location: Belleville Res. Center Trial Year: 2015
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: BASF (MKD-M-2015-US-D03-A-01).
2. Ratings:
CI at 0 DA-B; CI at 0, 14, and 28 DA-C.
WC at 0 DA-B; WC at 0, 14, and 28 DA-C.
Rate before spray applications B and C.
3. No Yield (crop destruct).
4. Nozzles are per treatment, see treatment list.
5. Photos.
6. Rainfall following the PRE application was 2.52 inch over 3 days beginning 2 days later.
Rainfall following the V2 application was 1.35 inch over 2 days beginning 6 days later.
Rainfall following the V4 application was 0.35 inch over 2 days beginning 7 days later.
7. Missing data in plots 401 and 402 was due to flooding.
8. Not possible to rate plots at 28 DA-C due to crop destruct at 21 DA-C.
9. Not harvested, crop destruct.